

September 1, 2022

EGLE  
AQD  
Lansing District,  
Constitution Hall,  
525 West Allegan, Lansing District Office, First Floor South,  
Lansing, Michigan 48909

RE: August 11, 2022 Violation Notice

Michelle Luplow:

Sorry for the brevity of this letter.

EUADHESIVEDISPING	Monitoring/Recordkeeping SC VI.1, VI.2 & VI.3	For January 2021 – April 2022 (monthly and 12- month rolling): Identity and quantity (lbs) of each material used; VOC (including styrene) content of each material used; SDS or manufacturer’s formulation data for all materials used; and VOC (including styrene) mass emission rates  Required information is attached in the provided Excel Workbooks
EUFOAM	Monitoring/Recordkeeping SC VI.1, VI.2 & VI.3	For January 2020 – April 2022 (monthly and 12- month rolling): Monthly and 12-month rolling records of the amount of mixed polyol/isocyanate resin two-part foam used.  Required information is attached in the provided Excel Workbooks
EUCLEANUP	Monitoring/Recordkeeping SC VI.1, VI.2 & VI.3	For January 2021 – April 2022 (monthly and 12-

		<p>month rolling): Identity and quantity (lbs) of each material used; wt% of styrene content in each resin used; VOC (including styrene) content of each material used; VOC (including styrene) mass emission rates; and SDS for all materials used</p> <p>Required information is attached in the provided Excel Workbooks. Workbook also summarizes the pertinent SDS information needed for evaluation.</p>
FGGELCOAT	Monitoring/Recordkeeping SC VI.1, VI.2 & VI.3	<p>For January 2021 – April 2022 (monthly and 12-month rolling): Identity and quantity (lbs) of each material used; wt% of styrene content in each gelcoat used, wt% methylmethacrylate (MMA) content of each gel coat used; VOC (including styrene &amp; MMA) content of each material used; VOC (including styrene) mass emission rates; and SDS for top 5 most-used materials used between January 2021 – April 2022</p> <p>Required information is attached in the provided Excel Workbooks. Workbook also summarizes the pertinent Styrene &amp; MMA information needed for evaluation.</p>
FGRTM/PRESS	Monitoring/Recordkeeping SC VI.1, VI.2 & VI.3	For January 2021 – April 2022: Identity and quantity

		<p>(lbs) of each material used; wt% styrene content of each resin used; VOC (including styrene) content of each material used; VOC (including styrene) mass emission rates in lb/month and 12-month rolling period, and SDS for the top 5 most-used materials from January 2021 – April 2022</p> <p>Required information is attached in the provided Excel Workbooks. Workbook also summarizes the pertinent Styrene &amp; MMA information needed for evaluation.</p>
FGMACTVVVV	Monitoring/Recordkeeping SC VI.2, VI.3, & VI.5	<p>For January 2021 – April 2022: HAP monthly (weighted-average model point value) and 12-month rolling emissions; the limits for production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat; HAP content for all resin and gel coat used for January 2021 – April 2022</p> <p>Required information is attached in the provided Excel Workbooks. Workbook also summarizes the pertinent MACT Compliance information needed for evaluation.</p>
FGMACTWWWW	Testing/Sampling SC V.1; Monitoring/Recordkeeping SC VI.2, VI.4, & VI.5	<p>HAP content of resins received and as applied; Emissions calculation records to demonstrate compliance with the emissions limits specified in Table 3 of the MACT</p>

Michelle Luplow  
EGLE AQD  
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		<p>Subpart WWWW</p> <p>Required information is attached in the provided Excel Workbooks. Workbook also summarizes the pertinent MACT Compliance information needed for evaluation.</p>
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Thank you for your patience and understanding.

Sincerely

National Composites, LLC

John E. Mason, Jr  
EHS Director  
1732 Crooks Rd.  
Troy, MI 48084

Cc: Jenine Camilleri, Enforcement Unit Supervisor at EGLE, AQD,  
P.O. Box 30260, Lansing, Michigan 48909-7760

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
	<b>Permit Enforceability</b> All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted.				
	Those conditions that are hereby incorporated in a state only enforceable Source-wide PTI pursuant to Rule 201(2)(d) are designated by footnote one.				
	Those conditions that are hereby incorporated in federally enforceable Source- wide PTI No. MI PTI B5830-2009 pursuant to Rule 201(2)(c) is designated by footnote two.				
1	<b>General Provisions</b> The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA.				
2	It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP.				
3	This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rules 215 and 216.				
4	The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.				
	b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.				
	c. Inspect, at reasonable times, any of the following: i. Any stationary source. ii. Any emission unit. iii. Any equipment, including monitoring and air pollution control equipment. iv. Any work practices or operations regulated or required under the ROP.				
	d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.				
5	The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality.				

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<b>A. GENERAL CONDITIONS</b>					
6	A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP.				
7	The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451.				
8	This ROP does not convey any property rights or any exclusive privilege.				
9	<b>Equipment &amp; Design</b> Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2).				
10	Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law.				
11	<b>Emission Limits</b> Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in Subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following:" a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity. b. A limit specified by an applicable federal new source performance standard. The grading of visible emissions shall be determined in accordance with Rule 303.				
12	The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following: a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property. b. Unreasonable interference with the comfortable enjoyment of life and property. (R 336.1901(b))				
13	<b>Testing/Sampling</b> The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).				
14	Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003.				
15	Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test.				

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<b>A. GENERAL CONDITIONS</b>					
16	<b>Monitoring/Record Keeping</b> Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate: <ol style="list-style-type: none"> <li>a. The date, location, time, and method of sampling or measurements.</li> <li>b. The dates the analyses of the samples were performed.</li> <li>c. The company or entity that performed the analyses of the samples.</li> <li>d. The analytical techniques or methods used.</li> <li>e. The results of the analyses.</li> <li>f. The related process operating conditions or parameters that existed at the time of sampling or measurement.</li> </ol>				
17	All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP.				
18	<b>Certification &amp; Reporting</b> Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.				
19	A responsible official shall certify to the appropriate District Office of the AQD and the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate District Office of the AQD pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, IL, 60604-3507.				
20	The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP.				
21	The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP: <ol style="list-style-type: none"> <li>a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).</li> <li>b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.</li> <li>c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.</li> </ol>				

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<b>A. GENERAL CONDITIONS</b>					
22	For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: a. Submitting a certification by a responsible official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.  b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete. The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.				
23	Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate District Office of the AQD. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports.				
24	On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department.				
25	The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate District Office of the AQD. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a responsible official in a manner consistent with the CAA.				
26	<b>Permit Shield</b> Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance, if either of the following provisions is satisfied: a. The applicable requirements are included and are specifically identified in the ROP. b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source. Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.				
27	Nothing in this ROP shall alter or affect any of the following: a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the EPA under Section 303 of the CAA. b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA.				



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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
28	The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following: a. Operational flexibility changes made pursuant to Rule 215 b. Administrative amendments made pursuant to Rule 216(1)(a)(i)-(iv). c. Administrative amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. d. Minor permit modifications made pursuant to Rule 216(2). e. State-only modifications made pursuant to Rule 216(4) until the changes have been approved by the department.				
29	Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action.				
30	<b>Revisions</b> For changes to any process or process equipment covered by this ROP that does not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215.				
31	A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1).				
32	For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216.				
33	Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable.				
34	<b>Reopenings</b> A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances: a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements.				
35	<b>Renewals</b> For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP.				
36	<b>Stratospheric Ozone Protection</b> If the permittee is subject to 40 CFR Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimed, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.				



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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
37	If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.				
38	<b>Risk Management Plan</b> If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).				
39	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of Part 68 no later than the latest of the following dates as provided in 68.10(a): a. June 21, 1999, b. Three years after the date on which a regulated substance is first listed under 68.130, or c. The date on which a regulated substance is first present above a threshold quantity in a process.				
40	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.				
41	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c).				
42	<b>Emission Trading</b> Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216.				
43	<b>Permit To Install (PTI)</b> The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.				
44	The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.				
45	The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, MDEQ.				
46	If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months, or has been interrupted for 18 months, the applicable terms and conditions from that PTI shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, MDEQ, AQD, P. O. Box 30260, Lansing, MI 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Emission Unit Conditions</b>					
<b>EUBLADE</b>					
EUBLADE	<b>DESCRIPTION:</b> One spray booth equipped with a handheld mechanical spray applicator for coating metal and plastic fan blades with resin and catalyst materials. Particulate emissions are controlled by dry filters. <b>Flexible Group ID:</b> FGMACTWWWWW				
EUBLADE	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booth				
EUBLADE	<b>I. EMISSION LIMIT(S):</b> 1. Styrene (CAS No. 100-42-5) - 800 lb/yr, <sup>1</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES Styrene lb/yr</a>	
EUBLADE	2. VOC (including styrene) - 1,000 lb/yr, <sup>2</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES VOC lb/yr</a>	
EUBLADE	<b>II. MATERIAL LIMIT(S):</b> 1. The styrene content of any resin used in EUBLADE shall not exceed 42.0 percent by weight. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUBLADES Styrene Content</a>	
EUBLADE	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUBLADE and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
EUBLADE	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		Lids closed, cool dry place, accumulation area, labeled
EUBLADE	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall not operate the spray booth associated with EUBLADE unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
EUBLADE	2. The permittee shall equip and maintain the spray booth in EUBLADE with mechanical spray or HVLP applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
EUBLADE	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii))	Yes	C		
EUBLADE	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUBLADE	<p>3. The permittee shall keep the following information on a monthly basis for EUBLADE:</p> <p>a. The identity and amount (in pounds) of each material used.</p> <p>b. The styrene content (in percent by weight) of each resin used.</p> <p>c. The VOC (including styrene) content of each material used.</p> <p>d. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)</p> <p>e. Styrene emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.</p> <p>f. VOC mass emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.</p> <p>The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request.<sup>2</sup> (R 336.1225(2), R 336.1702(a))</p>	Yes	C	<a href="#">EUBLADES Material Identity &amp; amount</a> <a href="#">EUBLADES Styrene Content</a> <a href="#">EUBLADES VOC Content</a> <a href="#">EUBLADES Emission Factor</a> <a href="#">EUBLADES Styrene lb/yr</a> <a href="#">EUBLADES VOC lb/yr</a>	
EUBLADE	<p><b>VII. REPORTING</b></p> <p>1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))</p>	Yes	C		
EUBLADE	<p>2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))</p>	Yes	C		
EUBLADE	<p>3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))</p>	Yes	C		
EUBLADE	<p><b>VIII. STACK/VENT RESTRICTION(S):</b></p> <p>The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:</p> <p>1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches;<sup>2</sup> Min Height Above Ground 30 feet.<sup>2</sup></p>	Yes	C		
EUBLADE	<p><b>IX. OTHER REQUIREMENT(S):</b></p> <p>1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production.<sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)</p>	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EURTM</b>					
EURTM	<b>DESCRIPTION:</b> Resin transfer molding (RTM) operation to manufacture boat(s) and boat parts in a closed mold process. Operations include the use of resin and catalyst materials. <b>Flexible Group ID:</b> FGMACTVVVV, FGMACTWWW				
EURTM	<b>POLLUTION CONTROL EQUIPMENT:</b>				
EURTM	<b>I. EMISSION LIMIT(S):</b> 1. VOC (including styrene) - 300 lb/yr, 2 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EURTM VOC</a>	
EURTM	<b>II. MATERIAL LIMIT(S):</b> 1. The styrene content of all resins used in EURTM shall not exceed 44.5 percent by weight. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EURTM Styrene Content</a>	Only Catalysts shown in the tracking. No styrene containing materials?
EURTM	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EURTM and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EURTM	2. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
EURTM	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EURTM	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
EURTM	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(iii))	Yes	C		
EURTM	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EURTM	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EURTM	3. The permittee shall keep the following information on a calendar month basis for EURTM:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">EURTM Materials</a>	
	b. The VOC content (including styrene) of each material used.	Yes	C	<a href="#">EURTM VOC Content</a>	
	c. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used and a 1% emission credit for closed molding, or an alternate factor approved by the AQD District Supervisor.)	Yes	C	<a href="#">EURTM VOC Emission Factor</a>	
	d. VOC mass emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EURTM Monthly &amp; Annual VOC</a>	
EURTM	The permittee shall keep the records using mass balance, or an alternative method and format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225(2), R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EURTM	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
EURTM	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD's District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
EURTM	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD's District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
EURTM	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		Take out in 2021
EURTM	<b>IX. OTHER REQUIREMENT(S):</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
EURTM	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUADHESIVEDISPING</b>					
EUADHESIVE DISPING	<b>DESCRIPTION:</b> A glue adhesive filling station and two (2) mechanical guns for the manual application of methyl methacrylate (MMA) and styrene based adhesives. <b>Flexible Group ID:</b> NA				
EUADHESIVE DISPING	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUADHESIVE DISPING	<b>I. EMISSION LIMIT(S):</b> 1. VOC (including styrene) - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	<b>II. MATERIAL LIMIT(S):</b> NA				
EUADHESIVE DISPING	Each Cleaning Material - No Organic HAP; Each Coating Operation using Compliant Material Option				No cleanup materials shown in tracking, denatured alcohol has methanol (HAP)
EUADHESIVE DISPING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUADHESIVEDISPING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))				
EUADHESIVE DISPING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall equip and maintain EUADHESIVEDISPING with mechanical gun, non-atomizing applicators or comparable technology with equivalent transfer efficiency whenever technically feasible. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years.(R 336.1213(3)(b)(ii)) NA	Yes	C		
EUADHESIVE DISPING	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(iii))	Yes	C		
EUADHESIVE DISPING	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUADHESIVE DISPING	3. The permittee shall keep the following information on a monthly basis for EUADHESIVEDISPING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">EUADHESIVEDISPING Materials</a>	
	b. The VOC content (including styrene) of each material used. material, and the volume fraction of coating solids for each coating	Yes	C	<a href="#">EUADHESIVEDISPING VOC Content</a>	
	c. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)	Yes	C	<a href="#">EUADHESIVEDISPING VOC Emission Factors</a>	
	d. VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1225(2), R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUADHESIVE DISPING	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
EUADHESIVE DISPING	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUADHESIVE DISPING	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUADHESIVE DISPING	<b>IX. OTHER REQUIREMENT(S):</b> NA				



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUFOAM</b>					
EUFOAM	<b>DESCRIPTION:</b> Polyurethane foam production for boat floatation. <b>Flexible Group ID:</b> FGMACTVVVV				
EUFOAM	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUFOAM	<b>I. EMISSION LIMIT(S):</b> NA				
EUFOAM	<b>II. MATERIAL LIMIT(S):</b> 1. The permittee shall not use more than 8,000 pounds per 12-month rolling time period of mixed polyol/isocyanate resin two-part foam in EUFOAM. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	Saw these materials on site. Always have usage? None reported for many months in 2020
EUFOAM	<b>III. PROCESS/OPERATIONAL RESTRICTIONS:</b> 1. The permittee shall capture all waste materials used in EUFOAM and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUFOAM	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUFOAM	<b>V. TESTING/SAMPLING:</b> NA				
EUFOAM	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii))				
EUFOAM	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUFOAM	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUFOAM	3. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the amount of mixed polyol/isocyanate resin two-part foam used each month and 12-month rolling time period. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	
EUFOAM	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(iii))	Yes	C		
EUFOAM	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
EUFOAM	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
EUFOAM	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUFOAM	<b>IX. OTHER REQUIREMENT(S):</b> The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUCLEANUP</b>					
EUCLEANUP	<b>DESCRIPTION:</b> Miscellaneous cleanup activities including two (2) acetone recycle systems. <b>Flexible Group ID:</b> FGMACTVVVV, FGMACTWWW				There are actually three
EUCLEANUP	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUCLEANUP	<b>I. EMISSION LIMIT(S):</b>				
	1. Acetone (CAS No. 67-64-1) - 13.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	Show Diane how to enter recycled acetone with negative number on EUCLEANUP worksheet
	2. VOC - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
EUCLEANUP	<b>II. MATERIAL LIMIT(S):</b> NA				
EUCLEANUP	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in EUCLEANUP and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUCLEANUP	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUCLEANUP	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
EUCLEANUP	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
EUCLEANUP	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a)) (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
EUCLEANUP	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUCLEANUP	3. The permittee shall keep the following information on a monthly basis for EUCLEANUP:				
	a. The identity of each clean-up solvent used.	Yes	C	<a href="#">EUCLEANUP Material Identity</a>	
	b. The amount (in gallons or pounds) of each clean-up solvent used, recovered and reclaimed.	Yes	C	<a href="#">EUCLEANUP Usage &amp; Reclaim</a>	
	c. Acetone emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	
	d. VOC emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUCLEANUP	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
EUCLEANUP	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
EUCLEANUP	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUCLEANUP	<b>VIII. STACK/VENT RESTRICTION(S)</b> NA				
EUCLEANUP	<b>IX. OTHER REQUIREMENT(S): NA</b>				
EUCLEANUP	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and VVVV)</b>	Yes	C		
EUCLEANUP	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Flexible Group Conditions</b>					
<b>FGOPENMOLDING</b>					
FGOPEN MOLDING	<b>DESCRIPTION:</b> Three open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Operations include the use of resin, putty, and catalyst materials. Particulate emissions are controlled by dry filters.				
FGOPEN MOLDING	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, and EUEXTRABOOTH				
FGOPEN MOLDING	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGOPEN MOLDING	<b>I. EMISSION LIMIT(S)</b> NA				
FGOPEN MOLDING	1. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGOPENMOLDING VOC tpy</a>	
FGOPEN MOLDING	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the styrene content limits listed in the following table for FGOPENMOLDING: R <b>336.1702(a)</b>	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
FGOPEN MOLDING	a) Flame Resistant Resins: 42.0%				
FGOPEN MOLDING	b) All other Resins: 33.5%				
FGOPEN MOLDING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGOPENMOLDING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal	Yes	C		
FGOPEN MOLDING	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		How are air filters disposed of?
FGOPEN MOLDING	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> 1. The permittee shall not operate any spray booth associated with FGOPENMOLDING unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGOPEN MOLDING	2. The permittee shall equip and maintain each of the spray booths in FGOPENMOLDING with mechanical applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGOPEN MOLDING	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
FGOPEN MOLDING	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGOPEN MOLDING	3. The permittee shall keep the following information on a monthly basis for FGOPENMOLDING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">FGOPENMOLDING Materials Used</a>	
	b. The styrene content (in percent by weight) of each resin used.	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
	d)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGOPENMOLDING Emission Factor</a>	
	e. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGOPENMOLDING Styrene tpy</a>	
	The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request.2 (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>VII. REPORTING</b> NA				
FGOPEN MOLDING	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:				
FGOPEN MOLDING	1. SVCHOP1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		Compare to old permit, see if diameter/height compare
FGOPEN MOLDING	2. SVCHOP2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	3. SVCHOP3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	4. SVCHOP4 - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	5. EUEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	<b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGOPEN MOLDING	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGGELCOAT</b>					
FGGELCOAT	<b>DESCRIPTION:</b> Two spray booths equipped with mechanical spray applicators for the application of gelcoat materials with a shared drying area. Operations include the use of gelcoats and catalysts. Particulate emissions are controlled by dry filters.				
FGGELCOAT	<b>Emission Units:</b> EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH				
FGGELCOAT	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGGELCOAT	2. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGGELCOAT VOC tpy</a>	
FGGELCOAT	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the monomer content limits listed in the following table for FGGELCOAT. <sup>2</sup> (R 336.1702(a))				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	a. White gelcoats - Max Styrene Content 31.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for White is 30.4% and MMA of
	b. Clear gelcoats - Max Styrene Content 32.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for Clear is 31.1% and MMA of
	c. All other pigmented gelcoats - Max Styrene Content 40.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Platinum Tan contains 40.0%. Max MMA content is 10%
	d. Tooling gelcoats - Max Styrene Content 43.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	No tooling gelcoats used in 2019
FGGELCOAT	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGGELCOAT and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
FGGELCOAT	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		During site visit saw many open buckets with gelcoats?
FGGELCOAT	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b>				
FGGELCOAT	1. The permittee shall not operate the spray booths associated with FGGELCOAT unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGGELCOAT	2. The permittee shall equip and maintain the spray booths in FGGELCOAT with HVLP applicators or technology with equivalent or lower styrene emission rates. For HVLP applicators, the permittee shall keep test caps available for pressure testing. <sup>2</sup> (R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGGELCOAT	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGGELCOAT	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGGELCOAT	3. The permittee shall keep the following information on a monthly basis for FGGELCOAT:				
	a. The identity and amount (in pounds) of each material used.	Yes	C		
	b. The styrene content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT Styrene Content</a>	
	c. The MMA content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT MMA Content</a>	
	d. The VOC (including styrene) content of each material used.	Yes	C	<a href="#">FGGELCOAT VOC Content</a>	
	e)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, non-MMA VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGGELCOAT Emission Factor</a>	
	f. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGGELCOAT Styrene tpy</a>	
The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1702(a))	Yes	C			
FGGELCOAT	<b>VII. REPORTING</b>	Yes	C		
FGGELCOAT	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
FGGELCOAT	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGGELCOAT	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGGELCOAT	4. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler(s) and/ or process heater(s) and its energy use systems was completed. within 60 days following completion of the tests. (40 CFR 63.7530(d))	Yes	C		
FGGELCOAT	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGGELCOAT	1. SVGELCOAT1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	2. SVCGELCOAT2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	3. SVCGELCOAT3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>3</sup>	Yes	C		
FGGELCOAT	4. SVCGELCOAT4 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>4</sup>	Yes	C		
FGGELCOAT	5. SVEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet. <sup>5</sup>	Yes	C		
FGGELCOAT	<b>IX. OTHER REQUIREMENT(S)</b>	Yes	C		
FGGELCOAT	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		
FGGELCOAT	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGRTM/PRESS</b>					
FGPRESS/OVEN	<b>DESCRIPTION:</b> RTM, electric pre-form oven and compression molding operation to manufacture boat(s) and boat parts in a closed mold process. Operations include the use of resin and catalyst materials.				
FGPRESS/OVEN	<b>Emission Units:</b> EURTM, EUPRESS, EUOVEN				
FGPRESS/OVEN	<b>POLLUTION CONTROL EQUIPMENT</b> NA				
FGPRESS/OVEN	<b>I. EMISSION LIMIT(S)</b> 1. VOC (including styrene) - 3.0 tpy; 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGRTM/PRESS VOC lb/year</a>	Change in compliance tab??
FGPRESS/OVEN	<b>II. MATERIAL LIMIT(S)</b> 1. The styrene content of all resins used in EURTM shall not exceed 44.5 percent by weight. (R 336.1702(a))	Yes	C	<a href="#">FGRTM/PRESS Styrene Content</a>	
FGPRESS/OVEN	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGRTM/PRESS and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGPRESS/OVEN	2. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGPRESS/OVEN	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGPRESS/OVEN	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) NA	Yes	C		
FGPRESS/OVEN	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGPRESS/OVEN	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
FGPRESS/OVEN	The permittee shall keep the following information on a monthly basis for FGRTM/PRESS: a) The identity and amount (in pounds) of each material used.	Yes	C		
FGPRESS/OVEN	b) The styrene content (in percent by weight) of each resin used.	Yes	C		
FGPRESS/OVEN	c) The VOC content (including styrene) of each material used.	Yes	C		
FGPRESS/OVEN	d) The appropriate emission factors for each raw material used: i. The emission factor of 1% by weight of styrene emitted (from EPA-AP-42 Section 4.4 for Polyester Resin Plastics Production Fabrication) shall be used for closed molding processes, ii. Mass balance used for non-styrene VOC emissions, or iii. Alternate emission factors may be used with the approval of the AQD District Supervisor	Yes	C		



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	<p>e)VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.</p> <p>The permittee shall keep the records using AP-42 emission factors, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. (R 336.1702(a))</p>	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGPRESS/OVEN	<b>VII. REPORTING</b> NA				
FGPRESS/OVEN	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGPRESS/OVEN	1. SVRTM - Max Exhaust Diameter/Dimensions 24 inches; 2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGPRESS/OVEN	<b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGPRESS/OVEN	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production.2 (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGMACTVVV</b>					
FGMACTVVV	<b>DESCRIPTION:</b> Each new or reconstructed affected source at boat manufacturing facilities as identified in 40 CFR, Part 63, Subpart VVVV, 40 CFR 63.5683 and 40 CFR 63.5689. The affected source includes open molding resin and gelcoat operations including production resin, tooling resin, pigmented gelcoat, clear gelcoat, and tooling gelcoat, closed molding resin operations, resin and gelcoat mixing operations, resin and gelcoat application equipment cleaning operations, and carpet and fabric adhesive operations.				
FGMACTVVV	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EURLTM, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUFOAM, EUCLEANUP				
FGMACTVVV	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTVVV	<b>I. EMISSION LIMIT(S)</b> 1. Total Organic HAP - The organic HAP limit determined in accordance with 40 CFR 63.5698 (including equation 1); <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2.	Yes	C	<a href="#">MACT VVVV limit</a>	
FGMACTVVV	<b>II. MATERIAL LIMIT(S)</b> 1. Organic HAP Content of production resin using atomized application - 28% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	2. Organic HAP Content of production resin using non-atomized application - 35% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Production Resin Non-Atomized</a>	
FGMACTVVV	3. Organic HAP Content of pigmented gelcoat - 33% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	See Average		<a href="#">MACT VVVV Pigmented Gelcoat</a>	
FGMACTVVV	4. Organic HAP Content of clear gelcoat - 48% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Clear Gelcoat</a>	
FGMACTVVV	5. Organic HAP Content of tooling resin using atomized application - 30% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	6. Organic HAP Content of tooling resin using non-atomized application - 39% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Resin Non-atomized</a>	None used in 2019
FGMACTVVV	7. Organic HAP Content of tooling gelcoat - 40% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Gelcoat</a>	None used in 2019
FGMACTVVV	* The material limits in this table are applicable when using the compliant materials option (40 CFR 63.5701(b)) to demonstrate compliance.				
FGMACTVVV	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> NA				
FGMACTVVV	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGMACTVVVV	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
FGMACTVVVV	<b>Emissions Averaging</b>				
FGMACTVVVV	1. When using Emissions Averaging to comply with the HAP material limits, the permittee must prepare an implementation plan as specified in 40 CFR 63.5707. <sup>2</sup> (40 CFR 63.5707)			NA	
FGMACTVVVV	2. When using Emissions Averaging to demonstrate compliance with the HAP material limits, the permittee must calculate the emissions on a 12 month rolling average using Equation 1 from 40 CFR 63.5710 of Subpart VVVV at the end of the 12th month after the applicable compliance date and at the end of every subsequent month. <sup>2</sup> (40 CFR 63.5710)	Yes	C		
FGMACTVVVV	3. Use equation 2 from 40 CFR 63.5710 of Subpart VVVV at the end of each month to determine the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average required above. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	4. Use the equations from Table 3 of Subpart VVVV to determine PV <sub>i</sub> in equation 2 from 40 CFR 63.5710 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	5. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(a)(3)(i))			NA	
FGMACTVVVV	6. Maintain records of the amount of each resin and gelcoat used per month. <sup>2</sup> (40 CFR 63.5704(a)(3)(ii))			NA	
FGMACTVVVV	7. Maintain records of the application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(a)(3)(iii))			NA	
FGMACTVVVV	<b>Compliant Materials</b>				
FGMACTVVVV	8. When using Compliant Materials to comply with the HAP limit in SC I.1 above, the permittee may use equation 1 from 40 CFR 63.5713 of Subpart VVVV to calculate the weighted average organic HAP content at the end of every month for all resins and gel coats used in each operation in the past 12 months. If all resins and gel coats used have organic HAP contents no greater than the applicable organic HAP content limits, this calculation is not necessary to demonstrate compliance. <sup>2</sup> (40 CFR 63.5713)	See Average		NA	
FGMACTVVVV	9. If filled resins are used, equation 1 from 40 CFR 63.5714 of Subpart VVVV must be used to demonstrate compliance for the filled material on an as-applied basis. <sup>2</sup> (40 CFR 63.5714)			NA	
FGMACTVVVV	10. Use the methods specified in 40 CFR 63.5758 to determine the organic HAP contents of resins and gel coats. <sup>2</sup> (40 CFR 63.5704(b)(1))	Yes	C	<a href="#">MACT VVVV Compliant Materials</a>	
FGMACTVVVV	11. Complete the calculations described in 40 CFR 63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5704(b)(2))	Yes	C	<a href="#">MACT VVVV Averaging</a>	
FGMACTVVVV	12. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(b)(3)(i))	Yes	C	<a href="#">Material HAP</a>	
FGMACTVVVV	13. Maintain records of the application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(b)(3)(ii))			NA - non-atomized	
FGMACTVVVV	14. Maintain records of the amount of resin and gelcoat used per month. This record is not required for an operation if all resins and gelcoats used for that operation comply with the organic HAP content requirements. <sup>2</sup> (40 CFR 63.5704(b)(3)(iii))	Yes	C	<a href="#">MACT VVVV Resin and Gelcoat Quantities</a>	
FGMACTVVVV	15. Maintain records of the calculations performed, if required to demonstrate compliance based on weighted-average organic HAP content as described in 40 CFR 63.5713. <sup>2</sup> (40 CFR 63.5704(b)(3)(iv))	Yes	C	<a href="#">MACT VVVV Calculations</a>	
FGMACTVVVV	<b>General Requirements</b>				
FGMACTVVVV	16. Maintain the records required by 40 CFR 63.5767 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5767)				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>VII. REPORTING</b>	Yes	C		
FGMACTVVVV	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(iii))	Yes	C		
FGMACTVVVV	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGMACTVVVV	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGMACTVVVV	4. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5764. The report shall include the following: <sup>2</sup> (40 CFR 63.5764)				
	a. The date of the report and the beginning and ending dates of the reporting period.	Yes	C		
	b. A description of any changes in the manufacturing process since the last compliance report.	Yes	C		
	c. A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which complying. The statement or table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.	Yes	C		
	d. If in compliance with the emission limits and work practice standards during the reporting period include a statement to that effect.	Yes	C		
	e. If the permittee deviated from an emission limit or work practice standard during the reporting period, the permittee must also include:			NA	
	i. A description of the operation involved in the deviation.			NA	
	ii. The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.			NA	
	iii. A description of any corrective action taken to minimize the deviation and actions taken to prevent it from happening again.			NA	
	iv. A statement of whether or not the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.			NA	
FGMACTVVVV	<b>VIII. STACK/VENT RESTRICTION(S)</b>				
FGMACTVVVV	NA <b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart VVVV for Boat Manufacturing by the initial compliance date. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGMACTWWWWW</b>					
FGMACTWWWWW	<b>DESCRIPTION:</b> Each new or reconstructed affected source at reinforced plastic composites production facilities as identified in 40 CFR, Part 63, Subpart WWWW, 40 CFR 63.5785 and 40 CFR 63.5790. Reinforced plastic composites production is defined in 40 CFR 63.5785. Reinforced plastic composites production also includes associated activities, such as cleaning, mixing, HAP-containing materials storage, and repair operations associated with the production of plastic composites.				
FGMACTWWWWW	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUBLADE, EURT, EUPRESS, EUOVEN, EUCLEANUP				
FGMACTWWWWW	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTWWWWW	<b>I. EMISSION LIMIT(S)</b> 1. Organic HAP from Open Molding –Corrosion Resistant and/or High Strength (CR/HS) Resin, Mechanical Application - 113 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	2. Organic HAP from Open Molding – Non CR/HS Resin, Mechanical Application - 88 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	3. Organic HAP from Open Molding – Tooling Resin, Mechanical Application - 254 lb/ton; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	4. Organic HAP from Open Molding - Low-flame spread/low-smoke products - 497 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	5. Organic HAP from Open Molding – Shrinkage controlled resins - 354 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	6. Organic HAP from Open Molding – Tooling gel coat - 440 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	7. Organic HAP from Open Molding – White/off white pigmented gel coat - 267 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	8. Organic HAP from Open Molding – Pigmented gel coat - 377 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	9. Organic HAP from Open Molding – CR/HS or high performance gel coat - 605 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	10. Organic HAP from Open Molding – Fire retardant gel coat - 854 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	11. Organic HAP from Open Molding –Clear production gel coat - 522 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	12. The permittee shall use one or a combination of the following methods to meet the standards for open molding operations in Table 3 of Subpart WWWW of Part 63. <sup>2</sup> <b>(40 CFR 63.5810)</b>			See Weighted Average	
FGMACTWWWWW	a. Demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit in Table 3 of Subpart WWWW of Part 63. <b>(40 CFR 63.5810(a))</b>			See Weighted Average	
FGMACTWWWWW	b. Demonstrate that, on average, the facility meets the individual organic HAP emissions limits for each unique combination of operation type and resin application method or gel coat type shown in Table 3 to this subpart that applies to the facility. <b>(40 CFR 63.5810(b))</b>			See Weighted Average	
FGMACTWWWWW	c. Demonstrate compliance with a weighted average emission limit. Demonstrate each month that the permittee meets each weighted average of the organic HAP emissions limits in Table 3 to this subpart that apply the weighted average organic HAP emissions limit for all open molding operations. <b>(40 CFR 63.5810(c))</b>	Yes	C	<a href="#">MACT WWWW Facility Weighted Average</a>	
FGMACTWWWWW	d. Meet the organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion-resistant, corrosion-resistant and/or high strength, and tooling. <b>(40 CFR 63.5810(d))</b>			See Weighted Average	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	13. The permittee may switch between the compliance options in SC I.12.a through 12.d. When changing to an option based on a 12-month rolling average, the facility must base the average on the previous 12 months of data calculated using the compliance option the facility is changing to, unless the facility previously used an option that did not require the facility to maintain records of resin or gel coat. In this case, the facility must immediately begin collecting resin and gel coat and demonstrate compliance 12 months after changing options. <sup>2</sup> (40 CFR 63.5810)				
FGMACTWWWWW	II. <b>MATERIAL LIMIT(S)</b> NA				
FGMACTWWWWW	III. <b>PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C	Acetone is only clean-up solvent	
FGMACTWWWWW	2. For each HAP-containing materials storage operation, the permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C		
FGMACTWWWWW	3. For each mixing operation, the permittee shall use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	4. For each mixing operation, the permittee shall close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. Vents routed to a 95 percent efficient control device are exempt from this requirement. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	5. For each mixing operation, the permittee shall keep the mixer covers closed while actual mixing is occurring, except when adding materials or changing covers to the mixing vessels. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	IV. <b>DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGMACTWWWWW	V. <b>TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall determine the HAP content of any resin(s) as received and as applied, using manufacturer's formulation data and safety data sheets, using the procedures outlined in 40 CFR 63.5797 (a) through (c) as applicable. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311. <sup>2</sup> (40 CFR 63.5797)	Yes	C	Material HAP	
FGMACTWWWWW	VI. <b>MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall conduct an initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR 63.5840 and 40 CFR 63.5860. <sup>2</sup> (40 CFR 63.5840, 40 CFR 63.5860)	Yes	C		
FGMACTWWWWW	2. The permittee shall demonstrate continuous compliance with the applicable standards according to the procedures outlined in 40 CFR 63.5895 and 40 CFR 63.5900. <sup>2</sup> (40 CFR 63.5895, 40 CFR 63.5900)	Yes	C		
FGMACTWWWWW	3. The permittee shall keep all records required by 40 CFR 63.5915 in the format and timeframes outlined in 40 CFR 63.5920. The records must be kept onsite for a period of at least two years. The records must be kept for a total of at least five years. <sup>2</sup> (40 CFR 63.5915, 40 CFR 63.5920)	Yes	C		
FGMACTWWWWW	4. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date: <sup>2</sup>				
FGMACTWWWWW	a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63 Subpart WWWW, and the documentation supporting each notification as specified in 40 CFR 63.5915(a)(1). (40 CFR 63.5915(a))	Yes	C		
FGMACTWWWWW	b. Records of all data, assumptions, and calculations used to determine organic HAP emission factors or average organic HAP contents for operations listed in Table 3 to 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(c))	Yes	C		
FGMACTWWWWW	c. A certified statement demonstrating compliance with all applicable work practice standards identified in Table 4 of 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(d))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	5. The permittee shall keep records documenting that the resin(s) used in FGMACTWWWWW meet(s) the requirements for corrosion-resistant resin, non-corrosion-resistant resin, or tooling resin as outlined in 40 CFR 63.5935. <sup>2</sup> <b>(40 CFR 63.5935)</b>	Yes	C		
FGMACTWWWWW	<b>VII. REPORTING</b>	Yes	C		
FGMACTWWWWW	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
FGMACTWWWWW	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
FGMACTWWWWW	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
FGMACTWWWWW	4. The permittee shall submit the applicable notifications specified in, and according to the timeframes in 40 CFR 63.5905. <sup>2</sup> <b>(40 CFR 63.5905)</b>	Yes	C		
FGMACTWWWWW	5. The permittee shall submit all applicable reports identified in, and according to the timeframes in 40 CFR 63.5910. <sup>2</sup> <b>(40 CFR 63.5910)</b>	Yes	C		
FGMACTWWWWW	6. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5910(c). The report shall include the following:				
	a. Company name and address. <b>(40 CFR 63.5910(c)(1))</b>	Yes	C		
	b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. <b>(40 CFR 63.5910(c)(2))</b>	Yes	C		
	c. Date of the report and beginning and ending dates of the reporting period. <b>(40 CFR 63.5910(c)(3))</b>	Yes	C		
	d. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply to you, and there are no deviations from the requirements for work practice standards in Table 4 to this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period. <b>(40 CFR 63.5910(c)(5))</b>	Yes	C		
FGMACTWWWWW	<b>VIII. STACK/VENT RESTRICTION(S)</b>				
	NA				
FGMACTWWWWW	<b>IX. OTHER REQUIREMENT(S)</b>			NA	
	1. If the permittee produces reinforced plastic composites that are not used in fiberglass boat manufacture at the facility, the permittee may elect to have the operations covered by 40 CFR Part 63, Subpart VVVV, in lieu of 40 CFR Part 63, Subpart WWWW, if it can be demonstrated that this will not result in any organic HAP emissions increase compared to complying with 40 CFR Part 63, Subpart WWWW. <sup>2</sup> <b>(40 CFR 63.5787(c) and (d))</b>				
FGMACTWWWWW	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production by the initial compliance date. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C		

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

Coatings and Other Materials VOC and HAP Information

Limit = 5.0 lb/gal

Owosso Composite, LLC, Owosso, MI

less water as applied

1	2	3	4			8		10	11	12	13	
Code #	Coating Material Name	Supplier	Type	Gelcoat/Resin Type	Notes	Specific Gravity	Density (lb/gal)	VOC Content wt%	VOC Content (w/water) (lb/gal)	VOC Content less exempt (lb/gal - exempt)	HAP Content wt%	HAP/Solids Content (lb HAP/lb Solid)
50911	905 TR Mold Prep Cleaner	TR Industries	Purge & Cleanup			0.83	6.92	100%	6.92		52%	#DIV/0!
553587	955 EZ Wipe II Semi Perm Release - Mold Release	TR Industries	Mold Release			0.73	6.05	99%	6.01		0%	0
40001	Acetone	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
40001Rec	Acetone Recycled	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
6637-R	Adhesive, Primer Pliogrip		Paint				7.20	67%	4.79		0%	0
640894	A-Gray Low VOC Gel Coat 8-1536-LNHN	Interplastic	Gelcoat	Pigmented Gelcoat		1.26	10.51	40%	4.20		40%	0.666666667
601920	AME 5001 C	Ashland	Resin	CR/HS Resin			9.00	35%	3.11		35%	0.528818224
615965	AOC H884-IVA-20	AOC, LLC	Resin	Non CR/HS Resin		1.10	9.17	32%	2.94		32%	0.470588235
106387	Armorcote Green 961GJ117	Polynt Composites	Gelcoat	Pigmented Gelcoat			10.43	35%	3.66		34%	0.525658807
661760	Armorflex HAP33 Sea Fox Green 99FWP646	Polynt Composites	Gelcoat	Pigmented Gelcoat			11.27	35%	3.97		34%	0.527777778
658562	ArmorFlex Mystic Green 953GP377	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.94	39%	3.86		39%	0.636125654
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.72	34%	3.31		33%	0.500227307
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	Polynt Composites	Resin	CR/HS Resin		1.10	9.14	36%	3.31		35%	0.543287327
671003	Aropol L 67341 T-20 LSE	Ashland	Resin	CR/HS Resin			9.00	33%	2.93		33%	0.483215195





## Coating and other Materials TRI Compound Information

Owosso Composite, LLC, Owosso, MI

1	2	
Code #	Coating Name	
50911	905 TR Mold Prep Cleaner	
553587	955 EZ Wipe II Semi Perm Release - Mold Release	
40001	Acetone	
40001Rec	Acetone	
6637-R	Adhesive, Primer Pliogrip	
640894	A-Gray Low VOC Gel Coat B-1536-LNHN	
601920	AME 5001 C	
615965	AOC H884-IVA-20	
106387	Armorcote Green 961GJ117	
661760	Armorflex HAP33 Sea Fox Green 99FWP646	
658562	ArmorFlex Mystic Green 953GP377	
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	
671003	Aropol L 67341 T-20 LSE	
651875	Bulk Resin 136-7977	
53-X145A	Catalyst, Component B for KPA01	
CTC0073	Catalyst, Hardener	
V66V27	Catalyst, Polane B	
0504_001	COR61-AA-545s DCPD Laminating Resin	
574675	Denatured Alcohol - PC-1010	
596288	Derakane 510 B-400	
B	Dion FR 7704-00 poly-resin- tubs	
697384	Dk Gray Avalon	
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	
653734	Enguard NG-37025 Buckskin	
653733	Enguard WG-34653 Hurricane White	
683929	HAP33 Browncrest Armorcote 991NP599	
683927	HAP33 Charcoal Armorcote 991AP633	
655100	HAP33 IMPULSE TORRED RED 996RP240	
653519	HAP33 Off White ArmorFlex 99FWP506	
605547	HAP33 Sea Foam Green ArmorPro 99MWP356	
681060	HAP37 Beige-BC Polycor 964NP589	
681409	HAP37 DK GRAY 2020	
681120	HAP37 French Gray-BC Polycor 964NP590	

681121	HAP37 Oxford Gray-BC	
38101	Hetron 197 P Resin	
38307	Hetron FR 992	
671485	HURRICANE WHITE ArmorFlex 953WP762	
601835	Imedge HPB Blue Barrier Coat 210LK292	
557967	Int w419-Luu-CSA White -Tub	
617369	LHB-3815 Black VE Barrier Coat	
23172	Luperox DDM-9 CLEAR 1536#/PLT	No 313 Chemicals
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	
639298	Maxguard GG-LEI-R6001A Gelcoat	
634516	Maxguard IG-LEI-J148A Gelcoat	
640315	Maxguard NG-LRV-7035 Milkweed Gelcoat	
636644	Maxguard RG-LEI-R4003A Gelcoat - Light Purple	
50912	MR 910/910FD TR 910 FD Mold Release	No 313 Chemicals
562196	Norox Azox Fred - Acetyl Acetone Peroxide	
539089	Norox MCP-75 FRED	
205702	Norox MEKP-9H	
538881	Optiplus 040-8089 Unsaturated Polyester in Monomer	
537983	Optiplus 040-8094 Unsaturated Polyester in Monomer	
F63BXL17999-4318	Paint, Blue Bruinswick	
F63BXA4327-43	Paint, Dark Gray Bruinswick	
4402	Paint, Gloss Black Spray	
KPA0333	Paint, Med Gloss Black Urethane	
4087573	Paint, Red Spray	
F63BXA4326	Paint, Silver Bruinswick	
KPY0217	Paint, Yellow	
A	pcu 33234-24 low styrene resin	
640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	
623680	Polycor 944WP506 Off White	
538937	Polycor Base White 944WJ480	
37166	Polycor Black 944B025	
37026	Polycor Black Tooling 945B201	
591163	Polycor HAP37 Almond 964NK208	
671486	Polycor HAP37 Buckskin 964NP553	
671487	Polycor HAP37 CONCH SHELL 964NP555	
665311	Polycor HAP37 Crest Gray 964AP276	
653889	Polycor HAP37 Dark Brown 964NP500	
622891	Polycor HAP37 Duck Yellow 964YP359	
607674	Polycor HAP37 Khaki 964NP298	
645286	Polycor Hap37 Light Gray 964AP416	
645283	Polycor HAP37 Tan 964NP451	
37027	Polycor L/F Orange Tooling 945YA058	
588748	Quickmix Neutral 99Q-HI Chroma MACT 99QXK166	
29009	R061-46 - Polyester Bonding Putty	
0505_001	RFX-8636 Tan Reflex	
601211	RHD-3507 Jet Black Revolution HD	
630852	SCIGrip SG300-05-OW - Off White Adhesive	



Enter w/o dashes TRI CAS Highlighted cells indicated co

		100425	80626	100414	N120
		100-42-5	80-62-6	100-41-4	N120
4	5	6	7	8	9
	Name	Styrene	Methyl methacrylate	Ethylbenzene	Diisocyanates (includes 20 specific compounds)
	Percent Emitted	1 *	1 *	100%	1.00%
	SARA 313	*SEE FORMULA	*SEE FORMULA	Yes	Yes
	SARA 302	0	0	0	0
	Total VOC	(wt%)	(wt%)	(wt%)	(wt%)
Purge & Cleanup	100%				
Mold Release	100%				
Purge & Cleanup	0%				
Purge & Cleanup	0%				
Paint	0%				
Gelcoat	40%	30%	10%		
Resin	35%	35%			
Resin	32%	32%			
Gelcoat	35%	24%	10%		
Gelcoat	35%	28%	5%	1%	
Gelcoat	39%	28%	10%	1%	
Gelcoat	34%	32%		1%	
Resin	35%	35%			
Resin	33%	33%			
Resin	43%	43%			
Paint	0%				
Paint	0%				
Paint	0%				
Resin	33%	31%	2%		
Other-Non Coating	100%				
Resin	39%	39%			
Resin	32%	32%			
Gelcoat	36%	31%	5%		
Catalyst	6%				0%
Gelcoat	40%	35%	5%		
Gelcoat	34%	29%	5%		
Gelcoat	37%	26%	10%		
Gelcoat	37%	26%	10%		
Gelcoat	36%	30%	5%		
Gelcoat	35%	28%	5%	1%	
Gelcoat	38%	31%	5%	1%	
Gelcoat	36%	31%	5%		
Gelcoat	36%	31%	5%		
Gelcoat	37%	32%	5%		



Gelcoat	37%	32%	5%		
Resin	42%	42%			
Resin	40%	40%			
Gelcoat	35%	29%	5%		
Gelcoat	33%	33%			
Gelcoat	29%	29%			
Gelcoat	29%	29%			
Catalyst	2%				
Gelcoat	41%	31%	10%		
Gelcoat	31%	29%	3%		
Gelcoat	31%	29%	3%		
Gelcoat	32%	29%	3%		
Gelcoat	31%	28%	3%		
Mold Release	100%				
Catalyst	5%				
Catalyst	10%				
Catalyst	5%				
Resin	51%	40%		1%	
Resin	47%	40%	5%	1%	
Paint	0%				
Paint	0%				
Paint	0%				
Paint	0%				
Paint	0%				
Paint	0%				
Resin	33%	33%			
Gelcoat	45%	40%	5%		
Gelcoat	35%	30%	5%		
Gelcoat	36%	30%	5%	1%	
Gelcoat	40%	34%	5%	1%	
Gelcoat	47%	43%	4%		
Gelcoat	36%	30%	5%	1%	
Gelcoat	37%	32%	5%		
Gelcoat	36%	31%	5%		
Gelcoat	37%	31%	5%	1%	
Gelcoat	38%	32%	5%	1%	
Gelcoat	37%	31%	5%	1%	
Gelcoat	37%	31%	5%	1%	
Gelcoat	36%	30%	5%	1%	
Gelcoat	37%	31%	5%	1%	
Gelcoat	49%	42%	5%	1%	
Gelcoat	42%	35%	5%	1%	
Other-Non Coating	15%	15%			
Gelcoat	33%	30%	3%		
Gelcoat	32%	28%	4%		
Adhesive	0%	0%	0%		



Adhesive	0%	0%	0%		
Catalyst	0%				
Gelcoat	34%	29%	5%		
Resin	40%	40%			
Gelcoat	35%	30%	5%		
	2%				
	7%				
	100%	0%			
	105%	0%			
Paint	0%				
	0%				
	0%				
	0%				
	0%				
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	0%				





Compound already listed on table (Don't forget to enter HAPs info on the Product Info Worksheet)

101688	9016879	3164850	25013154	868779	99978	98839
101-68-8	9016-87-9	3164-85-0	25013-15-4	868-77-9	99-97-8	98-83-9
10	11	12	13	14	15	16
Methylenebis(phenylisocyanate) (MDI)	Polymeric diphenylmethane diisocyanate	Potassium 2-Ethylhexanoate	Vinyl Toluene	Hydroxyethyl Methacrylate	N,N-Dimethyl-P-Toluidine	Alpha Methyl Styrene
1.00%	1.00%	0	100%	1.00%	0	0
Yes	Yes	No	No	No	No	No
0	0	#N/A	#N/A	#N/A	#N/A	#N/A
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
						3%
0%	0%					



				1%		
		0%				
			10%	5%	1%	
					1%	5%

60%	100%					



				100%	30%	5%





64741668	108883	37187227	123546	131113	80159	98862
64741-66-8	108-88-3	37187-22-7	123-54-6	131-11-3	80-15-9	98-86-2
24	25	26	27	28	29	30
<i>naphtha (petroleum), light alkylate</i>	<i>Toluene</i>	<i>2,4-Pentanedione, peroxide</i>	<i>2,4-Pentanedione</i>	<i>Dimethyl phthalate</i>	<i>Cumene hydroperoxide</i>	<i>Acetophenone</i>
100%	100%	0	100%	0.10%	0	100%
No	Yes	No	No	Yes	Yes	Yes
#N/A	0	#N/A	#N/A	0	0	0
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
	52%					
100%						



		30%	5%			
				0%	25%	5%
				0%		







78933	64742956	872504	1338234	107415	756796
78-93-3	64742-95-6	872-50-4	1338-23-4	107-41-5	756-79-6
38	39	40	41	42	43
<i>Methyl ethyl ketone</i>	<i>Light Aromatic Naphtha</i>	<i>N-Methyl-2-pyrrolidone</i>	<i>Methyl ethyl ketone peroxide</i>	<i>2-methyl-2,4-Pentanediol</i>	<i>Dimethyl Methanphosphonate</i>
100%	100%	100%	0%	100%	100%
No	No	Yes	No	No	No
0	#N/A	0	0	#N/A	#N/A
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
50%					
	1%				
	1%				
	1%				
	1%				
	1%				
	1%				
	1%				
	1%				





			1%	1%	
			1%	1%	
			1%	1%	
			0%	0%	0%
			0%	0%	0%
			0%	0%	0%
			1%	1%	
			0%		
			1%	1%	
			1%	1%	
			1%	1%	
			1%	1%	
			1%	1%	

			0%		
			1%	1%	
		5%	2%		
		0%			



ds

21041930	15625895	7722841	67641	94360	112945525	14807966
21041-93-0	15625-89-5	7722-84-1	67-64-1	94-36-0	112945-52-5	14807-96-6
50	51	52	53	54	55	56
<i>CAS not found on SARA list</i>	<i>Acrylic Polymer</i>	<i>Hydrogen peroxide (Conc.&gt;52%)</i>	<i>Acetone</i>	<i>Benzoyl peroxide</i>	<i>Silica Colloidal Amorphous</i>	<i>Magnesium Silicate (Talc)</i>
No #N/A (wt%)	No #N/A (wt%)	No 1,000 (wt%)	No 0 (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)
			100%			
			100%			
	0%					
						13%
	0%				1%	
						20%
						20%
						20%



					1%	
						26%
					2%	
					1%	15%
0%					1%	15%
0%					1%	15%
0%					1%	15%
		18%				
		5%				
		5%				
					5%	
						30%
	23%					12%







13463677	7631869	14808607	1317653	67762907	1333864	107211
13463-67-7	7631-86-9	14808-60-7	1317-65-3	67762-90-7	1333-86-4	107-21-1
57	58	59	60	61	62	63
<i>Titanium Dioxide</i>	<i>Silica Amorphous</i>	<i>Quartz</i>	<i>Calcium Carbonate</i>	<i>Silicon Dioxide</i>	<i>Carbon Black</i>	<i>CAS not found on SARA list</i>
<i>No #N/A (wt%)</i>	<i>No #N/A (wt%)</i>	<i>No #N/A (wt%)</i>	<i>No #N/A (wt%)</i>	<i>No #N/A (wt%)</i>	<i>No #N/A (wt%)</i>	<i>0 (wt%)</i>
5%						
30%						
5%						
5%						
3%	3%	0%				
21%						
30%						
20%						
5%						
5%						
5%						



5%						
30%						1%
15%						
				6%		
3%						
3%						
2%						
20%						
20%						
20%						
					0%	
5%						
5%						
5%						
5%						
5%						
5%						
10%						
5%						
			55%			
6%						



5%						
20%						







71	72	73	74	75	76	77





85	86	87	88	89	90	91



99	100	101	102	103	104	105







120	121	122	123	124	125	126





See Molded Plastics Industries (200409) recordkeeping to set up TRI usage on Coating\_Material TRI

Monthly Usage Data is not entered the same on Great Lakes compared to MPI. It would be IDEAL, if it were, and  
Again, see MPI Recordkeeping for exact setup and detailed explanation.



and the monthly usages linked to EU/FG tabs. Work with Jenny Osika (purchaser for GLC, Excel) to organize this system.

tem.

**12-Month Rolling Emissions Summary**

Owosso Composite, LLC, Owosso, MI

Year 2020

9/6/2022

14

9.1

Month/Year	FGGELCOAT					
	VOC			Styrene		
	ton/month	tons/12-mo rolling	In compliance (<14.0 tpy)	ton/month	tons/12-mo rolling	In compliance (<9.1 tpy)
Jan-19	0.68	10.20	Yes	0.50	7.79	Yes
Feb-19	0.88	10.23	Yes	0.63	7.77	Yes
Mar-19	0.70	10.11	Yes	0.51	7.64	Yes
Apr-19	0.66	9.93	Yes	0.47	7.47	Yes
May-19	0.56	9.61	Yes	0.42	7.22	Yes
Jun-19	0.48	9.19	Yes	0.38	6.92	Yes
Jul-19	0.47	8.83	Yes	0.37	6.68	Yes
Aug-19	0.63	8.36	Yes	0.51	6.33	Yes
Sep-19	0.36	7.77	Yes	0.29	5.88	Yes
Oct-19	0.71	7.59	Yes	0.48	5.66	Yes
Nov-19	0.44	7.36	Yes	0.27	5.43	Yes
Dec-19	0.48	7.05	Yes	0.32	5.15	Yes
Jan-20	0.87	7.24	Yes	0.57	5.21	Yes
Feb-20	1.53	7.89	Yes	1.15	5.73	Yes
Mar-20	0.58	7.78	Yes	0.41	5.63	Yes
Apr-20	0.04	7.16	Yes	0.03	5.20	Yes
May-20	0.28	6.89	Yes	0.19	4.97	Yes
Jun-20	0.50	6.91	Yes	0.37	4.95	Yes
Jul-20	0.55	6.99	Yes	0.41	5.00	Yes
Aug-20	0.59	6.95	Yes	0.41	4.90	Yes
Sep-20	0.57	7.16	Yes	0.44	5.05	Yes
Oct-20	0.45	6.90	Yes	0.30	4.87	Yes
Nov-20	0.42	6.87	Yes	0.33	4.93	Yes
Dec-20	0.68	7.08	Yes	0.52	5.13	Yes

350

1

12.9

EUADHESIVEDISPING						EU COATINGLINE		
VOC			VOC			VOC		
lb/month	lb/12-mo rolling	In Compliance (<350 lb/yr)	tons/month	tons/12-mo rolling	In Compliance (<1 tpy)	ton/month	tons/12-mo rolling	In compliance (<12.9 tpy)
-	2.98	Yes	-	0.00	Yes	-	-	--
1.24	4.12	Yes	0.00	0.00	Yes	-	-	--
1.42	5.52	Yes	0.00	0.00	Yes	-	-	--
1.24	6.68	Yes	0.00	0.00	Yes	-	-	--
1.24	7.81	Yes	0.00	0.00	Yes	-	-	--
1.24	8.99	Yes	0.00	0.00	Yes	-	-	--
1.24	10.13	Yes	0.00	0.01	Yes	-	-	--
1.07	11.20	Yes	0.00	0.01	Yes	-	-	--
1.42	11.55	Yes	0.00	0.01	Yes	-	-	--
1.60	11.73	Yes	0.00	0.01	Yes	-	-	--
1.07	12.80	Yes	0.00	0.01	Yes	-	-	--
0.89	13.69	Yes	0.00	0.01	Yes	-	-	--
0.18	13.86	Yes	0.00	0.01	Yes	0.04	0.04	Yes
0.53	13.15	Yes	0.00	0.01	Yes	-	0.04	--
0.71	12.44	Yes	0.00	0.01	Yes	-	0.04	--
-	11.20	Yes	-	0.01	Yes	-	0.04	--
0.32	10.27	Yes	0.00	0.01	Yes	-	0.04	--
0.71	9.74	Yes	0.00	0.00	Yes	-	0.04	--
0.18	8.67	Yes	0.00	0.00	Yes	-	0.04	--
1.07	8.67	Yes	0.00	0.00	Yes	-	0.04	--
1.24	8.49	Yes	0.00	0.00	Yes	-	0.04	--
1.60	8.49	Yes	0.00	0.00	Yes	-	0.04	--
-	7.43	Yes	-	0.00	Yes	-	0.04	--
-	6.54	Yes	-	0.00	Yes	-	0.04	--



10

7.3

FGOPENMOLDING					
VOC			Styrene		
ton/month	tons/12-mo rolling	In compliance (<10.0 tpy)	ton/month	tons/12-mo rolling	In compliance (<7.3 tpy)
0.39	4.58	Yes	0.37	4.38	Yes
0.43	4.55	Yes	0.42	4.36	Yes
0.42	4.60	Yes	0.41	4.43	Yes
0.42	4.66	Yes	0.41	4.49	Yes
0.33	4.55	Yes	0.32	4.40	Yes
0.36	4.39	Yes	0.36	4.25	Yes
0.37	4.40	Yes	0.36	4.26	Yes
0.32	4.34	Yes	0.31	4.18	Yes
0.35	4.35	Yes	0.33	4.20	Yes
0.23	4.23	Yes	0.22	4.08	Yes
0.20	4.14	Yes	0.19	4.00	Yes
0.29	4.11	Yes	0.27	3.97	Yes
0.34	4.06	Yes	0.33	3.92	Yes
0.45	4.08	Yes	0.45	3.95	Yes
0.34	4.00	Yes	0.31	3.86	Yes
0.03	3.61	Yes	0.02	3.47	Yes
0.28	3.55	Yes	0.25	3.40	Yes
0.33	3.52	Yes	0.29	3.34	Yes
0.06	3.21	Yes	0.03	3.00	Yes
0.06	2.94	Yes	0.03	2.72	Yes
0.06	2.65	Yes	0.03	2.42	Yes
0.02	2.44	Yes	0.01	2.21	Yes
0.01	2.26	Yes	0.01	2.03	Yes
0.04	2.01	Yes	0.02	1.78	Yes

1			13			300			100		
EUCLEANUP						EURTM			FGPRESS/OVEN		
VOC			Acetone			VOC			VOC		
ton/month	tons/12-mo rolling	In compliance (<1.0 tpy)	ton/month	tons/12-mo rolling	In compliance (<13.0 tpy)	lb/month	lb/12-mo rolling	In Compliance (<300 lb/yr)	lb/month	lb/12-mo rolling	In Compliance (<100 lb/yr)
-	-	--	0.52	6.66	Yes	13.25	51.63	Yes	-	-	Yes
-	-	--	0.00	5.67	Yes	9.71	60.06	Yes	-	-	Yes
-	-	--	0.16	4.86	Yes	12.52	71.31	Yes	-	-	Yes
-	-	--	0.75	4.81	Yes	8.05	78.10	Yes	-	-	Yes
-	-	--	0.15	4.05	Yes	6.89	82.84	Yes	-	-	Yes
-	-	--	0.65	4.43	Yes	5.45	86.05	Yes	-	-	Yes
-	-	--	0.59	4.89	Yes	4.27	87.92	Yes	-	-	Yes
-	-	--	0.18	4.41	Yes	4.44	84.12	Yes	-	-	Yes
-	-	--	0.43	4.21	Yes	4.55	80.94	Yes	-	-	Yes
-	-	--	0.37	4.00	Yes	3.62	77.18	Yes	-	-	Yes
-	-	--	0.18	3.99	Yes	2.06	74.80	Yes	-	-	Yes
-	-	--	0.43	4.42	Yes	2.90	77.70	Yes	-	-	Yes
0.03	0.03	Yes	0.29	4.19	Yes	3.75	68.20	Yes	-	-	Yes
0.03	0.07	Yes	0.58	4.76	Yes	2.91	61.40	Yes	-	-	Yes
0.02	0.08	Yes	0.61	5.21	Yes	1.10	49.98	Yes	-	-	Yes
-	0.08	--	(0.07)	4.38	Yes	-	41.93	Yes	-	-	Yes
0.02	0.10	Yes	0.47	4.70	Yes	21.27	56.31	Yes	-	-	Yes
-	0.10	--	0.95	5.00	Yes	32.96	83.82	Yes	-	-	Yes
0.03	0.13	Yes	0.97	5.37	Yes	19.28	98.82	Yes	-	-	Yes
0.05	0.18	Yes	0.96	6.15	Yes	20.49	114.88	Yes	-	-	Yes
0.03	0.21	Yes	2.16	7.87	Yes	26.66	136.98	Yes	-	-	Yes
0.07	0.28	Yes	1.20	8.71	Yes	21.05	154.41	Yes	-	-	Yes
-	0.28	--	0.44	8.96	Yes	20.35	172.71	Yes	-	-	Yes
-	0.28	--	0.18	8.71	Yes	16.26	186.06	Yes	-	-	Yes



1000			800			8000		
EUBLADES						EUFOAM		
VOC			Styrene			Material Usage		
lb/month	lbs/12-mo rolling	In Compliance (<1000 lb/yr)	lb/month	lbs/12-mo rolling	In Compliance (<800 lb/yr)	lb/month	lb/12-mo rolling	In compliance (<8,000 lb/12-month)
38.69	428.75	Yes	37.65	417.32	Yes	19.50	1,626.50	Yes
27.63	438.55	Yes	26.87	426.86	Yes	111.00	1,689.50	Yes
12.30	435.66	Yes	11.99	424.13	Yes	169.50	1,711.00	Yes
38.09	416.00	Yes	37.04	404.63	Yes	96.75	1,623.75	Yes
14.70	405.16	Yes	13.94	393.52	Yes	68.25	1,572.00	Yes
9.57	402.41	Yes	9.29	390.85	Yes	112.25	1,638.25	Yes
15.30	391.85	Yes	14.88	380.69	Yes	61.00	1,553.25	Yes
6.38	331.95	Yes	6.20	322.54	Yes	87.50	1,265.75	Yes
20.40	312.39	Yes	19.85	303.52	Yes	49.50	1,125.25	Yes
19.95	282.38	Yes	19.40	274.33	Yes	35.75	1,011.00	Yes
18.98	251.40	Yes	18.45	244.20	Yes	37.55	848.55	Yes
9.21	231.20	Yes	8.96	224.53	Yes	37.75	886.30	Yes
33.10	225.61	Yes	32.20	219.08	Yes	50.00	916.80	Yes
14.96	212.94	Yes	14.55	206.76	Yes	116.00	921.80	Yes
-	200.63	Yes	-	194.76	Yes	40.00	792.30	Yes
-	162.54	Yes	-	157.72	Yes	10.00	705.55	Yes
-	147.84	Yes	-	143.78	Yes	30.00	667.30	Yes
-	138.27	Yes	-	134.48	Yes	28.00	583.05	Yes
-	122.97	Yes	-	119.60	Yes	43.00	565.05	Yes
-	116.59	Yes	-	113.41	Yes	-	477.55	--
-	96.19	Yes	-	93.56	Yes	-	428.05	--
-	76.24	Yes	-	74.16	Yes	-	392.30	--
-	57.26	Yes	-	55.71	Yes	-	354.75	--
-	48.05	Yes	-	46.75	Yes	-	317.00	--

**MACT PPPP Compliance**

**Owosso Composite, LLC, Owosso, MI**

Year

2021

9/6/2022

Month/Year	General Use Coatings				
	Total HAPs		Solids		Monthly lb HAP/lb Solid
	General Use HAP Emissions (lb/mo)	12-Month Rolling HAP (lb/12-month)	General Use Solids Applied (lb/mo)	12-Month Rolling Solids (lb/12-month)	
Jan-17	-	-	-	-	-
Feb-17	-	-	-	-	-
Mar-17	-	-	-	-	-
Apr-17	-	-	-	-	-
May-17	-	-	-	-	-
Jun-17	-	-	-	-	-
Jul-17	-	-	-	-	-
Aug-17	-	-	-	-	-
Sep-17	-	-	-	-	-
Oct-17	-	-	-	-	-
Nov-17	-	-	-	-	-
Dec-17	-	-	-	-	-
Jan-18	-	-	-	-	-
Feb-18	-	-	-	-	-
Mar-18	-	-	-	-	-
Apr-18	-	-	-	-	-
May-18	-	-	-	-	-
Jun-18	-	-	-	-	-
Jul-18	-	-	-	-	-
Aug-18	-	-	-	-	-
Sep-18	-	-	-	-	-
Oct-18	-	-	-	-	-
Nov-18	-	-	-	-	-
Dec-18	-	-	-	-	-
Jan-19	-	-	-	-	-
Feb-19	-	-	-	-	-
Mar-19	-	-	-	-	-
Apr-19	-	-	-	-	-
May-19	-	-	-	-	-
Jun-19	-	-	-	-	-
Jul-19	-	-	-	-	-
Aug-19	-	-	-	-	-
Sep-19	-	-	-	-	-
Oct-19	-	-	-	-	-
Nov-19	-	-	-	-	-



Dec-19	-	-	-	-	-
Jan-20	-	-	-	-	-
Feb-20	-	-	-	-	-
Mar-20	-	-	-	-	-
Apr-20	-	-	-	-	-
May-20	-	-	-	-	-
Jun-20	-	-	-	-	-
Jul-20	-	-	-	-	-
Aug-20	-	-	-	-	-
Sep-20	-	-	-	-	-
Oct-20	-	-	-	-	-
Nov-20	-	-	-	-	-
Dec-20	-	-	-	-	-
Jan-21	-	-	-	-	-
Feb-21	-	-	-	-	-
Mar-21	-	-	-	-	-
Apr-21	-	-	-	-	-
May-21	-	-	-	-	-
Jun-21	-	-	-	-	-
Jul-21	-	-	-	-	-
Aug-21	-	-	-	-	-
Sep-21	-	-	-	-	-
Oct-21	-	-	-	-	-
Nov-21	-	-	-	-	-
Dec-21	-	-	-	-	-



















**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month Rolling M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month M <sub>R</sub> (Mg)	12-month Rolling PV <sub>R</sub> (kg/Mg)
Jan-19	0.36	1.13	32%	32%	Yes	38.21	885.28	23.81	37.18
Feb-19	1.35	4.23	32%	32%	Yes	142.54	896.99	24.12	37.18
Mar-19	1.45	4.54	32%	32%	Yes	153.13	919.30	24.72	37.18
Apr-19	0.71	2.23	32%	32%	Yes	75.19	863.66	23.23	37.18
May-19	0.67	2.10	32%	32%	Yes	71.00	934.67	25.14	37.18
Jun-19	1.50	4.68	32%	32%	Yes	157.97	1,001.77	26.94	37.18
Jul-19	0.91	2.85	32%	32%	Yes	96.15	1,012.42	27.23	37.18
Aug-19	0.57	1.77	32%	32%	Yes	59.64	947.87	25.49	37.18
Sep-19	0.58	1.83	32%	32%	Yes	61.60	948.66	25.51	37.18
Oct-19	0.21	0.65	32%	32%	Yes	22.02	935.19	25.15	37.18
Nov-19	0.21	0.65	32%	32%	Yes	22.01	936.57	25.19	37.18
Dec-19	0.39	1.23	32%	32%	Yes	41.63	941.09	25.31	37.18
Jan-20	0.83	2.61	32%	32%	Yes	87.97	1,876.13	50.46	37.18
Feb-20	1.88	5.89	32%	32%	Yes	198.61	1,943.91	52.28	37.18
Mar-20	0.68	2.12	32%	32%	Yes	71.50	1,884.59	50.68	37.18
Apr-20	-	-	0%	32%	Yes	-	1,753.76	47.17	37.18
May-20	0.41	1.29	32%	32%	Yes	43.39	1,797.15	48.33	37.18
Jun-20	0.53	1.66	32%	32%	Yes	55.98	1,762.27	47.39	37.18
Jul-20	-	-	0%	32%	Yes	-	1,676.77	45.10	37.18
Aug-20	-	-	0%	32%	Yes	-	1,552.58	41.76	37.18
Sep-20	-	-	0%	32%	Yes	-	1,491.78	40.12	37.18
Oct-20	-	-	0%	32%	Yes	-	1,456.28	39.17	37.18
Nov-20	-	-	0%	32%	Yes	-	1,435.65	38.61	37.18
Dec-20	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Jan-21	0.83	2.61	32%	32%	Yes	87.97	457.45	12.30	37.18
Feb-21	1.88	5.89	32%	32%	Yes	198.61	457.45	12.30	37.18
Mar-21	0.68	2.12	32%	32%	Yes	71.50	457.45	12.30	37.18
Apr-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
May-21	0.41	1.29	32%	32%	Yes	43.39	457.45	12.30	37.18
Jun-21	0.53	1.66	32%	32%	Yes	55.98	457.45	12.30	37.18
Jul-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Aug-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Sep-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Oct-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Nov-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18
Dec-21	-	-	0%	32%	Yes	-	457.45	12.30	37.18

Open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Applicators are non-atomized. Maximum HAP Content of the materials is 32%.

- M<sub>R</sub> = mass of production resin used in past 12 months, megagrams
- M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams
- M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams
- M<sub>TR</sub> = mass of tooling resin in past 12 months, megagrams
- M<sub>TG</sub> = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month Rolling M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month M <sub>R</sub> (Mg)	12-month Rolling PV <sub>R</sub> (kg/Mg)

**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

39%

Month	Tooling Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<39%)	Monthly M <sub>TR</sub> X PV <sub>TR</sub> (kg/Mg)	12-month Rolling M <sub>TR</sub> X PV <sub>TR</sub> (kg/Mg)	12-month M <sub>TR</sub> (Mg)	12-month Rolling PV <sub>TR</sub> (kg/Mg)
Jan-19	-	-	-	--	--	-	-	-	-
Feb-19	-	-	-	--	--	-	-	-	-
Mar-19	-	-	-	--	--	-	-	-	-
Apr-19	-	-	-	--	--	-	-	-	-
May-19	-	-	-	--	--	-	-	-	-
Jun-19	-	-	-	--	--	-	-	-	-
Jul-19	-	-	-	--	--	-	-	-	-
Aug-19	-	-	-	--	--	-	-	-	-
Sep-19	-	-	-	--	--	-	-	-	-
Oct-19	-	-	-	--	--	-	-	-	-
Nov-19	-	-	-	--	--	-	-	-	-
Dec-19	-	-	-	--	--	-	-	-	-
Jan-20	-	-	-	--	--	-	-	-	-
Feb-20	-	-	-	--	--	-	-	-	-
Mar-20	-	-	-	--	--	-	-	-	-
Apr-20	-	-	-	--	--	-	-	-	-
May-20	-	-	-	--	--	-	-	-	-
Jun-20	-	-	-	--	--	-	-	-	-
Jul-20	-	-	-	--	--	-	-	-	-
Aug-20	-	-	-	--	--	-	-	-	-
Sep-20	-	-	-	--	--	-	-	-	-
Oct-20	-	-	-	--	--	-	-	-	-
Nov-20	-	-	-	--	--	-	-	-	-
Dec-20	-	-	-	--	--	-	-	-	-
Jan-21	-	-	-	--	--	-	-	-	-
Feb-21	-	-	-	--	--	-	-	-	-
Mar-21	-	-	-	--	--	-	-	-	-
Apr-21	-	-	-	--	--	-	-	-	-
May-21	-	-	-	--	--	-	-	-	-
Jun-21	-	-	-	--	--	-	-	-	-
Jul-21	-	-	-	--	--	-	-	-	-
Aug-21	-	-	-	--	--	-	-	-	-
Sep-21	-	-	-	--	--	-	-	-	-
Oct-21	-	-	-	--	--	-	-	-	-
Nov-21	-	-	-	--	--	-	-	-	-
Dec-21	-	-	-	--	--	-	-	-	-

M<sub>R</sub> = mass of production resin used in past 12 months, megagrams  
 M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams  
 M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams  
 M<sub>TR</sub> = mass of tooling resin in past 12 months, megagrams  
 M<sub>TG</sub> = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

39%

Tooling Resin									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<39%)	Monthly $M_{TR} \times PV_{TR}$ (kg/Mg)	12-month Rolling $M_{TR} \times PV_{TR}$ (kg/Mg)	12-month $M_{TR}$ (Mg)	12-month Rolling $PV_{TR}$ (kg/Mg)

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month Rolling M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month M <sub>PG</sub> (Mg)	12-month Rolling PV <sub>PG</sub> (kg/Mg)
Jan-19	0.34	0.96	36%	36%	See Total	154.71	1,538.05	8.48	181.27
Feb-19	0.21	0.59	35%	36%	See Total	93.90	1,477.35	8.12	181.86
Mar-19	0.26	0.72	36%	36%	See Total	115.03	1,437.80	7.88	182.54
Apr-19	0.10	0.27	37%	36%	See Total	46.40	1,329.60	7.23	184.00
May-19	0.26	0.71	36%	36%	See Total	117.93	1,447.53	7.87	183.96
Jun-19	0.33	0.95	35%	36%	See Total	148.39	1,456.59	7.98	182.61
Jul-19	0.47	1.27	37%	36%	See Total	218.96	1,555.16	8.48	183.49
Aug-19	0.63	1.68	37%	37%	See Total	292.48	1,619.97	8.76	184.87
Sep-19	0.39	1.05	38%	37%	See Total	183.53	1,602.16	8.60	186.35
Oct-19	0.22	0.59	37%	36%	See Total	98.86	1,486.79	8.06	184.41
Nov-19	0.07	0.19	37%	36%	See Total	31.58	1,505.22	8.16	184.41
Dec-19	0.22	0.61	37%	37%	See Total	102.47	1,604.23	8.70	184.48
Jan-20	0.23	0.65	36%	36%	See Total	105.66	3,093.23	16.89	183.09
Feb-20	1.10	3.08	36%	36%	See Total	496.06	3,434.70	18.79	182.80
Mar-20	0.16	0.46	36%	36%	See Total	74.47	3,354.58	18.31	183.23
Apr-20	-	-	0%	36%	See Total	-	3,199.99	17.41	183.80
May-20	0.06	0.17	37%	36%	See Total	29.06	3,229.05	17.56	183.84
Jun-20	0.22	0.60	36%	36%	See Total	98.98	3,188.71	17.35	183.74
Jul-20	0.23	0.63	37%	36%	See Total	108.82	3,177.14	17.28	183.91
Aug-20	0.21	0.60	35%	36%	See Total	94.18	3,043.65	16.58	183.56
Sep-20	0.25	0.72	35%	36%	See Total	114.01	2,956.32	16.12	183.41
Oct-20	0.03	0.08	35%	36%	See Total	12.36	2,754.44	15.12	182.16
Nov-20	0.15	0.43	36%	36%	See Total	69.69	2,810.99	15.44	182.00
Dec-20	0.47	1.23	38%	36%	See Total	223.62	1,426.92	7.84	181.90
Jan-21	0.23	0.65	36%	36%	See Total	105.66	1,426.92	7.84	181.90
Feb-21	1.10	3.08	36%	36%	See Total	496.06	1,426.92	7.84	181.90
Mar-21	0.16	0.46	36%	36%	See Total	74.47	1,426.92	7.84	181.90
Apr-21	-	-	0%	36%	See Total	-	1,426.92	7.84	181.90
May-21	0.06	0.17	37%	36%	See Total	29.06	1,426.92	7.84	181.90
Jun-21	0.22	0.60	36%	36%	See Total	98.98	1,426.92	7.84	181.90
Jul-21	0.23	0.63	37%	36%	See Total	108.82	1,426.92	7.84	181.90
Aug-21	0.21	0.60	35%	36%	See Total	94.18	1,426.92	7.84	181.90
Sep-21	0.25	0.72	35%	36%	See Total	114.01	1,426.92	7.84	181.90
Oct-21	0.03	0.08	35%	36%	See Total	12.36	1,426.92	7.84	181.90
Nov-21	0.15	0.43	36%	36%	See Total	69.69	1,426.92	7.84	181.90
Dec-21	0.47	1.23	38%	36%	See Total	223.62	1,426.92	7.84	181.90

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 39.9%.

- M<sub>R</sub> = mass of production resin used in past 12 months, megagrams
- M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams
- M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams
- M<sub>TR</sub> = mass of tooling resin in past 12 months, megagrams
- M<sub>TG</sub> = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month Rolling $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month $M_{PG}$ (Mg)	12-month Rolling $PV_{PG}$ (kg/Mg)

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

48%

Month	Clear Gel Coat									
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month Rolling M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month M <sub>CG</sub> (Mg)	12-month Rolling PV <sub>CG</sub> (kg/Mg)	
Jan-19	-	-	0%	41%	Yes	-	157.66	0.70	224.61	
Feb-19	0.06	0.14	41%	41%	Yes	28.12	185.78	0.83	224.61	
Mar-19	0.07	0.16	41%	41%	Yes	32.81	218.59	0.97	224.61	
Apr-19	0.07	0.17	41%	41%	Yes	34.64	253.23	1.13	224.61	
May-19	0.09	0.21	41%	41%	Yes	42.18	295.41	1.32	224.61	
Jun-19	0.10	0.24	41%	41%	Yes	49.21	316.50	1.41	224.61	
Jul-19	0.08	0.18	41%	41%	Yes	37.29	335.14	1.49	224.61	
Aug-19	-	-	0%	41%	Yes	-	285.93	1.27	224.61	
Sep-19	0.01	0.02	41%	41%	Yes	3.11	246.86	1.10	224.61	
Oct-19	0.05	0.13	41%	41%	Yes	25.78	256.23	1.14	224.61	
Nov-19	-	-	0%	41%	Yes	-	253.13	1.13	224.61	
Dec-19	0.07	0.16	41%	41%	Yes	32.81	285.93	1.27	224.61	
Jan-20	0.05	0.13	41%	41%	Yes	25.78	469.37	2.09	224.61	
Feb-20	0.11	0.27	41%	41%	Yes	55.93	525.31	2.34	224.61	
Mar-20	0.26	0.64	41%	41%	Yes	130.66	655.96	2.92	224.61	
Apr-20	-	-	0%	41%	Yes	-	655.96	2.92	224.61	
May-20	0.04	0.09	41%	41%	Yes	18.75	674.71	3.00	224.61	
Jun-20	0.04	0.09	41%	41%	Yes	18.75	665.34	2.96	224.61	
Jul-20	0.08	0.18	41%	41%	Yes	37.49	684.19	3.05	224.61	
Aug-20	0.03	0.07	41%	41%	Yes	14.06	649.04	2.89	224.61	
Sep-20	-	-	0%	41%	Yes	-	606.86	2.70	224.61	
Oct-20	-	-	0%	41%	Yes	-	590.45	2.63	224.61	
Nov-20	-	-	0%	41%	Yes	-	587.35	2.61	224.61	
Dec-20	-	-	0%	41%	Yes	-	301.41	1.34	224.61	
Jan-21	0.05	0.13	41%	41%	Yes	25.78	301.41	1.34	224.61	
Feb-21	0.11	0.27	41%	41%	Yes	55.93	301.41	1.34	224.61	
Mar-21	0.26	0.64	41%	41%	Yes	130.66	301.41	1.34	224.61	
Apr-21	-	-	0%	41%	Yes	-	301.41	1.34	224.61	
May-21	0.04	0.09	41%	41%	Yes	18.75	301.41	1.34	224.61	
Jun-21	0.04	0.09	41%	41%	Yes	18.75	301.41	1.34	224.61	
Jul-21	0.08	0.18	41%	41%	Yes	37.49	301.41	1.34	224.61	
Aug-21	0.03	0.07	41%	41%	Yes	14.06	301.41	1.34	224.61	
Sep-21	-	-	0%	41%	Yes	-	301.41	1.34	224.61	
Oct-21	-	-	0%	41%	Yes	-	301.41	1.34	224.61	
Nov-21	-	-	0%	41%	Yes	-	301.41	1.34	224.61	
Dec-21	-	-	0%	41%	Yes	-	301.41	1.34	224.61	

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 41.1%.

- M<sub>R</sub> = mass of production resin used in past 12 months, megagrams
- M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams
- M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams
- M<sub>TR</sub> = mass of tooling resin in past 12 months, megagrams
- M<sub>TG</sub> = mass of tooling gel coat in past 12 months, megagrams



**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month Rolling $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month $M_{CG}$ (Mg)	12-month Rolling $PV_{CG}$ (kg/Mg)

**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2020

40%

Month	Tooling Gel Coat								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)
Jan-19	-	-	-	--	--	-	-	-	-
Feb-19	-	-	-	--	--	-	-	-	-
Mar-19	-	-	-	--	--	-	-	-	-
Apr-19	-	-	-	--	--	-	-	-	-
May-19	-	-	-	--	--	-	-	-	-
Jun-19	-	-	-	--	--	-	-	-	-
Jul-19	-	-	-	--	--	-	-	-	-
Aug-19	-	-	-	--	--	-	-	-	-
Sep-19	-	-	-	--	--	-	-	-	-
Oct-19	-	-	-	--	--	-	-	-	-
Nov-19	-	-	-	--	--	-	-	-	-
Dec-19	-	-	-	--	--	-	-	-	-
Jan-20	-	-	-	--	--	-	-	-	-
Feb-20	-	-	-	--	--	-	-	-	-
Mar-20	-	-	-	--	--	-	-	-	-
Apr-20	-	-	-	--	--	-	-	-	-
May-20	-	-	-	--	--	-	-	-	-
Jun-20	-	-	-	--	--	-	-	-	-
Jul-20	-	-	-	--	--	-	-	-	-
Aug-20	-	-	-	--	--	-	-	-	-
Sep-20	-	-	-	--	--	-	-	-	-
Oct-20	-	-	-	--	--	-	-	-	-
Nov-20	-	-	-	--	--	-	-	-	-
Dec-20	-	-	-	--	--	-	-	-	-
Jan-21	-	-	-	--	--	-	-	-	-
Feb-21	-	-	-	--	--	-	-	-	-
Mar-21	-	-	-	--	--	-	-	-	-
Apr-21	-	-	-	--	--	-	-	-	-
May-21	-	-	-	--	--	-	-	-	-
Jun-21	-	-	-	--	--	-	-	-	-
Jul-21	-	-	-	--	--	-	-	-	-
Aug-21	-	-	-	--	--	-	-	-	-
Sep-21	-	-	-	--	--	-	-	-	-
Oct-21	-	-	-	--	--	-	-	-	-
Nov-21	-	-	-	--	--	-	-	-	-
Dec-21	-	-	-	--	--	-	-	-	-

$M_R$  = mass of production resin used in past 12 months, megagrams  
 $M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams  
 $M_{CG}$  = mass of clear gel coat in past 12 months, megagrams  
 $M_{TR}$  = mass of tooling resin in past 12 months, megagrams  
 $M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2020

40%

Tooling Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

Total Organic HAP Emissions								
Month	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?
Jan-19	38.21	154.71	-	192.92	2,580.96	2,580.98	2,648.57	Yes
Feb-19	142.54	122.02	-	264.56	2,560.10	2,560.13	2,642.06	Yes
Mar-19	153.13	147.84	-	300.97	2,575.66	2,575.69	2,672.89	Yes
Apr-19	75.19	81.03	-	156.22	2,446.47	2,446.49	2,545.51	Yes
May-19	71.00	160.10	-	231.11	2,677.58	2,677.60	2,790.13	Yes
Jun-19	157.97	197.59	-	355.56	2,774.83	2,774.86	2,917.60	Yes
Jul-19	96.15	256.25	-	352.40	2,902.69	2,902.72	3,034.26	Yes
Aug-19	59.64	292.47	-	352.11	2,853.75	2,853.78	2,936.35	Yes
Sep-19	61.60	186.63	-	248.23	2,797.65	2,797.68	2,860.42	Yes
Oct-19	22.02	124.64	-	146.66	2,678.18	2,678.21	2,770.83	Yes
Nov-19	22.01	31.58	-	53.59	2,694.89	2,694.91	2,784.38	Yes
Dec-19	41.63	135.28	-	176.91	2,831.23	2,831.26	2,917.32	Yes
Jan-20	87.97	131.44	-	219.41	5,438.68	5,438.73	5,615.29	Yes
Feb-20	198.60	551.99	-	750.60	5,903.86	5,903.92	6,072.91	Yes
Mar-20	71.50	205.12	-	276.62	5,895.07	5,895.13	6,092.27	Yes
Apr-20	-	-	-	-	5,609.66	5,609.71	5,787.63	Yes
May-20	43.39	47.81	-	91.20	5,700.86	5,700.91	5,890.12	Yes
Jun-20	55.98	117.73	-	173.71	5,616.26	5,616.31	5,801.50	Yes
Jul-20	-	146.31	-	146.31	5,538.04	5,538.09	5,707.64	Yes
Aug-20	-	108.24	-	108.24	5,245.22	5,245.27	5,398.07	Yes
Sep-20	-	114.01	-	114.01	5,054.90	5,054.95	5,194.62	Yes
Oct-20	-	12.36	-	12.36	4,801.13	4,801.18	4,970.83	Yes
Nov-20	-	69.69	-	69.69	4,833.94	4,833.99	4,992.78	Yes
Dec-20	-	223.61	-	223.61	2,185.76	2,185.78	2,203.71	Yes
Jan-21	87.97	131.44	-	219.41	2,185.76	2,185.78	2,203.71	Yes
Feb-21	198.60	551.99	-	750.60	2,185.76	2,185.78	2,203.71	Yes
Mar-21	71.50	205.12	-	276.62	2,185.76	2,185.78	2,203.71	Yes
Apr-21	-	-	-	-	2,185.76	2,185.78	2,203.71	Yes
May-21	43.39	47.81	-	91.20	2,185.76	2,185.78	2,203.71	Yes
Jun-21	55.98	117.73	-	173.71	2,185.76	2,185.78	2,203.71	Yes
Jul-21	-	146.31	-	146.31	2,185.76	2,185.78	2,203.71	Yes
Aug-21	-	108.24	-	108.24	2,185.76	2,185.78	2,203.71	Yes
Sep-21	-	114.01	-	114.01	2,185.76	2,185.78	2,203.71	Yes
Oct-21	-	12.36	-	12.36	2,185.76	2,185.78	2,203.71	Yes
Nov-21	-	69.69	-	69.69	2,185.76	2,185.78	2,203.71	Yes
Dec-21	-	223.61	-	223.61	2,185.76	2,185.78	2,203.71	Yes

$$HAP\ emissions = [(PV_R)(M_R) + (PV_{PG})(M_{PG}) + (PV_{CG})(M_{CG}) + (PV_{TR})(M_{TR}) + (PV_{TG})(M_{TG})] \quad (Eq. 1)$$

$$HAP\ Limit = [46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})] \quad (Eq. 1)$$

M<sub>R</sub> = mass of production resin used in past 12 months, megagrams

M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams

M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

Total Organic HAP Emissions								
Month	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

HAP Limit = total allowable organic HAP that can be emitted from the open molding operations, kilograms

**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Limit (lb/ton)
	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	
Jan-19			88.00	99.48	267.00	5.72	377.00	37.83	522.00	7.74	189.59
Feb-19			88.00	98.59	267.00	5.12	377.00	39.83	522.00	8.47	193.93
Mar-19			88.00	99.77	267.00	4.80	377.00	40.21	522.00	8.76	194.04
Apr-19			88.00	103.31	267.00	4.62	377.00	41.14	522.00	8.72	192.58
May-19			88.00	98.35	267.00	4.06	377.00	39.70	522.00	8.73	193.99
Jun-19			88.00	91.99	267.00	3.29	377.00	38.80	522.00	8.72	197.16
Jul-19			88.00	91.69	267.00	2.78	377.00	37.38	522.00	8.55	194.93
Aug-19			88.00	91.51	267.00	2.34	377.00	35.97	522.00	8.51	192.87
Sep-19			88.00	92.10	267.00	2.04	377.00	34.30	522.00	7.91	188.55
Oct-19			88.00	89.08	267.00	2.75	377.00	33.59	522.00	8.28	191.16
Nov-19			88.00	86.66	267.00	2.34	377.00	33.37	522.00	8.04	191.92
Dec-19			88.00	85.57	267.00	2.16	377.00	31.71	522.00	7.87	189.84
Jan-20			88.00	92.30	267.00	2.61	377.00	33.97	522.00	10.44	196.99
Feb-20			88.00	89.44	267.00	3.06	377.00	35.39	522.00	12.24	205.15
Mar-20			88.00	88.23	267.00	3.21	377.00	32.74	522.00	11.58	198.93
Apr-20			88.00	81.23	267.00	2.93	377.00	29.94	522.00	10.71	198.76
May-20			88.00	77.26	267.00	2.71	377.00	27.31	522.00	10.62	198.16
Jun-20			88.00	76.06	267.00	2.92	377.00	27.30	522.00	10.44	198.90
Jul-20	113.00	3.00	88.00	70.69	267.00	2.90	377.00	27.95	522.00	10.48	202.93
Aug-20	113.00	3.82	88.00	63.28	267.00	2.98	377.00	29.40	522.00	10.90	213.54
Sep-20	113.00	4.64	88.00	56.08	267.00	3.07	377.00	30.85	522.00	10.20	221.62
Oct-20	113.00	4.94	88.00	48.31	267.00	3.31	377.00	31.80	522.00	10.66	234.76
Nov-20	113.00	5.09	88.00	42.71	267.00	2.83	377.00	32.26	522.00	9.70	241.01
Dec-20	113.00	5.67	88.00	37.93	267.00	2.95	377.00	32.59	522.00	10.22	250.53
Jan-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	260.37
Feb-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	260.37
Mar-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Apr-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
May-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Jun-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Jul-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Aug-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Sep-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Oct-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Nov-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99
Dec-21	113.00	5.67	88.00	31.27	267.00	2.54	377.00	30.81	522.00	9.80	258.99

**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Actual HAP Emission Factor (lb/ton)
	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	
Jan-19			68.48	99.48	362.06	5.72	363.05	37.83	441.67	7.74	172.69
Feb-19			68.48	98.59	362.06	5.12	343.84	39.83	413.74	8.47	169.75
Mar-19			68.48	99.77	353.89	4.80	333.27	40.21	396.31	8.76	165.45
Apr-19			68.48	103.31	341.19	4.62	319.92	41.14	384.14	8.72	159.47
May-19			68.48	98.35	338.31	4.06	307.93	39.70	370.30	8.73	156.23
Jun-19			68.48	91.99	323.81	3.29	296.87	38.80	359.45	8.72	154.19
Jul-19			68.48	91.69	316.81	2.78	288.18	37.38	342.60	8.55	148.59
Aug-19			68.48	91.51	307.86	2.34	275.65	35.97	325.96	8.51	142.23
Sep-19			68.48	92.10	298.90	2.04	264.38	34.30	315.73	7.91	135.55
Oct-19			68.48	89.08	280.16	2.75	251.84	33.59	299.91	8.28	133.23
Nov-19			68.48	86.66	260.42	2.34	239.81	33.37	283.72	8.04	129.04
Dec-19			68.48	85.57	225.96	2.16	224.52	31.71	269.34	7.87	122.43
Jan-20			68.48	92.30	319.47	2.61	300.49	33.97	346.15	10.44	151.06
Feb-20			68.48	89.44	311.10	3.06	293.17	35.39	332.37	12.24	154.02
Mar-20			68.48	88.23	305.45	3.21	288.00	32.74	326.46	11.58	149.02
Apr-20			68.48	81.23	300.66	2.93	284.04	29.94	322.34	10.71	147.41
May-20			68.48	77.26	293.28	2.71	276.62	27.31	316.41	10.62	144.20
Jun-20			68.48	76.06	279.60	2.92	269.17	27.30	311.42	10.44	142.44
Jul-20			68.48	70.69	270.43	2.90	262.46	27.95	303.44	10.48	144.09
Aug-20	70.54	3.00	68.48	63.28	262.03	2.98	254.20	29.40	295.09	10.90	146.18
Sep-20	70.55	3.82	68.48	56.08	255.16	3.07	246.64	30.85	289.60	10.20	148.59
Oct-20	70.56	4.64	68.48	48.31	253.79	3.31	239.70	31.80	283.42	10.66	153.15
Nov-20	70.56	4.94	68.48	42.71	241.89	2.83	231.52	32.26	276.04	9.70	152.58
Dec-20	70.56	5.09	68.48	37.93	225.96	2.95	221.80	32.59	269.34	10.22	153.23
Jan-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.31
Feb-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.31
Mar-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Apr-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
May-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Jun-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Jul-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Aug-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Sep-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Oct-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Nov-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17
Dec-21	70.56	5.67	68.48	31.27	225.96	2.54	221.80	30.81	269.34	9.80	157.17

Month	In compliance (< Facility Weighted Average Emission Limit)
Jan-19	compliant
Feb-19	compliant
Mar-19	compliant
Apr-19	compliant
May-19	compliant
Jun-19	compliant
Jul-19	compliant
Aug-19	compliant
Sep-19	compliant
Oct-19	compliant
Nov-19	compliant
Dec-19	compliant
Jan-20	compliant
Feb-20	compliant
Mar-20	compliant
Apr-20	compliant
May-20	compliant
Jun-20	compliant
Jul-20	compliant
Aug-20	compliant
Sep-20	compliant
Oct-20	compliant
Nov-20	compliant
Dec-20	compliant
Jan-21	compliant
Feb-21	compliant
Mar-21	compliant
Apr-21	compliant
May-21	compliant
Jun-21	compliant
Jul-21	compliant
Aug-21	compliant
Sep-21	compliant
Oct-21	compliant
Nov-21	compliant
Dec-21	compliant



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**FGGELCOAT**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**

<b>TC</b>
<b>VOC Emission</b>
<b>HAP I</b>
<b>Styrene E</b>
<b>Styrene</b>

Product Name	Product Name	Type	Boats/Parts
645283	Polycor HAP37 Tan 964NP451	Gelcoat	Parts
645286	Polycor Hap37 Light Gray 964AP416	Gelcoat	Parts
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	Gelcoat	Parts
623680	Polycor 944WP506 Off White	Gelcoat	Boats
622891	Polycor HAP37 Duck Yellow 964YP359	Gelcoat	Boats
37166	Polycor Black 944B025	Gelcoat	Boats
634516	Maxguard IG-LEI-J148A Gelcoat (Light Purple)	Gelcoat	Boats
640894	A-Gray Low VOC Gel Coat B-1536-LNHN	Gelcoat	Parts
640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	Gelcoat	Parts
538937	Polycor Base White 944WJ480	Gelcoat	Parts
671487	Polycor HAP37 CONCH SHELL 964NP555	Gelcoat	Parts
655100	Polycor HAP33 IMPULSE TORRED RED 996RP240	Gelcoat	Boats
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	Gelcoat	Boats
617369	LHB-3815 Black VE Barrier Coat	Gelcoat	Parts
205702	Norox MEKP-9H	Catalyst	Parts
205702	Norox MEKP-9H	Catalyst	Boats
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst	Parts
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst	Boats
538937	Polycor Base White 944WJ480	Gelcoat	Boats
37166	Polycor Black 944B025	Gelcoat	Parts
653519	HAP33 Off White ArmorFlex 99FWP506	Gelcoat	Boats
671486	Polycor HAP37 Buckskin 964NP553	Gelcoat	Parts
659637	Silverado Low VOC Gel Coat B-1679-LNHN	Gelcoat	Parts
106387	Armorcote Green 961GJ117	Gelcoat	Parts
683927	HAP33 Charcoal Armorcote 991AP633	Gelcoat	Parts
683929	HAP33 Browncrest Armorcote 991NP599	Gelcoat	Parts
681060	HAP37 Beige-BC Polycor 964NP589	Gelcoat	Parts
681121	HAP37 Oxford Gray-BC	Gelcoat	Parts
681120	HAP37 French Gray-BC Polycor 964NP590	Gelcoat	Parts
681409	HAP37 DK GRAY 2020	Gelcoat	Parts
557967	Int w419-Luu/CSA White- Tub	Gelcoat	Parts
691773	Vanilla- seats	Gelcoat	Parts
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MACT VVVV
MACT VVVV
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MACT VVVV Pigme
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MACT VVVV Cle
MACT V
MACT VVVV Tool
MACT VV
MACT WW
MACT WWW
MACT W
MACT WW
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MACT WWW
MACT WWWW
MACT WWWW CR/HS or I
MACT WWWW CR/H
MACT WWWW Clear
MACT WWWV

	January-20	February-20	March-20	April-20
<b>TOTAL VOC Emissions (ton)</b>	<b>0.87</b>	<b>1.53</b>	<b>0.58</b>	<b>0.04</b>
<b>Parts PANTS &amp; Catalyst (WWWW) (ton)</b>	<b>0.77</b>	<b>1.10</b>	<b>0.42</b>	<b>0.04</b>
<b>Emissions Boats (VVVV) (kg)</b>	<b>131.44</b>	<b>552.00</b>	<b>205.12</b>	<b>0</b>
<b>Styrene Emissions (ton)</b>	<b>0.57</b>	<b>1.15</b>	<b>0.41</b>	<b>0.03</b>
<b>Emissions PANTS (WWWW) (ton)</b>	<b>0.46</b>	<b>0.69</b>	<b>0.26</b>	<b>0.03</b>
<b>Boat Emissions Boats (VVVV) (ton)</b>	<b>0.11</b>	<b>0.46</b>	<b>0.15</b>	<b>0</b>

Gelcoat Type	On Material Summ	Units	January-20	February-20	March-20	April-20
Pigmented Gelcoat	YES	lb	591.50	2,261.88	410.00	
Pigmented Gelcoat	YES	lb	2,588.09	4,231.03	2,544.27	
Clear production gelcoat	YES	lb	5,139.11	5,228.37	1,282.44	
White/off white Gelcoat	YES	lb	1,052.00	5,068.00	439.00	
Pigmented Gelcoat	YES	lb	110.50	300.80	-	
Pigmented Gelcoat	YES	lb	132.00	240.00	-	
Pigmented Gelcoat	YES	lb	-	-	-	
Pigmented Gelcoat	YES	lb	40.00	120.00	120.00	
Pigmented Gelcoat	YES	lb	-	120.00	129.00	
White/off white Gelcoat	YES	lb	886.57	914.91	302.68	
Pigmented Gelcoat	YES	lb	15.00	-	-	
Pigmented Gelcoat	YES	lb	-	-	-	
Clear production gelcoat	YES	lb	253.00	549.00	1,282.44	
Pigmented Gelcoat	YES	lb	-	-	-	
0	YES	lb	-	-	-	
0	YES	lb	-	-	-	
0	YES	lb	210.97	311.44	-	
0	YES	lb	54.71	117.00	-	
White/off white Gelcoat	YES	lb	-	549.00	480.00	
Pigmented Gelcoat	YES	lb	-	1,492.00	-	
White/off white Gelcoat	YES	lb	-	-	-	
Pigmented Gelcoat	YES	lb	84.00	60.00	72.00	
Pigmented Gelcoat	YES	lb	-	-	-	
Pigmented Gelcoat	YES	lb	-	-	-	
Pigmented Gelcoat	YES	lb	544.13	546.84	794.02	
Pigmented Gelcoat	YES	lb	69.52	247.15	-	
Pigmented Gelcoat	YES	lb	115.20	75.00	47.00	
Pigmented Gelcoat	YES	lb	244.80	75.00	117.50	
Pigmented Gelcoat	YES	lb	230.40	200.00	188.00	
Pigmented Gelcoat	YES	lb	-	-	-	
Pigmented Gelcoat	YES	lb	-	-	200.00	275.00
Pigmented Gelcoat	YES	lb	-	-	-	582.00
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<b>Total Organic HAP Emissions (ton)</b>	<b>0.14</b>	<b>0.61</b>	<b>0.23</b>	<b>0</b>
<b>(M X PV<sub>PG</sub>) Pigmented Gelcoat (kg)</b>	<b>105.66</b>	<b>496.06</b>	<b>74.47</b>	<b>0</b>
<b>VV (M X PV<sub>CG</sub>) Clear Gelcoat (kg)</b>	<b>25.776</b>	<b>55.933</b>	<b>130.658</b>	<b>0</b>
<b>/V(M X PV<sub>TG</sub>) Tooling Gelcoat (kg)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>ented Organic HAP Material Content (ton)</b>	<b>0.23</b>	<b>1.10</b>	<b>0.16</b>	<b>0</b>
<b>V Pigmented Material Usage (ton)</b>	<b>0.65</b>	<b>3.08</b>	<b>0.46</b>	<b>0</b>
<b>ar Organic HAP Material Content (ton)</b>	<b>0.05</b>	<b>0.11</b>	<b>0.26</b>	<b>0</b>
<b>VVV Clear Material Usage (ton)</b>	<b>0.13</b>	<b>0.27</b>	<b>0.64</b>	<b>0</b>
<b>ling Organic HAP Material Content (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VV Tooling Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>WW Pigmented Organic HAP (lb)</b>	<b>511.12</b>	<b>1,097.68</b>	<b>515.51</b>	<b>78.07</b>
<b>/W Pigmented Material Usage (ton)</b>	<b>2.26</b>	<b>4.71</b>	<b>2.31</b>	<b>0.43</b>
<b>WWW Tooling Organic HAP (lb)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>WW Tooling Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>W White/Offwhite Organic HAP (lb)</b>	<b>100.16</b>	<b>103.36</b>	<b>34.20</b>	<b>0</b>
<b>White/Offwhite Material Usage (ton)</b>	<b>0.44</b>	<b>0.46</b>	<b>0.15</b>	<b>0</b>
<b>/W Fire Retardent Organic HAP (lb)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>V Fire Retardent Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>High performance Organic HAP Material Content</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>S or High performance Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Gel Coat Organic HAP Material Content (lb)</b>	<b>692.07</b>	<b>704.10</b>	<b>172.70</b>	<b>0</b>
<b>V Clear Gel coat Material Usage (ton)</b>	<b>2.57</b>	<b>2.61</b>	<b>0.64</b>	<b>0</b>



12            13            14            15            16            17            18

May-20	June-20	July-20	August-20	September-20	October-20	November-20
0.28	0.50	0.55	0.59	0.57	0.45	0.42
0.25	0.41	0.44	0.50	0.48	0.44	0.37
47.81	117.73	146.31	108.24	114.01	12.36	69.69
0.19	0.37	0.41	0.41	0.44	0.30	0.33
0.15	0.27	0.29	0.32	0.34	0.29	0.27
0.04	0.10	0.12	0.09	0.10	0.01	0.06

May-20	June-20	July-20	August-20	September-20	October-20	November-20
445.50	445.50	849.00	755.90	836.00	769.23	755.90
901.48	2,089.61	4,289.60	2,724.00	3,475.96	2,817.45	2,724.40
903.09	903.09	1,041.16	2,168.46	-	931.88	
122.00	418.03	512.00	344.50	1,439.30	156.00	612.00
-		377.60	-	-	-	70.50
96.00	96.00	368.00	110.50	-	-	70.50
		-	-	-	-	40.00
83.00	83.00	78.00	-	177.00	173.00	-
46.00	46.00	68.00	160.00	224.00	198.00	64.00
418.03	418.03	377.80	162.00	203.00	503.22	446.51
		24.32	181.53	24.32		446.51
		-	32.00	-		-
184.00	184.00	368.00	138.00	-		-
		-		-		1,351.74
			-	-		-
		159.69	166.25	184.00	133.74	267.48
		32.51	9.19	28.79		17.38
122.00	684.00		4.35			
96.00	1,151.71			1,480.86	918.23	144.00
			712.00	-		76.00
24.00	24.00		120.00	-		
			-	120.00		-
			-	-		-
281.87	281.87		-	-		-
170.28	170.28		165.40	-		-
			70.50	-		-
			127.50	164.50		100.00
				70.50		150.00
				117.50		
367.00	917.00		408.00	408.00		220.00
			387.20	387.20	220.00	284.00




0.05	0.13	0.16	0.12	0.13	0.01	0.08
29.06	98.98	108.82	94.18	114.01	12.36	69.69
18.746	18.746	37.493	14.060	0	0	0
0	0	0	0	0	0	0
0.06	0.22	0.23	0.21	0.25	0.03	0.15
0.17	0.60	0.63	0.60	0.72	0.08	0.43
0.04	0.04	0.08	0.03	0	0	0
0.09	0.09	0.18	0.07	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
255.14	554.62	603.06	556.81	854.99	600.48	616.25
1.21	2.60	2.65	2.55	3.74	2.55	3.12
0	0	0	0	0	0	0
0	0	0	0	0	0	0
47.23	47.23	42.68	18.30	22.93	56.85	50.45
0.21	0.21	0.19	0.08	0.10	0.25	0.22
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
121.62	121.62	140.21	292.02	0	125.49	0
0.45	0.45	0.52	1.08	0	0.47	0

19 20 References

lb Boats  
gal Parts

December-20	Total
0.68	7.08
0.52	
223.62	
0.52	5.13
0.34	
0.19	

14,156.82

SC VI.3.a

51.67

SC VI.3.b

SC VI.3.c

SC VI.3.d

December-20	Total Usage 2020
917.00	9,037.41
3,010.30	31,396.19
1,997.20	19,594.80
	10,162.83
	859.40
1,781.67	2,894.67
	40.00
60.00	934.00
96.00	1,151.00
437.76	5,070.51
437.60	1,129.28
15.00	47.00
-	2,958.44
-	1,351.74
-	-
-	-
170.74	1,604.31
35.63	295.21
	1,839.35
-	5,282.80
663.00	1,451.00
183.00	567.00
60.00	180.00
-	-
-	2,448.73
-	822.63
-	307.70
25.00	854.30
25.00	863.90
75.00	192.50
288.00	3,083.00
153.00	2,013.40
	-

	Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)
35.8%	10.27	30.8%	5.0%	36.8%	36.8%
35.1%	10.71	30.1%	5.0%	36.1%	36.1%
	9.00	31.1%	10.0%	41.1%	41.1%
35.4%	10.93	30.4%	5.0%	35.4%	35.4%
36.2%	10.37	31.2%	5.0%	37.2%	37.2%
38.9%	10.16	33.9%	5.0%	39.9%	39.9%
31.4%	9.00	28.7%	2.8%	31.4%	31.4%
40.0%	10.51	30.0%	10.0%	40.0%	40.0%
45.0%	11.68	40.0%	5.0%	45.0%	45.0%
35.3%	10.93	30.3%	5.0%	36.3%	36.3%
36.3%	10.54	31.3%	5.0%	36.3%	36.3%
34.7%	10.41	29.7%	5.0%	35.7%	34.7%
	9.00	31.1%	10.0%	41.1%	41.1%
29.0%	10.09	29.0%	0	29.0%	29.0%
0.0%	9.18	0	0	5.0%	0
0.0%	9.18	0	0	5.0%	0
0.0%	8.41	0	0	2.0%	0
0.0%	8.41	0	0	2.0%	0
35.3%	10.93	30.3%	5.0%	36.3%	36.3%
38.9%	10.16	33.9%	5.0%	39.9%	39.9%
33.2%	11.27	28.2%	5.0%	35.2%	34.2%
36.7%	10.51	31.7%	5.0%	36.7%	36.7%
34.0%	10.51	29.0%	5.0%	34.4%	34.0%
34.1%	10.43	24.1%	10.0%	35.1%	34.1%
35.7%	10.32	25.7%	10.0%	36.7%	35.7%
35.7%	10.32	25.7%	10.0%	36.7%	35.7%
36.4%	10.53	31.4%	5.0%	36.4%	36.4%
36.8%	10.49	31.8%	5.0%	36.8%	36.8%
36.9%	10.48	31.9%	5.0%	36.9%	36.9%
36.4%	10.44	31.4%	5.0%	36.4%	36.4%
	11.34	29.0%	0	29.4%	29.0%
	10.91	30.4%	5.0%	35.4%	35.4%
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CHECK

<b>0.25</b>	<b>1.91</b>
<b>223.62</b>	<b>1,426.92</b>
<b>0</b>	<b>301.41</b>
<b>0</b>	<b>0</b>
<b>0.47</b>	<b>3.13</b>
<b>1.23</b>	<b>8.65</b>
<b>0</b>	<b>0.61</b>
<b>0</b>	<b>1.48</b>
<b>0</b>	<b>0</b>
<b>0</b>	<b>0</b>
<b>589.37</b>	<b>6,833.09</b>
<b>2.66</b>	<b>30.81</b>
<b>0</b>	<b>0</b>
<b>0</b>	<b>0</b>
<b>49.46</b>	<b>572.85</b>
<b>0.22</b>	<b>2.54</b>
<b>0</b>	<b>0</b>
<b>0</b>	<b>0</b>
<b>0</b>	<b>0</b>
<b>0</b>	<b>0</b>
<b>268.96</b>	<b>2,638.80</b>
<b>1.00</b>	<b>9.80</b>

1.91

CHECK

HAP Emissions tons

3.42

0

0.29

0

0

1.32

TOTAL

6.93





	VVVV Limit	PTI Styrene	PTI MMA L
Tooling Gelcoat	40%	43%	5%
White/off white Gelcoat	33%	31%	5%
Pigmented Gelcoat	33%	40%	10%
Clear Gelcoat		32%	10%
CR/HS or high performance Gelcoat		33%	10%
Fire retardent gelcoat		33%	10%
Clear production gelcoat	48%	33%	10%

**SC VI.3.e SC VI.3.e**

VVVV HAP Emission Factor PVi (kg/Mg)	VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton	Boats	VVVV Pigmented Gelcoat
186.70	138.57	230.64	176.57	251.57	4.54E-04	0.0005	-	1.00
181.13	133.64	224.69	170.62	245.62	4.54E-04	0.0005	-	1.00
224.61	140.79	269.34	179.22	329.22	4.54E-04	0.0005	-	-
174.63	135.27	217.66	172.60	247.60	4.54E-04	0.0005	1.00	1.00
190.20	141.68	234.34	180.26	255.26	4.54E-04	0.0005	1.00	1.00
213.79	162.72	258.58	204.51	279.51	4.54E-04	0.0005	1.00	1.00
143.35	122.83	116.29	106.04	147.59	4.54E-04	0.0005	1.00	1.00
214.69	132.60	259.48	169.36	319.36	4.54E-04	0.0005	-	1.00
261.51	214.69	304.54	259.48	334.48	4.54E-04	0.0005	-	1.00
182.31	134.68	225.96	171.88	246.88	4.54E-04	0.0005	-	1.00
182.56	142.44	226.23	181.17	256.17	4.54E-04	0.0005	-	1.00
169.53	130.68	212.08	167.02	262.02	4.54E-04	0.0005	1.00	1.00
224.61	140.79	269.34	179.22	329.22	4.54E-04	0.0005	1.00	-
125.28	125.28	107.30	107.30	107.30	4.54E-04	0.0005	-	1.00
--	--	--	--	100.00	4.54E-04	0.0005	-	-
--	--	--	--	100.00	4.54E-04	0.0005	1.00	-
--	--	--	--	40.00	4.54E-04	0.0005	-	-
--	--	--	--	40.00	4.54E-04	0.0005	1.00	-
182.31	134.68	225.96	171.88	246.88	4.54E-04	0.0005	1.00	1.00
213.79	162.72	258.58	204.51	279.51	4.54E-04	0.0005	-	1.00
165.22	119.61	207.30	153.23	248.23	4.54E-04	0.0005	1.00	1.00
185.52	145.12	229.38	184.32	259.32	4.54E-04	0.0005	-	1.00
163.53	125.28	205.41	160.35	243.35	4.54E-04	0.0005	-	1.00
164.41	91.95	206.40	116.28	286.28	4.54E-04	0.0005	-	1.00
177.20	102.13	220.46	130.34	300.34	4.54E-04	0.0005	-	1.00
177.37	102.26	220.64	130.52	300.52	4.54E-04	0.0005	-	1.00
182.98	142.82	226.68	181.62	256.62	4.54E-04	0.0005	-	1.00
186.62	146.12	230.55	185.49	260.49	4.54E-04	0.0005	-	1.00
187.81	147.20	231.81	186.75	261.75	4.54E-04	0.0005	-	1.00
182.90	142.74	226.59	181.53	256.53	4.54E-04	0.0005	-	1.00
125.28	125.28	107.30	107.30	115.30	4.54E-04	0.0005	-	1.00
174.55	135.20	217.57	172.51	247.51	4.54E-04	0.0005	-	1.00
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WWWW Limit (lb/ton)

440  
267  
377

605  
854  
522

WWWW		White/off Pigmente				Fire		Parts & Catalysts	
White	d	Clear	Tooling	CR/HS	Retardent	Parts	Parts & Catalysts		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	-	1.00	-	-	-	1.00	1		
1.00	-	-	-	-	-	-	0		
-	1.00	-	-	-	-	-	0		
-	1.00	-	-	-	-	-	0		
-	1.00	-	-	-	-	-	0		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
1.00	-	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	-	0		
-	-	1.00	-	-	-	-	0		
-	1.00	-	-	-	-	1.00	1		
-	-	-	-	-	-	1.00	1		
-	-	-	-	-	-	-	0		
-	-	-	-	-	-	1.00	1		
-	-	-	-	-	-	-	0		
1.00	-	-	-	-	-	-	0		
-	1.00	-	-	-	-	1.00	1		
1.00	-	-	-	-	-	-	0		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
-	1.00	-	-	-	-	1.00	1		
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FGOPENMOLDING  
Owosso Composite, LLC, Owosso, MI

YEAR	January-20	February-20	March-20	April-20	May-20	June-20	July-20	August-20	September-20	October-20	November-20	December-20	Total
VOC Emissions (ton)	0.34	0.45	0.34	0.03	0.28	0.33	0.06	0.06	0.06	0.02	0.01	0.04	2.01
VOC Emissions PARTS & Catalyst (WWWWW) (ton)	0.25	0.25	0.27	0.03	0.23	0.27	0.06	0.06	0.06	0.02	0.01	0.04	1.55
VOC Emissions Boats (VVVVV) (ton)	87.97	0.22	0.08	0	0.05	0.06	0	0	0	0	0	0	88.38
Styrene Emissions (ton)	0.33	0.45	0.31	0.02	0.25	0.29	0.03	0.03	0.03	0.01	0.01	0.02	1.78
Styrene Emissions PARTS (WWWWW) (ton)	0.23	0.23	0.23	0.02	0.20	0.23	0.03	0.03	0.03	0.01	0.01	0.02	1.27
Styrene Emissions Boats (VVVVV) (ton)	0.10	0.22	0.08	0	0.05	0.06	0	0	0	0	0	0	0.50

Product Name	Product Name	Type	Boats/Parts	Resin Type	On Material Summ	Units	January-20	February-20	March-20	April-20	May-20	June-20	July-20	August-20	September-20	October-20	November-20	December-20	Total Usage 2020
615965	ADC HB84-IVA-20	Resin	Parts	Non CR/HS Resin	YES	lb	13,463.86	13,478.42	12,865.70		10,949.42	11,785.87							62,543.27
615965	ADC HB84-IVA-20	Resin	Boats	Non CR/HS Resin	YES	lb	5,216.10	11,775.60	4,239.20		2,572.90	3,319.21							27,123.01
539089	Norox MCP-75-FRED	Catalyst	Parts	0	YES	lb	235.62	235.88	253.71		218.99	235.72							1,179.92
539089	Norox MCP-75-FRED	Catalyst	Boats	0	YES	lb	91.29	206.00	84.29		51.46	66.38							499.91
A	pcu 33234-24 low styrene resin	Resin		CR/HS Resin	YES	lb			825.80	750.00	925.00	1,653.00	1,632.00	1,632.00	616.00	300.80	1,152.00		11,139.60
B	Dion FR 7704-00 poly-resin- tubs	Resin	Parts	CR/HS Resin	YES	lb			200.00										200.00
539089	Norox MCP-75-FRED	Catalyst	Parts	0	YES	lb			12.38	11.25	13.88	24.80	33.06	28.56	28.56	10.78	5.26	20.16	158.70

Parts gal  
CI  
Non CI  
Tox  
Low-flame spread/ft  
Shrinkage contr

Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VWV HAP Emission Factor PVI (kg/Mg)	WWW Styrene Emission Factor PVI (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWWW Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to kg	Conversion lb to ton
9.17	32.0%	0	32.0%	32.0%	37.18	37.18	68.48	68.48	68.48	4.54E-04	0.0005
9.17	32.0%	0	32.0%	32.0%	37.18	37.18	68.48	68.48	68.48	4.54E-04	0.0005
8.35	0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04	0.0005
8.35	0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04	0.0005
9.34	33.0%	0	36.3%	33.0%	39.88	39.88	70.62	70.62	135.62	4.54E-04	0.0005
10.51	31.5%	0	32.0%	31.5%	35.87	35.87	67.41	67.41	77.41	4.54E-04	0.0005
8.35	0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04	0.0005



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**EUFOAM**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**

	HAP Emi:
	VOC Em
	Styrene Em

Product Name	Product Name	Type	Boats/Parts
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	Catalyst	Boats
E13	Foam a	0	Boats
E13.1	Foam b	0	Boats
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<b>MACT VVVV To</b>
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<b>MACT VVVV</b>
<b>MACT VVVV Product</b>
<b>MACT VVVV Prod</b>
<b>MACT VVVV Toolin</b>
<b>MACT VVVV To</b>
<b>To</b>

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	January-20	February-20	March-20	April-20	May-20
AP Emissions (ton)	0	0	0	0	0
issions Boats (VVVV) (ton)	0	0	0	0	0
/OC Emissions (lb)	3.00	6.97	2.40	0.60	1.80
issions Boats (VVVV) (lb)	3.00	6.97	2.40	0.60	1.80
rene Emissions (ton)	0	0	0	0	0
issions Boats (VVVV) (ton)	0	0	0	0	0

Resin Type	On Material Summ	Units	January-20	February-20	March-20	April-20	May-20
0	YES	lb	50.00	116.00	40.00	10.00	30.00
0	YES	lb					
0	YES	lb					
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<b>Total Organic HAP Emissions (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(M X PV<sub>R</sub>) Production Resin (kg)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(M X PV<sub>TR</sub>) Tooling Resin (kg)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Production Resin HAP Material Content (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Production Resin Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tooling Resin HAP Material Content (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tooling Resin Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Foam Usage (lb)</b>	<b>50.00</b>	<b>116.00</b>	<b>40.00</b>	<b>10.00</b>	<b>30.00</b>






0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
28.00	43.00	-	-	-	-	-

20 References

Boats lb  
Parts gal

<b>Total</b>
0
0
<b>257.63</b>
<b>257.63</b>
0
0

- 0

SC II.1  
32%

SC VI.3.a

SC VI.3.b

SC VI.3.c

Total Usage 2020	Density (lb/gal)	SC VI.3.b			Organic	VVVV HAP Emission Factor PVi (kg/Mg)
		Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	HAP Content (wt%)	
317.00	10.18	0	0	6.0%	0	--
2,774.25	10.26	0	0	1.6%	60.0%	--
2,774.25	9.17	0	0	7.0%	0	--
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WWWW Limit (lb/ton)

254  
88  
113  
497

354

Productio n Resin	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low- smoke	Shrinkage controlled resin Parts	Parts & Catalysts
-	-	-	-	-	-	1
-	-	-	-	-	-	0
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<b>MACT VVVV Total Organic HAP Er</b>
<b>MACT VVVV (M X PVR) Producti</b>
<b>MACT VVVV (M X PVTR) Toolin</b>
<b>MACT VVVV Production Resin HAP Ma</b>
<b>MACT VVVV Production Resin Mate</b>
<b>MACT VVVV Tooling Resin HAP Mate</b>
<b>MACT VVVV Tooling Resin Materi</b>
<b>MACT WWWW CR/HS Resin</b>
<b>MACT WWWW CR/HS Resin Mater</b>
<b>MACT WWWW Non CR/HS Res</b>
<b>MACT WWWW Non CR/HS Resin Ma</b>
<b>MACT WWWW Tooling Resin</b>
<b>MACT WWWW Tooling Resin Mate</b>
<b>MACT WWWW Low-flame/low-sr</b>
<b>MACT WWWW low flame/low smoke R</b>
<b>MACT WWWW Shrinkage Controlled F</b>
<b>MACT WWWW Shrinkage Controlled R</b>

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	January-20	February-20	March-20	April-20	May-20	June-20	July-20
	3.75	2.91	1.10	0	21.27	32.96	19.28
(WWWW) (lb)	3.75	2.91	1.10	0	21.27	32.96	19.28
V) (kg)	0	0	0	0	0	0	0
	3.74	2.90	1.10	0	21.24	32.92	19.25
'WW) (ton)	0.02	0.02	0.01	0	0.13	0.20	0.11
VV) (ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-20	February-20	March-20	April-20	May-20	June-20	July-20
YES	lb							
YES	lb							
YES	lb							
YES	lb	18.68	14.50	5.50		6.48	15.66	17.50
YES	lb	934.00	725.00	275.00	-	324.00	783.00	875.00
YES	lb					4,590.00	6,855.00	3,625.00
YES	lb					91.80	137.10	72.50
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missions (ton)	0	0	0	0	0	0	0	0
on Resin (kg)	0	0	0	0	0	0	0	0
g Resin (kg)	0	0	0	0	0	0	0	0
terial Content (ton)	0	0	0	0	0	0	0	0
erial Usage (ton)	-	-	-	-	-	-	-	-
rial Content (ton)	0	0	0	0	0	0	0	0
al Usage (ton)	-	-	-	-	-	-	-	-
HAP (lb)	0	0	0	0	0	0	0	0
rial Usage (ton)	-	-	-	-	-	-	-	-
in HAP (lb)	0	0	0	0	0	0	0	0
terial Usage (ton)	-	-	-	-	-	-	-	-
HAP (lb)	0	0	0	0	0	0	0	0
rial Usage (ton)	-	-	-	-	-	-	-	-
noke HAP (lb)	0	0	0	0	0	0	0	0
resin Material Usage	-	-	-	-	-	-	-	-
resin HAP Material	0	0	0	0	0	0	0	0
resin Material Usage	-	-	-	-	-	-	-	-

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References

August-20	September-20	October-20	November-20	December-20	Total
20.49	26.66	21.05	20.35	16.26	186.06
20.49	26.66	21.05	20.35	16.26	186.06
0	0	0	0	0	0
20.47	26.63	21.02	20.33	16.24	185.84
0.12	0.16	0.12	0.12	0.10	1.10
0	0	0	0	0	0

SC VI.3.a

August-20	September-20	October-20	November-20	December-20	Total Usage 2020	
					-	-
					-	-
					-	-
19.60	20.20	18.46	15.00	17.90	169.48	0.08
980.00	1,010.00	923.00	750.00	895.00	8,474.00	33.90
3,808.00	5,196.80	3,987.20	3,987.00	2,912.00	34,961.00	
76.16	103.94	79.94	79.94	58.24	699.62	
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-	-	-	-	-	0
0	0	0	0	0	0
-	-	-	-	-	0
0	0	0	0	0	0
-	-	-	-	-	0
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-	-	-	-	-	0
0	0	0	0	0	0
-	-	-	-	-	0

Parts lb  
Boats gal

44.5%

SC II.1

SC VI.3.b

Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VVVV HAP Emission Factor PVi (kg/Mg)	VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)
8.35	0	0	10.0%	10.0%	--	--	--	--
8.41	0	0	2.0%	0	--	--	--	--
9.18	0	0	5.0%	0	--	--	--	--
9.17	0	0	5.0%	0	--	--	--	--
9.09	40.0%	0	40.0%	40.0%	61.78	61.78	92.60	92.60
9.07	43.5%	0	43.5%	43.5%	74.61	74.61	103.46	103.46
8.41	0	0	2.0%	0	--	--	--	--
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	VVVV Limit	Styrene Lin	WWWW Limit (lb/ton)
white	33%	31%	267
Pigmented	33%	33%	377
Clear	48%	33%	522

SC VI.3.c

VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton	Boats	Parts	Production CR/HS	Resi Non CR/HS
0.01	200.00	0.00	0.0005	-	-	-	-
0.01	40.00	0.00	0.0005	-	-	-	-
0.01	100.00	0.00	0.0005	-	-	-	-
0.01	100.00	0.00	0.0005	-	1.00	-	-
0.01	800.00	0.00	0.0005	-	1.00	-	-
0.01	869.20	0.00	0.0005	-	1.00	-	-
0.01	40.00	0.00	0.0005	-	1.00	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
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--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
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	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resi	0.39	254
Non CR/HS	0.35	88
Tooling Res	0.35	113
Low-flame	0.35	497
Shrinkage c	0.35	354

Tooling Res: Low-flame Shrinkage controlled r Parts & Catalysts

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-	-	-	1.00
-	-	-	-
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**EUBLADES**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**


Product Number	Product Name	Type
38101	Hetron 197 P Resin	Resin
38307	Hetron FR 992	Resin
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst
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MACT WW
MACT WWW
MACT WV

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	January-20	February-20	March-20	April-20
VOC Emissions (lb)	33.10	14.96	0	0
Styrene Emissions (lb)	32.20	14.55	0	0

Resin Type	On Material Summ	Units	January-20	February-20	March-20	April-20
Low-flame spread/low-smoke	YES	lb	49.68	19.64		
Low-flame spread/low-smoke	YES	lb	258.16	119.86		
0	YES	lb	6.16	2.40		
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MACT WWWW CR/HS Resin HAP (lb)	0	0	0	0		
MACT WWWW CR/HS Resin Material Usage (ton)	-	-	-	-		
MACT WWWW Non CR/HS Resin HAP (lb)	0	0	0	0		
MACT WWWW Non CR/HS Resin Material Usage (ton)	-	-	-	-		
MACT WWWW Tooling Resin HAP (lb)	0	0	0	0		
MACT WWWW Tooling Resin Material Usage (ton)	-	-	-	-		
MACT WWWW Low-flame/low-smoke HAP (lb)	32.20	14.55	0.00	0.00		
MACT WWWW Low flame/low smoke Resin Material Usage (ton)	0.15	0.07	-	-		
MACT WWWW Shrinkage Controlled Resin HAP Material Content (lb)	0	0	0	0		
MACT WWWW Shrinkage Controlled Resin Material Usage (ton)	-	-	-	-		

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May-20	June-20	July-20	August-20	September-20	October-20	November-20
0	0	0	0	0	0	0
0	0	0	0	0	0	0

May-20	June-20	July-20	August-20	September-20	October-20	November-20



0	0	0	0	0	0	0
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0	0	0	0	0	0	0
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	VVVV Limit	Styrene Lin	MMA Limit	WWWW Limit (lb/ton)
white	33%	31%	5%	267
Pigmented	33%	33%	10%	377
Clear	48%	33%	10%	522

sized SC VI.3.c

Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to ton	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low-smoke	Shrinkage controlled resin	
233.70	233.70	0.0005		0	0	0	1	0
204.48	210.48	0.0005		0	0	0	1	0
--	40.00	0.0005		0	0	0	0	0
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	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resi	0.39	254
Non CR/HS	0.35	88
Tooling Re:	0.35	113
Low-flame	0.35	497
Shrinkage c	0.35	354

**EUADHESIVEDISPING**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**

VOC Emissions (lb)
VOC Emissions (ton)

Product Name	Product Name	Type	On Material Summ	Units
630852	SCIGrip SG300-05-OW - Off White Adhesive	Adhesive	YES	lb
628769	SCIGRIP SG605B-B Activator	Catalyst	YES	lb
655932	SCIGRIP SG305A Adhesive	Adhesive	YES	lb
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lb  
gal

sumes 0.5% of VOCs are emitted from MMA Adhesives

5% SC VI.3.c

Organic HAP Content (wt%)	HAP Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to ton
0.3%	--	7.90	0.0005
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0.3%	--	7.90	0.0005
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**EUCLEANUP**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**

<b>VOC Emissions (</b>
<b>Acetone Emission</b>
<b>HAP Emissions (</b>

<b>Product Name</b>	<b>Product Name</b>	<b>Type</b>	<b>Boats/Parts</b>
40001	Acetone	Purge & Cleanup	
40001REC	Acetone Recyled	Purge & Cleanup	
654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL		
574675	Denatured Alcohol - PC-1010	Other-Non Coating	
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	January-20	February-20	March-20	April-20	May-20	June-20	July-20
(ton)	0.03	0.03	0.02	0	0.02	0	0.03
s (ton)	0.29	0.58	0.61	(0.07)	0.47	0.95	0.97
(ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-20	February-20	March-20	April-20	May-20	June-20	July-20
YES	lb	2,190.00	2,920.00	2,555.00	365.00	2,190.00	4,015.00	4,015.00
YES	lb	(1,620.00)	(1,770.00)	(1,344.00)	(512.00)	(1,248.00)	(2,112.00)	(2,080.00)
YES	lb	-	-	-	-	-	-	-
YES	lb	65.90	65.90	32.95	-	32.95	-	65.90
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Parts lb WWW HAP Limit  
Boats gal aning Solvents 0

SC VI.3.b

Density (lb/gal)	Acetone Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	Conversion lb to ton	Boats	Parts
6.59	100.0%	0	0.0%	0.0005	-	-
6.59	100.0%	0	0.0%	0.0005	-	-
6.59	0	100.0%	0.0%	0.0005	-	-
6.59	0	100.0%	5.2%	0.0005	-	-
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**EUCOATINGLINE**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2020**

<b>VOC Emissions (tc</b>
<b>General Use HAP (</b>
<b>General Use Solids</b>
<b>TPO HAP (lb)</b>
<b>TPO Solids (lb)</b>
<b>Automotive Lamp HA</b>
<b>Automotive Lamp Soli</b>
<b>Assembled On-road Vehic</b>
<b>Assembled on Road Vehicl</b>

<b>Product Number</b>	<b>Product Name</b>	<b>PPPP Category</b>	<b>Type</b>	<b>On Material Summ</b>
KPA0333	Paint, Med Gloss Black Urethane		Paint	YES
53-X145A	Catalyst, Component B for KPA01		Paint	YES
KPY0217	Paint, Yellow		Paint	YES
F63BXA432	Paint, Silver Bruinswick		Paint	YES
F63BXA432	Paint, Dark Gray Bruinswick		Paint	YES
F63BXL179	Paint, Blue Bruinswick		Paint	YES
CTC0073	Catalyst, Hardener		Paint	YES
V66V27	Catalyst, Polane B		Paint	YES
6637-R	Adhesive, Primer Pliogrip		Paint	YES
4402	Paint, Gloss Black Spray		Paint	YES
4087573	Paint, Red Spray		Paint	YES
60914	OMNI Orange		Paint	YES
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	January-20	February-20	March-20	April-20	May-20	June-20	July-20
on)	0.04	0	0	0	0	0	0
(lb)	0	0	0	0	0	0	0
(lb)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
AP (lb)	0	0	0	0	0	0	0
ids (lb)	0	0	0	0	0	0	0
le HAP (lb)	0	0	0	0	0	0	0
e Solids (lb)	0	0	0	0	0	0	0

Units	January-20	February-20	March-20	April-20	May-20	June-20	July-20
gal							
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lb		PPPP Organic HAP Limit (lb/lb of coating s
gal	General Use Coating	0.16
	Automotive Lamp Coating	0.45
	Thermoplastic Olefin Coating	0.26
	Assembled On-road Vehicle Coating	1.34

SC VI.3.b

SC VI.3.c

VOC Content (wt%)	Organic HAP Content (wt%)	Solids Content (wt%)	HAP Emission Factor (lb/gal)	VOC emission factor (lb/gal)	General Use	Automotive	TPO
66.1%	0	33.9%	0	5.55	0	0	0
37.0%	0	63.0%	0	3.27	0	0	0
51.0%	0	49.0%	0	5.21	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
77.5%	0	22.5%	0	7.15	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
100.0%	0	0	0	9.41	0	0	0
40.3%	0	59.7%	0	3.86	0	0	0
66.5%	0	33.5%	0	4.79	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
55.2%	0	0	0	4.44	0	0	0
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olids)

Assembled On-road vehicle
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2020 MAERS Report

Great Lakes Composites, LLC (SRN: N2430)

Emission Unit/ Reporting Group	Activity SCC Code	Product Name	Material	Usage		Density (lb/gal)	VOC Content (wt%)	VOC emission factor (lb/ton)	VOC % Emitted
				Quantity	Units				
EUADHESIVEDISPING	39999999	630852	SCIGrip SG300-05-OW - Off White Adhesive	-	lb	8.42	0.4%	7.9	100%
		628769	SCIGRIP SG605B-B Activator	270.00	lb	9.42	0.0%	0.0	100%
		655932	SCIGRIP SG305A Adhesive	1,655.00	lb	8.42	0.4%	7.9	100%
		Total		0.96	ton	8.56	0.3%		
EUBLADE	30800723	38101	Hetron 197 P Resin	69.32	lb	9.50	41.6%	233.7	100%
		38307	Hetron FR 992	378.02	lb	9.68	39.8%	210.5	100%
		23172	Luperox DDM-9 CLEAR 1536#/PLT	8.56	lb	8.41	2.0%	40.0	100%
		Total		0.23	ton	9.63	39%		
EUCLEANUP	49099998	40001	Acetone	34,675.00	lb	6.59	0.0%	0.0	100%
		40001REC	Acetone Recyled	(17,256.00)	lb	6.59	0.0%	0.0	100%
		Total		2,643.81	gal				
EUFOAM	39999999	27299	Elastopor P1001U Isocyanate - Paddle Boats 100	0.16	ton	10.18	6.0%	120.1	1%
		E13	Foam A	1.39	ton	10.26	1.6%	0.000006	1%
		E13.1	Foam B	1.39	ton	9.17	7.0%	0.000001	1%
		Total		2.93		9.74	4.4%		
EURTM	30800736	539089	Norox MCP-75 FRED	-	lb	8.35	10.0%	200.0	1%
		23172	Luperox DDM-9 CLEAR 1536#/PLT	-	lb	8.41	2.0%	40.0	1%
		205702	Norox MEKP-9H	-	lb	9.18	5.0%	100.0	1%
		562196	Norox Azox Fred - Acetyl Acetone Peroxide	169.48	lb	9.17	5.0%	100.0	1%
		505853	Stypol 040-8086 Unsaturated Polyester Resin	8,474.00	lb	9.09	40.0%	800.0	1%
		651875	Bulk Resin 136-7977	34,961.00	lb	9.07	43.5%	869.2	1%
		23172	Luperox DDM-9 CLEAR 1536#/PLT	699.62	lb	8.41	2.0%	40.0	1%
Total		44.30	E3 lb	9.06	42.0%				

2020 MAERS Report

Great Lakes Composites, LLC (SRN: N2430)

Emission Unit/ Reporting Group	Activity SCC Code	Product Name	Material	Usage		Density (lb/gal)	VOC Content (wt%)	VOC emission factor (lb/ton)	VOC % Emitted
				Quantity	Units				
RGGELCOAT	30800722	645283	Polycor HAP37 Tan 964NP451	9,037.41	lb	10.27	36.8%	251.6	100%
		645286	Polycor Hap37 Light Gray 964AP416	31,396.19	lb	10.71	36.1%	245.6	100%
		551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	19,594.80	lb	9.00	41.1%	329.2	100%
		623680	Polycor 944WP506 Off White	10,162.83	lb	10.93	35.4%	247.6	100%
		622891	Polycor HAP37 Duck Yellow 964YP359	859.40	lb	10.37	37.2%	255.3	100%
		37166	Polycor Black 944B025	2,894.67	lb	10.16	39.9%	279.5	100%
		634516	Maxguard IG-LEI-J148A Gelcoat (Light Purple)	40.00	lb	9.00	31.4%	147.6	100%
		640894	A-Gray Low VOC Gel Coat B-1536-LNHN	934.00	lb	10.51	40.0%	319.4	100%
		640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	1,151.00	lb	11.68	45.0%	334.5	100%
		538937	Polycor Base White 944WJ480	5,070.51	lb	10.93	36.3%	246.9	100%
		671487	Polycor HAP37 CONCH SHELL 964NP555	1,129.28	lb	10.54	36.3%	256.2	100%
		655100	Polycor HAP33 IMPULSE TORRED RED 996RP240	47.00	lb	10.41	35.7%	262.0	100%
		551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	2,958.44	lb	9.00	41.1%	329.2	100%
		617369	LHB-3815 Black VE Barrier Coat	1,351.74	lb	10.09	29.0%	107.3	100%
		205702	Norox MEKP-9H	-	lb	9.18	5.0%	100.0	100%
		205702	Norox MEKP-9H	-	lb	9.18	5.0%	100.0	100%
		23172	Luperox DDM-9 CLEAR 1536#/PLT	1,604.31	lb	8.41	2.0%	40.0	100%
		23172	Luperox DDM-9 CLEAR 1536#/PLT	295.21	lb	8.41	2.0%	40.0	100%
		538937	Polycor Base White 944WJ480	1,839.35	lb	10.93	36.3%	246.9	100%
		37166	Polycor Black 944B025	5,282.80	lb	10.16	39.9%	279.5	100%
		653519	HAP33 Off White ArmorFlex 99FWP506	1,451.00	lb	11.27	35.2%	248.2	100%
		671486	Polycor HAP37 Buckskin 964NP553	567.00	lb	10.51	36.7%	259.3	100%
		659637	Silverado Low VOC Gel Coat B-1679-LNHN	180.00	lb	10.51	34.4%	243.3	100%
		106387	Armorcote Green 961GJ117	-	lb	10.43	35.1%	286.3	100%
		683927	HAP33 Charcoal Armorcote 991AP633	2,448.73	lb	10.32	36.7%	300.3	100%
		683929	HAP33 Browncrest Armorcote 991NP599	822.63	lb	10.32	36.7%	300.5	100%
		681060	HAP37 Beige-BC Polycor 964NP589	307.70	lb	10.53	36.4%	256.6	100%
		681121	HAP37 Oxford Gray-BC	854.30	lb	10.49	36.8%	260.5	100%
		681120	HAP37 French Gray-BC Polycor 964NP590	863.90	lb	10.48	36.9%	261.8	100%
		681409	HAP37 DK GRAY 2020	192.50	lb	10.44	36.4%	256.5	100%
		557967	Int w419-Luu/CSA White- Tub	3,083.00	lb	11.34	29.4%	115.3	100%
		691773	Vanilla- seats	2,013.40	lb	10.91	35.4%	247.5	100%
Total				54.22	ton	10.28	36.7%		

2020 MAERS Report

Great Lakes Composites, LLC (SRN: N2430)

Emission Unit/ Reporting Group	Activity SCC Code	Product Name	Material	Usage		Density (lb/gal)	VOC Content (wt%)	VOC emission factor (lb/ton)	VOC % Emitted
				Quantity	Units				
RGOPENMOLDING	30800723	615965	AOC H884-IVA-20	62,543.27	lb	9.17	32.0%	68.5	100%
		615965	AOC H884-IVA-20	27,123.01	lb	9.17	32.0%	68.5	100%
		539089	Norox MCP-75 FRED	1,179.92	lb	8.35	10.0%	200.0	100%
		539089	Norox MCP-75 FRED	499.91	lb	8.35	10.0%	200.0	100%
		A	pcu 33234-24 low styrene resin	11,139.60	lb	9.34	36.3%	135.6	100%
		B	Dion FR 7704-00 poly-resin- tubs	200.00	lb	10.51	32.0%	77.4	100%
		539089	Norox MCP-75 FRED	188.70	lb	8.35	10.0%	200.0	100%
		Total				51.44	ton	9.18	32%
RGPRESS/OVEN	30800799	615965	AOC H884-IVA-20	-	lb				
		615965	AOC H884-IVA-20	-	lb				
		539089	Norox MCP-75 FRED	-	lb				
		539089	Norox MCP-75 FRED	-	lb				
		Total				-	ton	-	-



VOC Emissions (lbs/year)
0.0
0.0
6.5
6.5
8.1
39.8
0.2
48.1
0.0
0.0
0.0
0.2
0.0
0.0
0.2
0.0
0.0
0.0
0.1
33.9
151.9
0.1
186.1

VOC Emissions (lbs/year)
1,136.8
3,855.8
3,225.5
1,258.2
109.7
404.5
3.0
149.1
192.5
625.9
144.6
6.2
487.0
72.5
0.0
0.0
32.1
5.9
227.1
738.3
180.1
73.5
21.9
0.0
367.7
123.6
39.5
111.3
113.1
24.7
177.7
249.2
14,156.8

VOC Emissions (lbs/year)
2,141.5
928.7
118.0
50.0
755.4
7.7
18.9
4,020.1
0.0

**Hazardous Air Pollutant (HAP) List**

## National Composites

CAS #	NAME
79345	1,1,2,2-Tetrachloroethane
79005	1,1,2-Trichloroethane
57147	1,1-Dimethylhydrazine
120821	1,2,4-Trichlorobenzene
96128	1,2-Dibromo-3-chloropropane
122667	1,2-Diphenylhydrazine
106887	1,2-Epoxybutane
75558	1,2-Propylenimine
106990	1,3-Butadiene
542756	1,3-Dichloropropene
1120714	1,3-Propane sultone
106467	1,4-Dichlorobenzene
123911	1,4-Dioxane
540841	2,2,4-Trimethylpentane
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
94757	2,4-D, salts and esters
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
584849	2,4-Toluene diisocyanate
53963	2-Acetylaminofluorene
532274	2-Chloroacetophenone
79469	2-Nitropropane
91941	3,3'-Dichlorobenzidene
119904	3,3'-Dimethoxybenzidine
119937	3,3-Dimethylbenzidine
101144	4,4'-Methylene bis(2-chloroaniline)
101779	4,4'-Methylenedianiline
534521	4,6-Dinitro-o-cresol, and salts
92671	4-Aminobiphenyl
60117	4-Dimethylaminoazobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
107028	Acrolein

**Hazardous Air Pollutant (HAP) List**

## National Composites

79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
62533	Aniline
7440360	Antimony compounds
7440382	Arsenic compounds
1332214	Asbestos
71432	Benzene
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chloride
7440417	Beryllium compounds
57578	beta-Propiolactone
92524	Biphenyl
117817	bis(2-Ethylhexyl)phthalate (DEHP)
542881	bis(Chloromethyl)ether
75252	Bromoform
7440439	Cadmium compounds
156627	Calcium cyanamide
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
7440473	Chromium compounds
7440484	Cobalt compounds
Coke	Coke oven emissions
1319773	Cresols/cresylic acid
98828	Cumene
Cyanide	Cyanide compounds
72559	DDE (p,p'-DDE)
334883	Diazomethane
132649	Dibenzofuran
84742	Dibutyl phthalate

**Hazardous Air Pollutant (HAP) List**

## National Composites

111444	Dichloroethyl ether
62737	Dichlorvos
111422	Diethanolamine
64675	Diethyl sulfate
68122	Dimethyl formamide
131113	Dimethyl phthalate
77781	Dimethyl sulfate
79447	Dimethylcarbamoyl chloride
106898	Epichlorohydrin
140885	Ethyl acrylate
51796	Ethyl carbamate
75003	Ethyl chloride
100414	Ethylbenzene
106934	Ethylene dibromide
107062	Ethylene dichloride
107211	Ethylene glycol
151564	Ethylene imine
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride
ASB	Fine mineral fibers
50000	Formaldehyde
GE	Glycol ethers
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride
123319	Hydroquinone
78591	Isophorone
7439921	Lead compounds
58899	Lindane
108316	Maleic anhydride
7439965	Manganese compounds
108394	m-Cresol
7439976	Mercury compounds
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide

**Hazardous Air Pollutant (HAP) List**

## National Composites

74873	Methyl chloride
71556	Methyl chloroform
60344	Methyl hydrazine
74884	Methyl iodide
108101	Methyl isobutyl ketone
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert-butyl ether
75092	Methylene chloride
101688	Methylene diphenyl diisocyanate
108383	m-Xylene
121697	N,N-Dimethylaniline
91203	Naphthalene
7440020	Nickel compounds
98953	Nitrobenzene
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
684935	N-Nitroso-N-methylurea
90040	o-Anisidine
95487	o-Cresol
95534	o-Toluidine
95476	o-Xylene
56382	Parathion
106445	p-Cresol
82688	Pentachloronitrobenzene
87865	Pentachlorophenol
108952	Phenol
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls
POM	Polycyclic organic matter
106503	p-Phenylenediamine
123386	Propionaldehyde
114261	Propoxur
78875	Propylene dichloride
75569	Propylene oxide
106423	p-Xylene
91225	Quinoline
106514	Quinone
RAD	Radionuclides
7782492	Selenium compounds
100425	Styrene
96093	Styrene oxide

**Hazardous Air Pollutant (HAP) List**

## National Composites

127184	Tetrachloroethylene
7550450	Titanium tetrachloride
108883	Toluene
95807	Toluene-2,4-diamine
8001352	Toxaphene
79016	Trichloroethylene
121448	Triethylamine
1582098	Trifluralin
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride
1330207	Xylenes

***Delisted***

78933	Methyl ethyl ketone
111762	butyl cellosolve



**Hazardous Air Pollutant (HAP) List**  
National Composites

Triethylamine  
1582098

Trifluralin  
540841

2,2,4-Trimethylpentane  
108054

Vinyl acetate  
593602

Vinyl bromide  
75014

Vinyl chloride  
75354

Vinylidene chloride (1,1-Dichloroethylene)  
1330207

Xylenes (isomers and mixture)  
95476

o-Xylenes  
108383



**Hazardous Air Pollutant (HAP) List**

National Composites

m-Xylenes

106423

p-Xylenes

N010

Antimony Compounds

N020

Arsenic Compounds (inorganic including arsine)

N050

Beryllium Compounds

5

6

CAS No

Chemical name

N078

Cadmium Compounds

N090

Chromium Compounds

N096

Cobalt Compounds

N106

Cyanide compounds

N230

Glycol ethers

N420

Lead Compounds

N450

Manganese Compounds

N458

Mercury Compounds

N495

Nickel Compounds

Notes
(2-Methyl aziridine)
(1,4-Diethyleneoxide)
Original HAP list has incorrect CAS# 580841
(Dimethyl aminoazobenzene)



(inorganic including arsine)
(including benzene from gasoline)
(isomers and mixture)
CAS# 3547044 in original list



(bis(2-Chloroethyl)ether)
(1-Chloro-2,3-epoxypropane)
(Urethane)
(Chloroethane)
(Dibromoethane)
(1,2-Dichloroethane)
(Aziridine)
(1,1-Dichloroethane)
not including (EGBE, butyl cellosolve CAS # 111762), which was delisted 11/29/04)
(n-Hexane)
(Hydrofluoric acid)
(all isomers)
(cresol isomer)
(Bromomethane)



(Chloromethane)
(1,1,1-Trichloroethane)
(Iodomethane)
(Hexone)
(MTBE)
(Dichloromethane)
(MDI) - Current candidate for delisting
(xylene isomer)
(cresol isomer)
(xylene isomer)
(cresol isomer)
(Quintobenzene)
(Aroclors)
(includes dioxins and furans)
(Baygon)
(1,2-Dichloropropane)
(xylene isomer)
(including radon)



(Perchloroethylene)
(chlorinated camphene)
(1,1-Dichloroethylene)
(isomers and mixture)

(2-Butanone) - Delisted 12/13/05
Glycol Ether - delisted 11/29/2004



<b>CAS/ 313 Category Codes</b>	<b>NAME</b>
NA	--Except Barium Sulfate (under 313)
NA	Chlordane (Technical Mixture and Metabolites)
NA	Chlorinated Benzenes
NA	Chlorinated Ethanes
NA	Chlorinated Naphthalene
NA	Chloroalkyl Ethers
NA	Coke Oven Emissions
NA	--Except copper phthalocyanine compounds (under 313)
NA	--Except C.I. Pigment Blue 15 (under 313)
NA	--Except C.I. Pigment Green 7 (under 313)
NA	--Except C.I. Pigment Green 36 (under 313)
NA	DDT and Metabolites
NA	Dichlorobenzidine
NA	Diphenylhydrazine
NA	Endosulfan and Metabolites
NA	Endrin and Metabolites
NA	Fine mineral fibers
NA	Haloethers
NA	Halomethanes
NA	Heptachlor and Metabolites
NA	Nitrophenols
NA	Nitrosamines
NA	Organorhodium Complex (PMN-82-147)
NA	Phthalate Esters
NA	Polycyclic organic matter
NA	Polynuclear Aromatic Hydrocarbons
50000	Formaldehyde
50000	Formaldehyde (solution)
50077	Mitomycin C
50146	Ergocalciferol
50180	Cyclophosphamide
50293	DDT
50328	Benzo[a]pyrene
50555	Reserpine
51036	Piperonyl butoxide
51218	Fluorouracil
51218	5-Fluorouracil
51285	2,4-Dinitrophenol
51434	Epinephrine
51752	2-Chloro-N-(2-chloroethyl)-N-methylethanamine
51752	Mechlorethamine
51752	Nitrogen mustard
51796	Carbamic acid, ethyl ester
51796	Ethyl carbamate
51796	Urethane
51832	Carbachol chloride
52686	Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-,dimethyl es



52686	Trichlorfon
52857	Famphur
53703	Dibenz[a,h]anthracene
53963	2-Acetylaminofluorene
54115	Nicotine
54115	Nicotine and salts
54115	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-
54626	Aminopterin
55185	N-Nitrosodiethylamine
55210	Benzamide
55389	O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
55389	Fenthion
55630	Nitroglycerin
55914	Diisopropylfluorophosphate
55914	Isofluorphate
56042	Methylthiouracil
56235	Carbon tetrachloride
56257	Cantharidin
56359	Bis(tributyltin) oxide
56382	Parathion
56382	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
56495	3-Methylcholanthrene
56531	Diethylstilbestrol
56553	Benz[a]anthracene
56724	Coumaphos
57125	Cyanides (soluble salts and complexes)
57147	1,1-Dimethyl hydrazine
57147	Dimethylhydrazine
57147	Hydrazine, 1,1-dimethyl-
57249	Strychnine
57249	Strychnine, and salts
57330	Pentobarbital sodium
57410	Phenytoin
57476	Physostigmine
57578	beta-Propiolactone
57647	Physostigmine, salicylate (1:1)
57749	Chlordane
57749	4,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a
57976	7,12-Dimethylbenz[a]anthracene
58366	Phenoxarsine, 10,10'-oxydi-
58899	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.)
58899	Hexachlorocyclohexane (gamma isomer)
58899	Lindane
58902	2,3,4,6-Tetrachlorophenol
59507	p-Chloro-m-cresol
59881	Phenylhydrazine hydrochloride
59892	N-Nitrosomorpholine
60004	Ethylenediamine-tetraacetic acid (EDTA)

60093	4-Aminoazobenzene
60117	4-Dimethylaminoazobenzene
60117	Dimethylaminoazobenzene
60297	Ethane, 1,1'-oxybis-
60297	Ethyl ether
60344	Hydrazine, methyl-
60344	Methyl hydrazine
60355	Acetamide
60413	Strychnine, sulfate
60515	Dimethoate
60571	Dieldrin
61825	Amitrole
62384	Phenylmercuric acetate
62384	Phenylmercury acetate
62442	Phenacetin
62500	Ethyl methanesulfonate
62533	Aniline
62555	Thioacetamide
62566	Thiourea
62737	Dichlorvos
62737	Phosphoric acid, 2-dichloroethenyl dimethyl ester
62748	Fluoroacetic acid, sodium salt
62748	Sodium fluoroacetate
62759	Methanamine, N-methyl-N-nitroso-
62759	N-Nitrosodimethylamine
62759	Nitrosodimethylamine
63252	Carbaryl
63252	1-Naphthalenol, methylcarbamate
64006	Phenol, 3-(1-methylethyl)-, methylcarbamate
64186	Formic acid
64197	Acetic acid
64675	Diethyl sulfate
64755	Tetracycline hydrochloride
64868	Colchicine
65305	Nicotine sulfate
65850	Benzoic acid
66751	Uracil mustard
66819	Cycloheximide
67561	Methanol
67630	Isopropyl alcohol (mfg-strong acid process)
67641	Acetone
67663	Chloroform
67663	Methane, trichloro-
67721	Hexachloroethane
68122	Dimethylformamide
68122	N,N-Dimethylformamide
68768	2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-
68768	Triaziquone

70257	Guanidine, N-methyl-N'-nitro-N-nitroso-
70304	Hexachlorophene
70699	Propiophenone, 4'-amino
71363	n-Butyl alcohol
71432	Benzene
71556	Methyl chloroform
71556	1,1,1-Trichloroethane
71636	Digitoxin
72208	Endrin
72435	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-
72435	Methoxychlor
72548	DDD
72559	DDE
72571	Trypan blue
74828	Methane
74839	Bromomethane
74839	Methyl bromide
74840	Ethane
74851	Ethene
74851	Ethylene
74862	Acetylene
74862	Ethyne
74873	Chloromethane
74873	Methane, chloro-
74873	Methyl chloride
74884	Methyl iodide
74895	Methanamine
74895	Monomethylamine
74908	Hydrocyanic acid
74908	Hydrogen cyanide
74931	Methanethiol
74931	Methyl mercaptan
74931	Thiomethanol
74953	Methylene bromide
74986	Propane
74997	1-Propyne
74997	Propyne
75003	Chloroethane
75003	Ethane, chloro-
75003	Ethyl chloride
75014	Ethene, chloro-
75014	Vinyl chloride
75025	Ethene, fluoro-
75025	Vinyl fluoride
75047	Ethanamine
75047	Monoethylamine
75058	Acetonitrile
75070	Acetaldehyde

75081	Ethanethiol
75081	Ethyl mercaptan
75092	Dichloromethane
75092	Methylene chloride
75150	Carbon disulfide
75194	Cyclopropane
75207	Calcium carbide
75218	Ethylene oxide
75218	Oxirane
75252	Bromoform
75252	Tribromomethane
75274	Dichlorobromomethane
75285	Isobutane
75285	Propane, 2-methyl
75296	Isopropyl chloride
75296	Propane, 2-chloro-
75310	Isopropylamine
75310	2-Propanamine
75343	1,1-Dichloroethane
75343	Ethylidene Dichloride
75354	1,1-Dichloroethylene
75354	Ethene, 1,1-dichloro-
75354	Vinylidene chloride
75365	Acetyl chloride
75376	Difluoroethane
75376	Ethane, 1,1-difluoro-
75387	Ethene, 1,1-difluoro-
75387	Vinylidene fluoride
75434	Dichlorofluoromethane
75434	HCFC-21
75445	Carbonic dichloride
75445	Phosgene
75456	Chlorodifluoromethane
75456	HCFC-22
75503	Methanamine, N,N-dimethyl-
75503	Trimethylamine
75558	Aziridine, 2-methyl
75558	Propyleneimine
75569	Oxirane, methyl-
75569	Propylene oxide
75605	Cacodylic acid
75638	Bromotrifluoromethane
75638	Halon 1301
75649	tert-Butylamine
75650	tert-Butyl alcohol
75683	1-Chloro-1,1-difluoroethane
75683	HCFC-142b
75694	CFC-11

75694	Trichlorofluoromethane
75694	Trichloromonofluoromethane
75718	CFC-12
75718	Dichlorodifluoromethane
75729	CFC-13
75729	Chlorotrifluoromethane
75741	Plumbane, tetramethyl-
75741	Tetramethyllead
75763	Silane, tetramethyl-
75763	Tetramethylsilane
75774	Silane, chlorotrimethyl-
75774	Trimethylchlorosilane
75785	Dimethyldichlorosilane
75785	Silane, dichlorodimethyl-
75796	Methyltrichlorosilane
75796	Silane, trichloromethyl-
75865	Acetone cyanohydrin
75865	2-Methylactonitrile
75876	Acetaldehyde, trichloro-
75887	2-Chloro-1,1,1-trifluoroethane
75887	HCFC-133a
75990	2,2-Dichloropropionic acid
76017	Pentachloroethane
76028	Trichloroacetyl chloride
76062	Chloropicrin
76131	Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-
76131	Freon 113
76142	CFC-114
76142	Dichlorotetrafluoroethane
76153	CFC-115
76153	Monochloropentafluoroethane
76448	Heptachlor
76448	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-
76879	Triphenyltin hydroxide
77474	Hexachlorocyclopentadiene
77736	Dicyclopentadiene
77781	Dimethyl sulfate
77816	Tabun
78002	Tetraethyl lead
78342	Dioxathion
78488	DEF
78488	S,S,S-Tributyltrithiophosphate
78535	Amiton
78591	Isophorone
78717	Oxetane, 3,3-bis(chloromethyl)-
78784	Butane, 2-methyl-
78784	Isopentane
78795	1,3-Butadiene, 2-methyl-

78795	Isoprene
78819	iso-Butylamine
78820	Isobutyronitrile
78820	Propanenitrile, 2-methyl-
78831	Isobutyl alcohol
78842	Isobutyraldehyde
78875	1,2-Dichloropropane
78875	Propane 1,2-dichloro-
78886	2,3-Dichloropropene
78922	sec-Butyl alcohol
78933	Methyl ethyl ketone
78933	Methyl ethyl ketone (MEK)
78944	Methyl vinyl ketone
78977	Lactonitrile
78999	1,1-Dichloropropane
79005	1,1,2-Trichloroethane
79016	Trichloroethylene
79061	Acrylamide
79094	Propionic acid
79107	Acrylic acid
79118	Chloroacetic acid
79196	Thiosemicarbazide
79210	Ethaneperoxoic acid
79210	Peracetic acid
79221	Carbonochloridic acid, methylester
79221	Methyl chlorocarbonate
79221	Methyl chloroformate
79312	iso-Butyric acid
79345	1,1,2,2-Tetrachloroethane
79389	Ethene, chlorotrifluoro-
79389	Trifluorochloroethylene
79447	Dimethylcarbamyl chloride
79469	2-Nitropropane
79947	Tetrabromobisphenol A
80057	4,4'-Isopropylidenediphenol
80159	Cumene hydroperoxide
80159	Hydroperoxide, 1-methyl-1-phenylethyl-
80626	Methyl methacrylate
80637	Methyl 2-chloroacrylate
81072	Saccharin (manufacturing)
81072	Saccharin and salts
81812	Warfarin
81812	Warfarin, & salts, conc.>0.3%
81889	C.I. Food Red 15
82280	1-Amino-2-methylantraquinone
82666	Diphacinone
82688	PCNB
82688	Pentachloronitrobenzene

82688	Quintozene
83329	Acenaphthene
84662	Diethyl phthalate
84742	n-Butyl phthalate
84742	Dibutyl phthalate
85007	Diquat
85018	Phenanthrene
85449	Phthalic anhydride
85687	Butyl benzyl phthalate
86306	N-Nitrosodiphenylamine
86500	Azinphos-methyl
86500	Guthion
86737	Fluorene
86884	ANTU
86884	Thiourea, 1-naphthalenyl-
87627	2,6-Xylidine
87650	2,6-Dichlorophenol
87683	Hexachloro-1,3-butadiene
87683	Hexachlorobutadiene
87865	PCP
87865	Pentachlorophenol
88051	Aniline, 2,4,6-trimethyl-
88062	2,4,6-Trichlorophenol
88722	o-Nitrotoluene
88755	2-Nitrophenol
88857	Dinitrobutyl phenol
88857	Dinoseb
88891	Picric acid
90040	o-Anisidine
90437	2-Phenylphenol
90948	Michler's ketone
91087	Benzene, 1,3-diisocyanato-2-methyl-
91087	Toluene-2,6-diisocyanate
91203	Naphthalene
91225	Quinoline
91587	2-Chloronaphthalene
91598	beta-Naphthylamine
91667	N,N-Diethylaniline
91805	Methapyrilene
91930	3,3'-Dimethoxybenzidine-4,4'-diisocyanate
91941	3,3'-Dichlorobenzidine
91974	3,3'-Dimethyl-4,4'-diphenylene diisocyanate
92524	Biphenyl
92671	4-Aminobiphenyl
92875	Benzidine
92933	4-Nitrobiphenyl
93652	Mecoprop
93721	Silvex (2,4,5-TP)

93765	2,4,5-T acid
93798	2,4,5-T esters
94111	2,4-D Esters
94111	2,4-D isopropyl ester
94360	Benzoyl peroxide
94586	Dihydrosafrole
94597	Safrole
94746	(4-Chloro-2-methylphenoxy) acetic acid
94746	MCPA
94746	Methoxone
94757	Acetic acid, (2,4-dichlorophenoxy)-
94757	2,4-D
94757	2,4-D Acid
94757	2,4-D, salts and esters
94791	2,4-D Esters
94804	2,4-D butyl ester
94804	2,4-D Esters
94826	2,4-DB
95476	Benzene, o-dimethyl-
95476	o-Xylene
95487	o-Cresol
95501	o-Dichlorobenzene
95501	1,2-Dichlorobenzene
95534	o-Toluidine
95545	1,2-Phenylenediamine
95578	2-Chlorophenol
95636	1,2,4-Trimethylbenzene
95692	p-Chloro-o-toluidine
95807	2,4-Diaminotoluene
95943	1,2,4,5-Tetrachlorobenzene
95954	2,4,5-Trichlorophenol
96093	Styrene oxide
96128	DBCP
96128	1,2-Dibromo-3-chloropropane
96184	1,2,3-Trichloropropane
96333	Methyl acrylate
96457	Ethylene thiourea
97234	Dichlorophene
97234	2,2'-Methylenebis(4-chlorophenol
97563	C.I. Solvent Yellow 3
97632	Ethyl methacrylate
98011	Furfural
98055	Benzenearsonic acid
98077	Benzoic trichloride
98077	Benzotrichloride
98099	Benzenesulfonyl chloride
98135	Trichlorophenylsilane
98168	Benzenamine, 3-(trifluoromethyl)-



98828	Cumene
98862	Acetophenone
98873	Benzal chloride
98884	Benzoyl chloride
98953	Nitrobenzene
99081	m-Nitrotoluene
99309	Dichloran
99309	2,6-Dichloro-4-nitroaniline
99354	1,3,5-Trinitrobenzene
99558	5-Nitro-o-toluidine
99592	5-Nitro-o-anisidine
99650	m-Dinitrobenzene
99989	Dimethyl-p-phenylenediamine
99990	p-Nitrotoluene
100016	p-Nitroaniline
100027	4-Nitrophenol
100027	p-Nitrophenol
100141	Benzene, 1-(chloromethyl)-4-nitro-
100254	p-Dinitrobenzene
100414	Ethylbenzene
100425	Styrene
100447	Benzyl chloride
100470	Benzonitrile
100754	N-Nitrosopiperidine
101053	Anilazine
101053	4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine
101144	MBOCA
101144	4,4'-Methylenebis(2-chloroaniline)
101279	Barban
101553	4-Bromophenyl phenyl ether
101611	4,4'-Methylenebis(N,N-dimethyl)benzenamine
101688	MDI
101688	Methylenebis(phenylisocyanate)
101779	4,4'-Methylenedianiline
101804	4,4'-Diaminodiphenyl ether
101906	Diglycidyl resorcinol ether
102363	Isocyanic acid, 3,4-dichlorophenyl ester
103855	Phenylthiourea
104121	p-Chlorophenyl isocyanate
104494	1,4-Phenylene diisocyanate
104949	p-Anisidine
105464	sec-Butyl acetate
105679	2,4-Dimethylphenol
106423	Benzene, p-dimethyl-
106423	p-Xylene
106445	p-Cresol
106467	1,4-Dichlorobenzene
106478	p-Chloroaniline

106490	p-Toluidine
106503	p-Phenylenediamine
106514	p-Benzoquinone
106514	Quinone
106887	1,2-Butylene oxide
106898	Epichlorohydrin
106898	Oxirane, (chloromethyl)-
106934	1,2-Dibromoethane
106934	Ethylene dibromide
106967	Propargyl bromide
106978	Butane
106989	1-Butene
106990	1,3-Butadiene
107006	1-Butyne
107006	Ethyl acetylene
107017	2-Butene
107028	Acrolein
107028	2-Propenal
107051	Allyl chloride
107062	1,2-Dichloroethane
107062	Ethylene dichloride
107073	Chloroethanol
107108	n-Propylamine
107119	Allylamine
107119	2-Propen-1-amine
107120	Ethyl cyanide
107120	Propanenitrile
107120	Propionitrile
107131	Acrylonitrile
107131	2-Propenenitrile
107153	1,2-Ethanediamine
107153	Ethylenediamine
107164	Formaldehyde cyanohydrin
107186	Allyl alcohol
107186	2-Propen-1-ol
107197	Propargyl alcohol
107200	Chloroacetaldehyde
107211	Ethylene glycol
107255	Ethene, methoxy-
107255	Vinyl methyl ether
107302	Chloromethyl methyl ether
107302	Methane, chloromethoxy-
107313	Formic acid, methyl ester
107313	Methyl formate
107448	Sarin
107493	TEPP
107493	Tetraethyl pyrophosphate
107926	Butyric acid

108054	Acetic acid ethenyl ester
108054	Vinyl acetate
108054	Vinyl acetate monomer
108101	Methyl isobutyl ketone
108236	Carbonochloridic acid, 1-methylethyl ester
108236	Isopropyl chloroformate
108247	Acetic anhydride
108316	Maleic anhydride
108383	Benzene, m-dimethyl-
108383	m-Xylene
108394	m-Cresol
108452	1,3-Phenylenediamine
108463	Resorcinol
108601	Bis(2-chloro-1-methylethyl)ether
108601	Dichloroisopropyl ether
108883	Toluene
108907	Chlorobenzene
108918	Cyclohexanamine
108918	Cyclohexylamine
108930	Cyclohexanol
108941	Cyclohexanone
108952	Phenol
108985	Benzenethiol
108985	Thiophenol
109068	2-Methylpyridine
109068	2-Picoline
109615	Carbonochloridic acid, propylester
109615	Propyl chloroformate
109660	Pentane
109671	1-Pentene
109739	Butylamine
109773	Malononitrile
109864	2-Methoxyethanol
109897	Diethylamine
109922	Ethene, ethoxy-
109922	Vinyl ethyl ether
109955	Ethyl nitrite
109955	Nitrous acid, ethyl ester
109999	Furan, tetrahydro-
110009	Furan
110167	Maleic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110543	Hexane
110543	n-Hexane
110576	trans-1,4-Dichloro-2-butene
110576	trans-1,4-Dichlorobutene
110758	2-Chloroethyl vinyl ether

110805	Ethanol, 2-ethoxy-
110805	2-Ethoxyethanol
110827	Cyclohexane
110861	Pyridine
110894	Piperidine
111422	Diethanolamine
111444	Bis(2-chloroethyl) ether
111444	Dichloroethyl ether
111546	Ethylenebisdithiocarbamic acid, salts & esters
111693	Adiponitrile
111911	Bis(2-chloroethoxy) methane
114261	Phenol, 2-(1-methylethoxy)-, methylcarbamate
114261	Propoxur
115026	Azaserine
115071	Propene
115071	1-Propene
115071	Propylene
115106	Methane, oxybis-
115106	Methyl ether
115117	2-Methylpropene
115117	1-Propene, 2-methyl-
115219	Trichloroethylsilane
115264	Dimefox
115286	Chlorendic acid
115297	Endosulfan
115322	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(t
115322	Dicofol
115902	Fensulfothion
116063	Aldicarb
116143	Ethene, tetrafluoro-
116143	Tetrafluoroethylene
117793	2-Aminoanthraquinone
117806	Dichlone
117817	Bis(2-ethylhexyl)phthalate
117817	DEHP
117817	Di(2-ethylhexyl) phthalate
117840	Di-n-octyl phthalate
117840	n-Dioctylphthalate
118741	Hexachlorobenzene
119380	Isopropylmethylpyrazolyl dimethylcarbamate
119904	3,3'-Dimethoxybenzidine
119937	3,3'-Dimethylbenzidine
119937	o-Tolidine
120127	Anthracene
120365	2,4-DP
120581	Isosafrole
120718	p-Cresidine
120809	Catechol

120821	1,2,4-Trichlorobenzene
120832	2,4-Dichlorophenol
121142	2,4-Dinitrotoluene
121211	Pyrethrins
121299	Pyrethrins
121448	Triethylamine
121697	N,N-Dimethylaniline
121755	Malathion
122098	Benzeneethanamine, alpha,alpha-dimethyl-
122349	Simazine
122394	Diphenylamine
122429	Propham
122667	1,2-Diphenylhydrazine
122667	Hydrazine, 1,2-diphenyl-
122667	Hydrazobenzene
123319	Hydroquinone
123331	Maleic hydrazide
123386	Propionaldehyde
123615	1,3-Phenylene diisocyanate
123626	Propionic anhydride
123637	Paraldehyde
123728	Butyraldehyde
123739	2-Butenal, (e)-
123739	Crotonaldehyde, (E)-
123864	Butyl acetate
123911	1,4-Dioxane
123922	iso-Amyl acetate
124049	Adipic acid
124403	Dimethylamine
124403	Methanamine, N-methyl-
124414	Sodium methylate
124481	Chlorodibromomethane
124652	Sodium cacodylate
124732	Dibromotetrafluoroethane
124732	Halon 2402
124878	Picrotoxin
126727	Tris(2,3-dibromopropyl) phosphate
126987	Methacrylonitrile
126987	2-Propenenitrile, 2-methyl-
126998	Chloroprene
127184	Perchloroethylene
127184	Tetrachloroethylene
127822	Zinc phenolsulfonate
128030	Potassium dimethyldithiocarbamate
128041	Sodium dimethyldithiocarbamate
128665	C.I. Vat Yellow 4
129000	Pyrene
129066	Warfarin sodium

130154	1,4-Naphthoquinone
131113	Dimethyl phthalate
131522	Sodium pentachlorophenate
131748	Ammonium picrate
131895	2-Cyclohexyl-4,6-dinitrophenol
132274	Sodium o-phenylphenoxide
132649	Dibenzofuran
133062	Captan
133062	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloro
133073	Folpet
133904	Benzoic acid, 3-amino-2,5-dichloro-
133904	Chloramben
134292	o-Anisidine hydrochloride
134327	alpha-Naphthylamine
135206	Benzeneamine, N-hydroxy-N-nitroso, ammonium salt
135206	Cupferron
136458	Dipropyl isocinchomeronate
137268	Thiram
137304	Ziram
137417	Potassium N-methyldithiocarbamate
137428	Metham sodium
137428	Sodium methyldithiocarbamate
138932	Disodium cyanodithioimidocarbonate
139139	Nitrilotriacetic acid
139253	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate
139651	4,4'-Thiodianiline
140294	Benzyl cyanide
140761	Pyridine, 2-methyl-5-vinyl-
140885	Ethyl acrylate
141322	Butyl acrylate
141662	Dicrotophos
141786	Ethyl acetate
142289	1,3-Dichloropropane
142596	Nabam
142712	Cupric acetate
142847	Dipropylamine
143339	Sodium cyanide (Na(CN))
143500	Kepone
144490	Fluoroacetic acid
145733	Endothall
148798	Thiabendazole
148798	2-(4-Thiazolyl)-1H-benzimidazole
148823	Melphalan
149304	MBT
149304	2-Mercaptobenzothiazole
149746	Dichloromethylphenylsilane
150505	Merphos
150685	Monuron

151382	Methoxyethylmercuric acetate
151508	Potassium cyanide
151564	Aziridine
151564	Ethyleneimine
152169	Diphosphoramidate, octamethyl-
156105	p-Nitrosodiphenylamine
156605	1,2-Dichloroethylene
156627	Calcium cyanamide
189559	Benzo(rst)pentaphene
189559	Dibenz[a,i]pyrene
189640	Dibenzo(a,h)pyrene
191242	Benzo[g,h,i]perylene
191300	Dibenzo(a,l)pyrene
192654	Dibenzo(a,e)pyrene
193395	Indeno(1,2,3-cd)pyrene
194592	7H-Dibenzo(c,g)carbazole
205823	Benzo(j)fluoranthene
205992	Benzo[b]fluoranthene
206440	Fluoranthene
207089	Benzo(k)fluoranthene
208968	Acenaphthylene
218019	Benzo(a)phenanthrene
218019	Chrysene
224420	Dibenz(a,j)acridine
225514	Benzo[c]acridine
226368	Dibenz(a,h)acridine
297789	Isobenzan
297972	O,O-Diethyl O-pyrazinyl phosphorothioate
297972	Thionazin
298000	Methyl parathion
298000	Parathion-methyl
298022	Phorate
298044	Disulfoton
300629	Amphetamine
300765	Naled
301042	Lead acetate
301122	S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid
301122	Oxydemeton methyl
302012	Hydrazine
303344	Lasiocarpine
305033	Chlorambucil
306832	2,2-Dichloro-1,1,1-trifluoroethane
306832	HCFC-123
309002	Aldrin
309002	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4
311455	Diethyl-p-nitrophenyl phosphate
314409	Bromacil
314409	5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidinedi-

315184	Mexacarbate
316427	Emetine, dihydrochloride
319846	alpha-BHC
319846	alpha-Hexachlorocyclohexane
319857	beta-BHC
319868	delta-BHC
327980	Trichloronate
329715	2,5-Dinitrophenol
330541	Diuron
330552	Linuron
333415	Diazinon
334883	Diazomethane
353424	Boron trifluoride compound with methyl ether (1:1)
353424	Boron, trifluoro[oxybis[methane]]-, (T-4)-
353504	Carbonic difluoride
353593	Bromochlorodifluoromethane
353593	Halon 1211
354110	HCFC-121a
354110	1,1,1,2-Tetrachloro-2-fluoroethane
354143	HCFC-121
354143	1,1,2,2-Tetrachloro-1-fluoroethane
354234	1,2-Dichloro-1,1,2-trifluoroethane
354234	HCFC-123a
354256	1-Chloro-1,1,2,2-tetrafluoroethane
354256	HCFC-124a
357573	Brucine
359068	Fluoroacetyl chloride
371620	Ethylene fluorohydrin
379793	Ergotamine tartrate
422446	1,2-Dichloro-1,1,2,3,3-pentafluoropropane
422446	HCFC-225bb
422480	2,3-Dichloro-1,1,1,2,3-pentafluoropropane
422480	HCFC-225ba
422560	3,3-Dichloro-1,1,1,2,2-pentafluoropropane
422560	HCFC-225ca
431867	1,2-Dichloro-1,1,3,3,3-pentafluoropropane
431867	HCFC-225da
460195	Cyanogen
460195	Ethanedinitrile
460355	3-Chloro-1,1,1-trifluoropropane
460355	HCFC-253fb
463490	1,2-Propadiene
463490	Propadiene
463581	Carbon oxide sulfide (COS)
463581	Carbonyl sulfide
463821	2,2-Dimethylpropane
463821	Propane, 2,2-dimethyl-
465736	Isodrin



470906	Chlorfenvinfos
492808	Auramine
492808	C.I. Solvent Yellow 34
494031	Chlornaphazine
496720	Diaminotoluene
502396	Methylmercuric dicyanamide
504245	4-Aminopyridine
504245	Pyridine, 4-amino-
504609	1,3-Pentadiene
505602	Ethane, 1,1'-thiobis[2-chloro-
505602	Mustard gas
506616	Potassium silver cyanide
506649	Silver cyanide
506683	Cyanogen bromide
506774	Cyanogen chloride
506774	Cyanogen chloride ((CN)Cl)
506785	Cyanogen iodide
506876	Ammonium carbonate
506967	Acetyl bromide
507551	1,3-Dichloro-1,1,2,2,3-pentafluoropropane
507551	HCFC-225cb
509148	Methane, tetranitro-
509148	Tetranitromethane
510156	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.
510156	Chlorobenzilate
513495	sec-Butylamine
514738	Dithiazanine iodide
528290	o-Dinitrobenzene
532274	2-Chloroacetophenone
533744	Dazomet
533744	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
534076	Bis(chloromethyl) ketone
534521	4,6-Dinitro-o-cresol
534521	Dinitrocresol
534521	4,6-Dinitro-o-cresol and salts
535897	Crimidine
538078	Ethylbis(2-chloroethyl)amine
540590	1,2-Dichloroethylene
540738	Hydrazine, 1,2-dimethyl-
540841	2,2,4-Trimethylpentane
540885	tert-Butyl acetate
541093	Uranyl acetate
541253	Lewisite
541413	Ethyl chloroformate
541537	Dithiobiuret
541537	2,4-Dithiobiuret
541731	1,3-Dichlorobenzene
542621	Barium cyanide

542756	1,3-Dichloropropene
542756	1,3-Dichloropropylene
542767	3-Chloropropionitrile
542767	Propionitrile, 3-chloro-
542881	Bis(chloromethyl) ether
542881	Chloromethyl ether
542881	Dichloromethyl ether
542881	Methane, oxybis[chloro-
542905	Ethylthiocyanate
543908	Cadmium acetate
544183	Cobaltous formate
544923	Copper cyanide
554132	Lithium carbonate
554847	m-Nitrophenol
555771	Tris(2-chloroethyl)amine
556616	Isothiocyanatomethane
556616	Methyl isothiocyanate
556649	Methyl thiocyanate
556649	Thiocyanic acid, methyl ester
557197	Nickel cyanide
557211	Zinc cyanide
557346	Zinc acetate
557415	Zinc formate
557982	2-Chloropropylene
557982	1-Propene, 2-chloro-
558258	Methanesulfonyl fluoride
563122	Ethion
563417	Semicarbazide hydrochloride
563451	3-Methyl-1-butene
563462	2-Methyl-1-butene
563473	3-Chloro-2-methyl-1-propene
563688	Thallium(I) acetate
569642	C.I. Basic Green 4
573568	2,6-Dinitrophenol
584849	Benzene, 2,4-diisocyanato-1-methyl-
584849	Toluene-2,4-diisocyanate
590181	2-Butene-cis
590216	1-Chloropropylene
590216	1-Propene, 1-chloro-
591082	1-Acetyl-2-thiourea
592018	Calcium cyanide
592041	Mercuric cyanide
592858	Mercuric thiocyanate
592870	Lead thiocyanate
593602	Vinyl bromide
594423	Methanesulfonyl chloride, trichloro-
594423	Perchloromethyl mercaptan
594423	Trichloromethanesulfonyl chloride

597648	Tetraethyltin
598312	Bromoacetone
598732	Bromotrifluoroethylene
598732	Ethene, bromotrifluoro-
606202	2,6-Dinitrotoluene
608731	Hexachlorocyclohexane (all isomers)
608935	Pentachlorobenzene
609198	3,4,5-Trichlorophenol
610399	3,4-Dinitrotoluene
612828	3,3'-Dimethylbenzidine dihydrochloride
612828	o-Tolidine dihydrochloride
612839	3,3'-Dichlorobenzidine dihydrochloride
614788	Thiourea, (2-methylphenyl)-
615054	2,4-Diaminoanisole
615281	1,2-Phenylenediamine dihydrochloride
615532	N-Nitroso-N-methylurethane
621647	Di-n-propylnitrosamine
621647	N-Nitrosodi-n-propylamine
624180	1,4-Phenylenediamine dihydrochloride
624646	2-Butene, (E)
624646	2-Butene-trans
624839	Methane, isocyanato-
624839	Methyl isocyanate
625161	tert-Amyl acetate
626380	sec-Amyl acetate
627112	Chloroethyl chloroformate
627203	2-Pentene, (Z)-
628637	Amyl acetate
628864	Mercury fulminate
630104	Selenourea
630206	Ethane, 1,1,1,2-tetrachloro-
630206	1,1,1,2-Tetrachloroethane
630604	Ouabain
631618	Ammonium acetate
636215	o-Tolidine hydrochloride
639587	Triphenyltin chloride
640197	Fluoroacetamide
644644	Dimetilan
646048	2-Pentene, (E)-
675149	Cyanuric fluoride
676971	Methyl phosphonic dichloride
680319	Hexamethylphosphoramide
684935	N-Nitroso-N-methylurea
689974	1-Buten-3-yne
689974	Vinyl acetylene
692422	Diethylarsine
696286	Dichlorophenylarsine
696286	Phenyl dichloroarsine

709988	N-(3,4-Dichlorophenyl)propanamide
709988	Propanil
757584	Hexaethyl tetraphosphate
759739	N-Nitroso-N-ethylurea
759944	EPTC
759944	Ethyl dipropylthiocarbamate
760930	Methacrylic anhydride
764410	2-Butene, 1,4-dichloro-
764410	1,4-Dichloro-2-butene
765344	Glycidylaldehyde
786196	Carbophenothion
812044	1,1-Dichloro-1,2,2-trifluoroethane
812044	HCFC-123b
814493	Diethyl chlorophosphate
814686	Acrylyl chloride
814686	2-Propenoyl chloride
815827	Cupric tartrate
822060	Hexamethylene-1,6-diisocyanate
823405	Diaminotoluene
824113	Trimethylolpropane phosphite
834128	Ametryn
834128	N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-di
842079	C.I. Solvent Yellow 14
872504	N-Methyl-2-pyrrolidone
900958	Stannane, acetoxetriphenyl-
919868	Demeton-S-methyl
920467	Methacryloyl chloride
924163	N-Nitrosodi-n-butylamine
924425	N-Methylolacrylamide
930552	N-Nitrosopyrrolidine
933755	2,3,6-Trichlorophenol
933788	2,3,5-Trichlorophenol
944229	Fonofos
947024	Phosfolan
950107	Mephosfolan
950378	Methidathion
957517	Diphenamid
959988	alpha - Endosulfan
961115	Phosphoric acid, 2-chloro-1-(2,3,5-trichlorophenyl) ethenyl dir
961115	Tetrachlorvinphos
989388	C.I. Basic Red 1
991424	Norbormide
998301	Triethoxysilane
999815	Chlormequat chloride
1024573	Heptachlor epoxide
1031078	Endosulfan sulfate
1031476	Triamiphos
1066304	Chromic acetate

1066337	Ammonium bicarbonate
1066451	Trimethyltin chloride
1072351	Lead stearate
1111780	Ammonium carbamate
1114712	Butylethylcarbamothioic acid S-propyl ester
1114712	Pebulate
1116547	N-Nitrosodiethanolamine
1120714	1,3-Propane sultone
1120714	Propane sultone
1122607	Nitrocyclohexane
1124330	Pyridine, 4-nitro-, 1-oxide
1129415	Metolcarb
1134232	Cycloate
1163195	Decabromodiphenyl oxide
1185575	Ferric ammonium citrate
1194656	Dichlobenil
1300716	Xylenol
1303282	Arsenic pentoxide
1303328	Arsenic disulfide
1303339	Arsenic trisulfide
1306190	Cadmium oxide
1309644	Antimony trioxide
1310583	Potassium hydroxide
1310732	Sodium hydroxide
1313275	Molybdenum trioxide
1314201	Thorium dioxide
1314325	Thallic oxide
1314621	Vanadium pentoxide
1314803	Sulfur phosphide
1314847	Zinc phosphide
1314847	Zinc phosphide (conc. <= 10%)
1314847	Zinc phosphide (conc. > 10%)
1314870	Lead sulfide
1319728	2,4,5-T amines
1319773	Cresol (mixed isomers)
1320189	2,4-D Esters
1320189	2,4-D propylene glycol butyl ether ester
1321126	Nitrotoluene
1327522	Arsenic acid
1327533	Arsenic trioxide
1327533	Arsenous oxide
1330207	Xylene (mixed isomers)
1332076	Zinc borate
1332214	Asbestos (friable)
1333740	Hydrogen
1333831	Sodium bifluoride
1335326	Lead subacetate
1335871	Hexachloronaphthalene

1336216	Ammonium hydroxide
1336363	PCBs
1336363	Polychlorinated biphenyls
1338234	Methyl ethyl ketone peroxide
1338245	Naphthenic acid
1341497	Ammonium bifluoride
1344281	Aluminum oxide (fibrous forms)
1397940	Antimycin A
1420071	Dinoterb
1464535	2,2'-Bioxirane
1464535	Diepoxybutane
1558254	Trichloro(chloromethyl)silane
1563388	Carbofuran phenol
1563662	Carbofuran
1582098	Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-
1582098	Trifluralin
1600277	Mercuric acetate
1615801	Hydrazine, 1,2-diethyl-
1622328	Ethanesulfonyl chloride, 2-chloro-
1634044	Methyl tert-butyl ether
1646884	Aldicarb sulfone
1649087	1,2-Dichloro-1,1-difluoroethane
1649087	HCFC-132b
1689845	Bromoxynil
1689845	3,5-Dibromo-4-hydroxybenzotrile
1689992	Bromoxynil octanoate
1689992	Octanoic acid, 2,6-dibromo-4-cyanophenyl ester
1717006	1,1-Dichloro-1-fluoroethane
1717006	HCFC-141b
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
1752303	Acetone thiosemicarbazide
1762954	Ammonium thiocyanate
1836755	Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-
1836755	Nitrofen
1861401	Benfluralin
1861401	N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine
1863634	Ammonium benzoate
1888717	Hexachloropropene
1897456	1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-
1897456	Chlorothalonil
1910425	Paraquat dichloride
1912249	Atrazine
1912249	6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine
1918009	Dicamba
1918009	3,6-Dichloro-2-methoxybenzoic acid
1918021	Picloram
1918167	2-Chloro-N-(1-methylethyl)-N-phenylacetamide
1918167	Propachlor

1928387	2,4-D Esters
1928434	2,4-D 2-ethylhexyl ester
1928478	2,4,5-T esters
1928616	2,4-D Esters
1929733	2,4-D butoxyethyl ester
1929733	2,4-D Esters
1929824	2-Chloro-6-(trichloromethyl)pyridine
1929824	Nitrapyrin
1937377	C.I. Direct Black 38
1982474	Chloroxuron
1982690	3,6-Dichloro-2-methoxybenzoic acid, sodium salt
1982690	Sodium dicamba
1983104	Tributyltin fluoride
2001958	Valinomycin
2008460	2,4,5-T amines
2032657	Mercaptodimethur
2032657	Methiocarb
2074502	Paraquat methosulfate
2097190	Phenylsilatrane
2104645	EPN
2155706	Tributyltin methacrylate
2164070	Dipotassium endothall
2164070	7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt
2164172	Fluometuron
2164172	Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-
2212671	1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester
2212671	Molinate
2223930	Cadmium stearate
2231574	Thiocarbazine
2234131	Octachloronaphthalene
2238075	Diglycidyl ether
2275185	Prothoate
2300665	Dimethylamine dicamba
2303164	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propyl)
2303164	Diallate
2303175	Triallate
2312358	Propargite
2439012	Chinomethionat
2439012	6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one
2439103	Dodecylguanidine monoacetate
2439103	Dodine
2497076	Oxydisulfoton
2524030	Dimethyl chlorothiophosphate
2524030	Dimethyl phosphorochloridothioate
2540821	Formothion
2545597	2,4,5-T esters
2556367	1,4-Cyclohexane diisocyanate
2570265	Pentadecylamine

2587908	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)est
2602462	C.I. Direct Blue 6
2631370	Promecarb
2636262	Cyanophos
2642719	Azinphos-ethyl
2655154	2,3,5-Trimethylphenyl methylcarbamate
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl es
2699798	Sulfuryl fluoride
2699798	Vikane
2702729	2,4-D sodium salt
2703131	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phen
2757188	Thallos malonate
2763964	5-(Aminomethyl)-3-isoxazolol
2763964	Muscimol
2764729	Diquat
2778043	Endothion
2832408	C.I. Disperse Yellow 3
2837890	2-Chloro-1,1,1,2-tetrafluoroethane
2837890	HCFC-124
2921882	Chlorpyrifos
2944674	Ferric ammonium oxalate
2971382	2,4-D chlorocrotyl ester
2971382	2,4-D Esters
3012655	Ammonium citrate, dibasic
3037727	Silane, (4-aminobutyl)diethoxymethyl-
3118976	C.I. Solvent Orange 7
3164292	Ammonium tartrate
3165933	4-Chloro-o-toluidine, hydrochloride
3173726	1,5-Naphthalene diisocyanate
3251238	Cupric nitrate
3254635	Phosphoric acid, dimethyl 4-(methylthio) phenyl ester
3268879	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin
3288582	O,O-Diethyl S-methyl dithiophosphate
3383968	Temephos
3486359	Zinc carbonate
3547044	DDE
3569571	Sulfoxide, 3-chloropropyl octyl
3615212	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-
3653483	(4-Chloro-2-methylphenoxy) acetate sodium salt
3653483	Methoxone sodium salt
3689245	Sulfotep
3689245	Tetraethyldithiopyrophosphate
3691358	Chlorophacinone
3697243	5-Methylchrysene
3734972	Amiton oxalate
3735237	Methyl phenkapton
3761533	C.I. Food Red 5
3813147	2,4,5-T amines



3878191	Fuberidazole
4044659	Bitoscanate
4080313	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride
4098719	Isophorone diisocyanate
4104147	Phosacetim
4109960	Dichlorosilane
4109960	Silane, dichloro-
4128738	4,4'-Diisocyanatodiphenyl ether
4170303	2-Butenal
4170303	Crotonaldehyde
4301502	Fluenetil
4418660	Phenol, 2,2'-thiobis[4-chloro-6-methyl-
4549400	N-Nitrosomethylvinylamine
4680788	C.I. Acid Green 3
4835114	Hexamethylenediamine, N,N'-dibutyl-
5124301	1,1'-Methylene bis(4-isocyanatocyclohexane)
5234684	Carboxin
5234684	5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide
5344821	Thiourea, (2-chlorophenyl)-
5385751	Dibenzo(a,e)fluoranthene
5522430	1-Nitropyrene
5598130	Chlorpyrifos methyl
5598130	O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate
5836293	Coumatetralyl
5893663	Cupric oxalate
5902512	5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidin
5902512	Terbacil
5952261	Ethanol, 2,2'-oxybis-, dicarbamate
5972736	Ammonium oxalate
6009707	Ammonium oxalate
6369966	2,4,5-T amines
6369977	2,4,5-T amines
6459945	C.I. Acid Red 114
6533739	Thallium(I) carbonate
6533739	Thallos carbonate
6923224	Monocrotophos
7005723	4-Chlorophenyl phenyl ether
7287196	N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamin
7287196	Prometryn
7421934	Endrin aldehyde
7428480	Lead stearate
7429905	Aluminum (fume or dust)
7439921	Lead
7439965	Manganese
7439976	Mercury
7440020	Nickel
7440224	Silver
7440235	Sodium

7440280	Thallium
7440360	Antimony
7440382	Arsenic
7440393	Barium
7440417	Beryllium
7440439	Cadmium
7440473	Chromium
7440484	Cobalt
7440508	Copper
7440622	Vandium (except when contained in an alloy)
7440666	Zinc
7440666	Zinc (fume or dust)
7446084	Selenium dioxide
7446095	Sulfur dioxide
7446095	Sulfur dioxide (anhydrous)
7446119	Sulfur trioxide
7446142	Lead sulfate
7446186	Thallium(I) sulfate
7446186	Thallosulfate
7446277	Lead phosphate
7447394	Cupric chloride
7487947	Mercuric chloride
7488564	Selenium sulfide
7550450	Titanium chloride (TiCl <sub>4</sub> ) (T-4)-
7550450	Titanium tetrachloride
7558794	Sodium phosphate, dibasic
7580678	Lithium hydride
7601549	Sodium phosphate, tribasic
7631892	Sodium arsenate
7631905	Sodium bisulfite
7632000	Sodium nitrite
7637072	Borane, trifluoro-
7637072	Boron trifluoride
7645252	Lead arsenate
7646857	Zinc chloride
7647010	Hydrochloric acid
7647010	Hydrochloric acid (conc 37% or greater)
7647010	Hydrochloric acid (aerosol forms only)
7647010	Hydrogen chloride (anhydrous)
7647010	Hydrogen chloride (gas only)
7647189	Antimony pentachloride
7664382	Phosphoric acid
7664393	Hydrofluoric acid
7664393	Hydrofluoric acid (conc. 50% or greater)
7664393	Hydrogen fluoride
7664393	Hydrogen fluoride (anhydrous)
7664417	Ammonia
7664417	Ammonia (anhydrous)

7664417	Ammonia (conc 20% or greater)
7664939	Sulfuric acid
7664939	Sulfuric acid (aerosol forms only)
7681494	Sodium fluoride
7681529	Sodium hypochlorite
7696120	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
7696120	Tetramethrin
7697372	Nitric acid
7697372	Nitric acid (conc 80% or greater)
7699458	Zinc bromide
7705080	Ferric chloride
7718549	Nickel chloride
7719122	Phosphorous trichloride
7719122	Phosphorus trichloride
7720787	Ferrous sulfate
7722647	Potassium permanganate
7722841	Hydrogen peroxide (Conc.> 52%)
7723140	Phosphorus
7723140	Phosphorus (yellow or white)
7726956	Bromine
7733020	Zinc sulfate
7738945	Chromic acid
7758012	Potassium bromate
7758294	Sodium phosphate, tribasic
7758943	Ferrous chloride
7758954	Lead chloride
7758987	Cupric sulfate
7761888	Silver nitrate
7773060	Ammonium sulfamate
7775113	Sodium chromate
7778394	Arsenic acid
7778441	Calcium arsenate
7778509	Potassium bichromate
7778543	Calcium hypochlorite
7779864	Zinc hydrosulfite
7779886	Zinc nitrate
7782414	Fluorine
7782492	Selenium
7782505	Chlorine
7782630	Ferrous sulfate
7782823	Sodium selenite
7782867	Mercurous nitrate
7783008	Selenious acid
7783064	Hydrogen sulfide
7783075	Hydrogen selenide
7783359	Mercuric sulfate
7783462	Lead fluoride
7783495	Zinc fluoride

7783508	Ferric fluoride
7783564	Antimony trifluoride
7783600	Sulfur fluoride (SF <sub>4</sub> ), (T-4)-
7783600	Sulfur tetrafluoride
7783702	Antimony pentafluoride
7783804	Tellurium hexafluoride
7784341	Arsenous trichloride
7784409	Lead arsenate
7784410	Potassium arsenate
7784421	Arsine
7784465	Sodium arsenite
7785844	Sodium phosphate, tribasic
7786347	Mevinphos
7786814	Nickel sulfate
7787475	Beryllium chloride
7787497	Beryllium fluoride
7787555	Beryllium nitrate
7788989	Ammonium chromate
7789006	Potassium chromate
7789062	Strontium chromate
7789095	Ammonium bichromate
7789426	Cadmium bromide
7789437	Cobaltous bromide
7789619	Antimony tribromide
7790945	Chlorosulfonic acid
7791120	Thallium chloride TlCl
7791120	Thallos chloride
7791211	Chlorine monoxide
7791211	Chlorine oxide
7791233	Selenium oxychloride
7803512	Phosphine
7803556	Ammonium vanadate
7803625	Silane
8001352	Camphchlor
8001352	Camphene, octachloro-
8001352	Toxaphene
8001589	Creosote
8003198	Dichloropropane - Dichloropropene (mixture)
8003347	Pyrethrins
8014957	Oleum (fuming sulfuric acid)
8014957	Sulfuric acid (fuming)
8014957	Sulfuric acid, mixture with sulfur trioxide
8065483	Demeton
9006422	Metiram
9016879	Polymeric diphenylmethane diisocyanate
10022705	Sodium hypochlorite
10025737	Chromic chloride
10025782	Silane, trichloro-

10025782	Trichlorosilane
10025873	Phosphorus oxychloride
10025873	Phosphoryl chloride
10025919	Antimony trichloride
10026116	Zirconium tetrachloride
10026138	Phosphorus pentachloride
10028156	Ozone
10028225	Ferric sulfate
10031591	Thallium sulfate
10034932	Hydrazine sulfate
10039324	Sodium phosphate, dibasic
10043013	Aluminum sulfate
10045893	Ferrous ammonium sulfate
10045940	Mercuric nitrate
10049044	Chlorine dioxide
10049044	Chlorine oxide (ClO <sub>2</sub> )
10049055	Chromous chloride
10061026	trans-1,3-Dichloropropene
10099748	Lead nitrate
10101538	Chromic sulfate
10101630	Lead iodide
10101890	Sodium phosphate, tribasic
10102064	Uranyl nitrate
10102188	Sodium selenite
10102202	Sodium tellurite
10102439	Nitric oxide
10102439	Nitrogen oxide (NO)
10102440	Nitrogen dioxide
10102451	Thallium(I) nitrate
10102484	Lead arsenate
10108642	Cadmium chloride
10124502	Potassium arsenite
10124568	Sodium phosphate, tribasic
10140655	Sodium phosphate, dibasic
10140871	Ethanol, 1,2-dichloro-, acetate
10192300	Ammonium bisulfite
10196040	Ammonium sulfite
10210681	Cobalt carbonyl
10222012	2,2-Dibromo-3-nitrilopropionamide
10265926	Methamidophos
10294345	Borane, trichloro-
10294345	Boron trichloride
10311849	Dialifor
10347543	1,4-Bis(methylisocyanate)cyclohexane
10361894	Sodium phosphate, tribasic
10380297	Cupric sulfate, ammoniated
10415755	Mercurous nitrate
10421484	Ferric nitrate

10453868	5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1
10453868	Resmethrin
10476956	Methacrolein diacetate
10544726	Nitrogen dioxide
10588019	Sodium bichromate
10605217	Carbendazim
11096825	Aroclor 1260
11097691	Aroclor 1254
11104282	Aroclor 1221
11115745	Chromic acid
11141165	Aroclor 1232
12002038	Cupric acetoarsenite
12002038	Paris green
12039520	Selenious acid, dithallium(1+) salt
12054487	Nickel hydroxide
12108133	Manganese, tricarbonyl methylcyclopentadienyl
12122677	Carbamodithioic acid, 1,2-ethanediybis-, zinc complex
12122677	Zineb
12125018	Ammonium fluoride
12125029	Ammonium chloride
12135761	Ammonium sulfide
12427382	Carbamodithioic acid, 1,2-ethanediybis-, manganese comple
12427382	Maneb
12672296	Aroclor 1248
12674112	Aroclor 1016
12771083	Sulfur monochloride
13071799	Terbufos
13171216	Phosphamidon
13194484	Ethoprop
13194484	Ethoprofos
13194484	Phosphorodithioic acid O-ethyl S,S-dipropyl ester
13356086	Fenbutatin oxide
13356086	Hexakis(2-methyl-2-phenylpropyl)distannoxane
13410010	Sodium selenate
13450903	Gallium trichloride
13463393	Nickel carbonyl
13463406	Iron carbonyl (Fe(CO) <sub>5</sub> ), (TB-5-11)-
13463406	Iron, pentacarbonyl-
13474889	1,1-Dichloro-1,2,2,3,3-pentafluoropropane
13474889	HCFC-225cc
13560991	2,4,5-T salts
13597994	Beryllium nitrate
13684565	Desmedipham
13746899	Zirconium nitrate
13765190	Calcium chromate
13814965	Lead fluoborate
13826830	Ammonium fluoborate
13952846	sec-Butylamine

14017415	Cobaltous sulfamate
14167181	Salcomine
14216752	Nickel nitrate
14258492	Ammonium oxalate
14307358	Lithium chromate
14307438	Ammonium tartrate
14484641	Ferbam
14484641	Tris(dimethylcarbamodithioato-S,S')iron
14639975	Zinc ammonium chloride
14639986	Zinc ammonium chloride
14644612	Zirconium sulfate
15271417	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methylami
15339363	Manganese, bis(dimethylcarbamodithioato-S,S')-
15646965	2,4,4-Trimethylhexamethylene diisocyanate
15699180	Nickel ammonium sulfate
15739807	Lead sulfate
15950660	2,3,4-Trichlorophenol
15972608	Alachlor
16071866	C.I. Direct Brown 95
16543558	N-Nitrosornicotine
16721805	Sodium hydrosulfide
16752775	Ethanimidothioic acid, N-[[methylamino)carbonyl]
16752775	Methomyl
16871719	Zinc silicofluoride
16919190	Ammonium silicofluoride
16923958	Zirconium potassium fluoride
16938220	2,2,4-Trimethylhexamethylene diisocyanate
17702419	Decaborane(14)
17702577	Formparanate
17804352	Benomyl
18883664	Streptozotocin
19044883	4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide
19044883	Oryzalin
19287457	Diborane
19287457	Diborane(6)
19408743	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin
19624227	Pentaborane
19666309	3-(2,4-Dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-dimethyleth
19666309	Oxydiazon
20325400	o-Dianisidine dihydrochloride
20325400	3,3'-Dimethoxybenzidine dihydrochloride
20354261	2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dior
20354261	Methazole
20816120	Osmium oxide OsO4 (T-4)-
20816120	Osmium tetroxide
20830755	Digoxin
20830813	Daunomycin
20859738	Aluminum phosphide

21087649	Metribuzin
21548323	Fosthietan
21609905	Leptophos
21725462	Cyanazine
21908532	Mercuric oxide
21923239	Chlorthiophos
22224926	Fenamiphos
22781233	Bendiocarb
22781233	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate
22961826	Bendiocarb phenol
23135220	Oxamyl
23422539	Formetanate hydrochloride
23505411	Pirimifos-ethyl
23564058	Thiophanate-methyl
23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diet
23564069	Thiophanate ethyl
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl
23950585	Pronamide
24017478	Triazofos
24934916	Chlormephos
25154545	Dinitrobenzene (mixed isomers)
25154556	Nitrophenol (mixed isomers)
25155300	Sodium dodecylbenzenesulfonate
25167673	Butene
25167822	Trichlorophenol
25168154	2,4,5-T esters
25168267	2,4-D Esters
25311711	2-((Ethoxyl((1-methylethyl)amino]phosphinothioyl]oxy) benzoil
25311711	Isofenphos
25321146	Dinitrotoluene (mixed isomers)
25321226	Dichlorobenzene
25321226	Dichlorobenzene (mixed isomers)
25376458	Diaminotoluene (mixed isomers)
25376458	Toluenediamine
25550587	Dinitrophenol
26002802	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
26002802	Phenothrin
26264062	Calcium dodecylbenzenesulfonate
26419738	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)m
26471625	Benzene, 1,3-diisocyanatomethyl-
26471625	Toluenediisocyanate (mixed isomers)
26471625	Toluene diisocyanate (unspecified isomer)
26628228	Sodium azide (Na(N <sub>3</sub> ))
26638197	Dichloropropane
26644462	N,N'-(1,4-Piperazinediylbis(2,2,2-trichloroethylidene)) bisform
26644462	Triforine
26952238	Dichloropropene
27137855	Trichloro(dichlorophenyl)silane



27176870	Dodecylbenzenesulfonic acid
27314132	4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-
27314132	Norflurazon
27323417	Triethanolamine dodecylbenzene sulfonate
27774136	Vanadyl sulfate
28057489	d-trans-Allethrin
28057489	d-trans-Chrysanthemic acid of d-allethrine
28249776	Carbamic acid, diethylthio-, S-(p-chlorobenzyl)
28249776	Thiobencarb
28300745	Antimony potassium tartrate
28347139	Xylylene dichloride
28407376	C.I. Direct Blue 218
28772567	Bromadiolone
29082744	Octachlorostyrene
29232937	O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl pho
29232937	Pirimiphos methyl
30525894	Paraformaldehyde
30558431	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, n
30560191	Acephate
30560191	Acetylphosphoramidothioic acid O,S-dimethyl ester
30674807	Methacryloyloxyethyl isocyanate
31218834	3-((Ethylamino)methoxyphosphinothioyl)oxy)-2-butenic acid,
31218834	Propetamphos
32534955	2,4,5-TP esters
33089611	Amitraz
33213659	beta - Endosulfan
34014181	N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylur
34014181	Tebuthiuron
34077877	Dichlorotrifluoroethane
35367385	Diflubenzuron
35400432	O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-pro
35400432	Sulprofos
35554440	1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazo
35554440	Imazalil
35691657	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile
35822469	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
36478769	Uranyl nitrate
37211055	Nickel chloride
38661722	1,3-Bis(methylisocyanate)cyclohexane
38727558	Diethatyl ethyl
39001020	1,2,3,4,6,7,8,9-octachlorodibenzofuran
39156417	2,4-Diaminoanisole sulfate
39196184	Thiofanox
39227286	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
39300453	Dinocap
39515418	Fenpropathrin
39515418	2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phe
40321764	1,2,3,7,8-pentachlorodibenzo-p-dioxin

40487421	N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
40487421	Pendimethalin
41198087	O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioa
41198087	Profenofos
41766750	3,3'-Dimethylbenzidine dihydrofluoride
41766750	o-Tolidine dihydrofluoride
42504461	Isopropanolamine dodecylbenzene sulfonate
42874033	Oxyfluorfen
43121433	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-t
43121433	Triadimefon
50471448	3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedior
50471448	Vinclozolin
50782699	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino
51207319	2,3,7,8-tetrachlorodibenzofuran
51235042	Hexazinone
51338273	2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid, methyl es
51338273	Diclofop methyl
51630581	4-Chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-ph
51630581	Fenvalerate
52628258	Zinc ammonium chloride
52645531	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic
52645531	Permethrin
52652592	Lead stearate
52740166	Calcium arsenite
52888809	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
53404196	Bromacil, lithium salt
53404196	2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylp
53404378	2,4-D 2-ethyl-4-methylpentyl ester
53404607	Dazomet, sodium salt
53404607	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-
53467111	2,4-D Esters
53469219	Aroclor 1242
53558251	Pyriminil
55285148	Carbosulfan
55290647	2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide
55290647	Dimethipin
55406536	3-Iodo-2-propynyl butylcarbamate
55488874	Ferric ammonium oxalate
55673897	1,2,3,4,7,8,9-heptachlorodibenzofuran
56189094	Lead stearate
57117314	2,3,4,7,8-pentachlorodibenzofuran
57117416	1,2,3,7,8-pentachlorodibenzofuran
57117449	1,2,3,6,7,8-hexachlorodibenzofuran
57213691	Triclopyr triethylammonium salt
57653857	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin
58270089	Zinc, dichloro(4,4-dimethyl-5((((methylamino)carbonyl)oxy)im
59669260	Thiodicarb
60168889	.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidine

60168889	Fenarimol
60207901	1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-1
60207901	Propiconazole
60851345	2,3,4,6,7,8-hexachlorodibenzofuran
61792072	2,4,5-T esters
62207765	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluor
62476599	Acifluorfen, sodium salt
62476599	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, s
63938103	Chlorotetrafluoroethane
64902723	2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)ca
64902723	Chlorsulfuron
64969342	3,3'-Dichlorobenzidine sulfate
66441234	2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic aci
66441234	Fenoxaprop ethyl
67485294	Hydramethylnon
67485294	Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone(3-(4-(trifluorome
67562394	1,2,3,4,6,7,8-heptachlorodibenzofuran
68085858	3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropa
68085858	Cyhalothrin
68359375	Cyfluthrin
68359375	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic a
69409945	N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3-p
69409945	Fluvalinate
69806504	Fluazifop butyl
69806504	2-(4-((5-(Trifluoromethyl)-2-pyridinyl)oxy)-phenoxy)propanoic
70648269	1,2,3,4,7,8-hexachlorodibenzofuran
71751412	Abamectin
71751412	Avermectin B1
72178020	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-n
72178020	Fomesafen
72490018	Fenoxycarb
72490018	(2-(4-Phenoxyphenoxy)ethyl carbamic acid ethyl ester
72918219	1,2,3,7,8,9-hexachlorodibenzofuran
74051802	2-(1-(Ethoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxyl-2-c
74051802	Sethoxydim
75790840	4-Methyldiphenylmethane-3,4-diisocyanate
75790873	2,4'-Diisocyanatodiphenyl sulfide
76578148	2-(4-((6-Chloro-2-quinoxalinyloxy]phenoxy) propanoic acid et
76578148	Quizalofop-ethyl
77501634	Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-
77501634	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-me
77501634	Lactofen
82657043	Bifenthrin
88671890	.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-prop
88671890	Myclobutanil
90454185	Dichloro-1,1,2-trifluoroethane
90982324	Chlorimuron ethyl
90982324	Ethyl-2-((((4-chloro-6-methoxyprimidin-2-yl)amino)carbonyl)a

101200480	2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbor
101200480	Tribenuron methyl
111512562	1,1-Dichloro-1,2,3,3,3-pentafluoropropane
111512562	HCFC-225eb
111984099	o-Dianisidine hydrochloride
111984099	3,3'-Dimethoxybenzidine hydrochloride
127564925	Dichloropentafluoropropane
128903219	2,2-Dichloro-1,1,1,3,3-pentafluoropropane
128903219	HCFC-225aa
134190377	Diethyldiisocyanatobenzene
136013791	1,3-Dichloro-1,1,2,3,3-pentafluoropropane
136013791	HCFC-225ea
N010	Antimony Compounds
N020	Arsenic Compounds
N040	Barium Compounds
N050	Beryllium Compounds
N078	Cadmium Compounds
N084	Chlorinated Phenols
N084	Chlorophenols
N090	Chromium Compounds
N096	Cobalt Compounds
N100	Copper Compounds
N106	Cyanide Compounds
N120	Diisocyanates (includes only 20 chemicals)
N150	Dioxin and dioxin-like compounds (includes only 17 chemicals)
N171	Ethylenebisdithiocarbamic acid, salts and esters
N230	Glycol Ethers
N420	Lead Compounds
N450	Manganese Compounds
N458	Mercury Compounds
N495	Nickel Compounds
N503	Nicotine and salts
N511	Nitrate compounds (water dissociable)
N575	Polybrominated Biphenyls (PBBs)
N583	Polychlorinated alkanes (C10 to C13)
N590	Polycyclic aromatic compounds (includes only 19 chemicals)
N725	Selenium Compounds
N740	Silver Compounds
N746	Strychnine and salts
N760	Thallium Compounds
N770	Vandium Compounds
N874	Warfarin and salts
N982	Zinc Compounds

THE LIST BELOW CONTAINS RCRA WASTE STREAMS AT  
THE FOLLOWING LIST SHOULD BE USED FOR REFEREN  
The following spent halogenated solvents used in  
degreasing:

- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
- (b) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
- (c) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
- (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
- (e) Carbon tetrachloride (CAS No. 56-23-5, RCRA Waste No. U211)
- (f) Chlorinated fluorocarbons

The following spent halogenated solvents:

- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
- (b) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
- (c) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
- (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
- (e) Chlorobenzene (CAS No. 108-90-7, RCRA Waste No. U037)

- (f) 1,1,2-Trichloro-1,2,2-trifluoroethane (CAS No. 76-13-1)
- (g) o-Dichlorobenzene (CAS No. 95-50-1, RCRA Waste No. U070)
- (h) Trichlorofluoromethane (CAS No. 75-69-4, RCRA Waste No. U121)
- (i) 1,1,2-Trichloroethane (CAS No. 79-00-5, RCRA Waste No. U227)

The following spent non-halogenated solvents and still bottoms from recovery:

- (a) Xylene (CAS No. 1330-20-7, RCRA Waste No. U239)
- (b) Acetone (CAS No. 67-64-1, RCRA Waste No. U002)
- (c) Ethyl acetate (CAS No. 141-78-6, RCRA Waste No. U112)
- (d) Ethylbenzene (CAS No. 100-41-4)
- (e) Ethyl ether (CAS No. 60-29-7, RCRA Waste No. U117)
- (f) Methyl isobutyl ketone (CAS No. 108-10-1, RCRA Waste No. U161)
- (g) n-Butyl alcohol (CAS No. 71-36-3, RCRA Waste No. U031)
- (h) Cyclohexanone (CAS No. 108-94-1, RCRA Waste No. U057)
- (i) Methanol (CAS No. 67-56-1, RCRA Waste No. U154)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Cresols/cresylic acid (CAS No. 1319-77-3, RCRA Waste No. U052)

(b) Nitrobenzene (CAS No. 98-95-3, RCRA Waste No. U169)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Toluene (CAS No. 108-88-3, RCRA Waste No. U220)

(b) Methyl ethyl ketone (CAS No. 78-93-3, RCRA Waste No. U159)

(c) Carbon disulfide (CAS No. 75-15-0, RCRA Waste No. P022)

(d) Isobutanol (CAS No. 78-83-1, RCRA Waste No. U140)

(e) Pyridine (CAS No. 110-86-1, RCRA Waste No. U196)

Wastewater treatment sludges from electroplating operations (w/some exceptions)

Spent cyanide plating bath solns. from electroplating

Plating bath residues from electroplating where cyanides are used

Spent stripping/cleaning bath solns. from electroplating where cyanides are used

Quenching bath residues from metal heat treating where cyanides are used

Spent cyanide soln. from salt bath pot cleaning from metal heat treating

Quenching wastewater sludges from metal heat treating where cyanides are used

Wastewater treatment sludges from chemical conversion aluminum coating

Wastes from prod. or use of tri/tetrachlorophenol or derivative intermediates

Wastes from prod. or use of pentachlorophenol or intermediates for derivatives

Wastes from use of tetra/penta/hexachlorobenzenes under alkaline conditions

Wastes from mat. prod. on equip. previously used for tri/tetrachlorophenol

Wastes from production of chlorinated aliphatic hydrocarbons (C1-C5)

Lights ends, filters from prod. of chlorinated aliphatic hydrocarbons (C1-C5)

Waste from equipment previously used to prod. tetra/penta/hexachlorobenzenes

Discarded formulations containing tri/tetra/pentachlorophenols or derivatives

Residues from incineration of soil contaminated w/  
F020,F021,F022,F023,F026,F027

Wastewaters, process residuals from wood preserving using  
chlorophenolic solns.

Wastewaters, process residuals from wood preserving using  
creosote formulations

Wastewaters, process residuals from wood preserving using  
arsenic or chromium

Petroleum refinery primary oil/water/solids separation sludge

Petroleum refinery secondary (emulsified) oil/water/solids  
separation sludge

Multisource leachate

Wastewater treatment sludge from  
creosote/pentachlorophenol wood preserving

Wastewater treatment sludge from prod. of chrome yellow  
and orange pigments

Wastewater treatment sludge from prod. of molybdate  
orange pigments

Wastewater treatment sludge from prod. of zinc yellow  
pigments

Wastewater treatment sludge from prod. of chrome green  
pigments

Wastewater treatment sludge from prod. of chrome oxide  
green pigments

Wastewater treatment sludge from prod. of iron blue  
pigments

Oven residue from prod. of chrome oxide green pigments

Dist. bottoms from prod. of acetaldehyde from ethylene

Dist. side cuts from prod. of acetaldehyde from ethylene

Bottom stream from wastewater stripper in acrylonitrile prod.

Bottom stream from acetonitrile column in acrylonitrile prod.

Bottoms from acetonitrile purification column in acrylonitrile  
prod.

Still bottoms from the dist. of benzyl chloride

Heavy ends or dist. residues from prod. of carbon  
tetrachloride

Heavy ends from the purification column in epichlorohydrin  
prod.

Heavy ends from the fractionation column in ethyl chloride  
prod.

Heavy ends from the dist. of ethylene dichloride during its  
prod.

Heavy ends from the dist. of vinyl chloride during prod. of the  
monomer

Aqueous spent antimony catalyst waste from fluoromethanes prod.

Dist. bottom tars from prod. of phenol/acetone from cumene

Dist. light ends from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of nitrobenzene by nitration of benzene

Stripping still tails from the prod. of methyl ethyl pyridines

Centrifuge/dist. residues from toluene diisocyanate prod.

Spent catalyst from hydrochlorinator reactor in prod. of 1,1,1-trichloroethane

Waste from product steam stripper in prod. of 1,1,1-trichloroethane

Column bottoms/heavy ends from prod. of trichloroethylene and perchloroethylene

By-product salts generated in the prod. of MSMA and cacodylic acid

Wastewater treatment sludge from the prod. of chlordane

Wastewater/scrubwater from chlorination of cyclopentadiene in chlordane prod.

Filter solids from filtration of hexachlorocyclopentadiene in chlordane prod.

Wastewater treatment sludges from the prod. of creosote

Still bottoms from toluene reclamation distillation in disulfoton prod.

Wastewater treatment sludges from the prod. of disulfoton

Wastewater from the washing and stripping of phorate production

Filter cake from filtration of diethylphosphorodithioic acid in phorate prod.

Wastewater treatment sludge from the prod. of phorate

Wastewater treatment sludge from the prod. of toxaphene

Heavy ends/residues from dist. of tetrachlorobenzene in 2,4,5-T prod.

2,6-Dichlorophenol waste from the prod. of 2,4-D

Wastewater treatment sludge from manuf. and processing of explosives

Spent carbon from treatment of wastewater containing explosives

Wastewater sludge from manuf.,formulating,loading of lead-based initiating compd

Pink/red water from TNT operations



Dissolved air flotation (DAF) float from the petroleum refining industry

Slop oil emulsion solids from the petroleum refining industry  
Heat exchanger bundle cleaning sludge from petroleum refining industry

API separator sludge from the petroleum refining industry

Tank bottoms (leaded) from the petroleum refining industry  
Ammonia still lime sludge from coking operations

Emission control dust/sludge from primary prod. of steel in electric furnaces

Spent pickle liquor generated by steel finishing (SIC codes 331 and 332)

Acid plant blowdown slurry/sludge from blowdown slurry from primary copper prod.

Surface impoundment solids at primary lead smelting facilities

Sludge from treatment of wastewater/acid plant blowdown from primary zinc prod.

Emission control dust/sludge from secondary lead smelting  
Brine purification muds from mercury cell process in chlorine production

Chlorinated hydrocarbon waste from diaphragm cell process in chlorine production

Distillation bottoms from aniline extraction

Wastewater sludges from prod. of veterinary pharm. from arsenic compds.

Distillation or fractionation column bottoms in prod. of chlorobenzenes

Wastes/sludges from prod. of inks from chromium and lead-containing substances

Decanter tank tar sludge from coking operations

Spent potliners from primary aluminum reduction

Emission control dust/sludge from ferrochromiumsilicon prod.

Emission control dust/sludge from ferrochromium prod.

Dist. light ends from prod. of phthalic anhydride by ortho-xylene

Dist. bottoms in prod. of phthalic anhydride by ortho-xylene

Distillation bottoms in prod. of 1,1,1-trichloroethane

Heavy ends from dist. column in prod. of 1,1,1-trichloroethane

Vacuum stripper discharge from the chlordane chlorinator in prod. of chlordane

Untreated process wastewater from the prod. of toxaphene  
Untreated wastewater from the prod. of 2,4-D  
Waste leaching soln from emission control dust/sludge in  
secondary lead smelting  
Dist. tar residue from aniline in prod. of veterinary pharm.  
from arsenic compd.  
Residue from activated carbon in prod. of veterinary pharm.  
from arsenic compds.  
Process residues from aniline extraction from the prod. of  
aniline  
Combined wastewater streams generated from prod. of  
nitrobenzene/aniline

Aqueous stream from washing in prod. of chlorobenzenes  
Wastewater treatment sludge from mercury cell process in  
chlorine prod.  
Column bottoms from separation in prod. of UDMH from  
carboxylic acid hydrazides  
Condensed column overheads and vent gas from prod. of  
UDMH from -COOH hydrazides  
Spent filter cartridges from purif. of UDMH prod. from  
carboxylic acid hydrazides  
Condensed column overheads from separation in UDMH  
prod. from -COOH hydrazides  
Product washwaters from prod. of dinitrotoluene via nitration  
of toluene  
Reaction by-product water from drying in toluenediamine  
prod from dinitrotoluene  
Condensed liquid light ends from purification of  
toluenediamine during its prod.  
Vicinals from purification of toluenediamine during its prod  
from dinitrotoluene  
Heavy ends from toluenediamine purification during prod.  
from dinitrotoluene  
Organic condensate from solvent recovery system in prod.  
of toluene diisocyanate  
Wastewater from vent gas scrubber in ethylene bromide  
prod by ethene bromination  
Spent absorbent solids in purification of ethylene dibromide  
in its prod.  
Process wastewater from the prod. of  
ethylenebisdithiocarbamic acid and salts  
Reactor vent scrubber water from prod of  
ethylenebisdithiocarbamic acid and salts  
Filtration/other solids from prod. of  
ethylenebisdithiocarbamic acid and salts

Dust/sweepings from the prod. of ethylenebisdithiocarbamic acid and salts

Wastewater and spent sulfuric acid from the prod. of methyl bromide

Spent absorbent and wastewater solids from the prod. of methyl bromide

Still bottoms from ethylene dibromide purif. in prod. by ethene bromination

Process residues from coal tar recovery in coking

Tar storage tank residues from coke prod. from coal or recovery of coke by-prods

Process residues from recovery of light oil in coking

Wastewater residues from light oil refining in coking

Residues from naphthalene collection and recovery from coke by-products

Tar storage tank residues from coal tar refining in coking

Residues from coal tar distillation, including still bottoms, in coking

Distillation bottoms from the prod. of chlorinated toluenes/benzoyl chlorides

Organic residuals from Cl gas and HCl recovery from chlorinated toluene prod.

Wastewater treatment sludge from production of chlorotoluenes/benzoyl chlorides

Organic waste from production of carbamates and carbamoyl oximes

Wastewaters from production of carbamates and carbamoyl oximes (not sludges)

Bag house dusts & filter/separation solids from prod of carbamates, carb oximes

Organics from treatment of thiocarbamate waste

Purif. solids/bag house dust/sweepings from prod of dithiocarbamate acids/salts

Crude oil storage tank sediment from refining operations

Clarified slurry oil tank sediment of in-line filter/separation solids

Spent hydrotreating catalyst

Spent hydrorefining catalyst

Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (EDC/VCM)

Wastewater treatment sludges from the production vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process

Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process

Nonwastewaters generated from the production of certain dyes, pigments, and FD&C colorants

Unlisted hazardous wastes characteristic of ignitability

Unlisted hazardous wastes characteristic of corrosivity

Unlisted hazardous wastes characteristic of reactivity

Unlisted hazardous wastes characteristic of toxicity:

Arsenic

Barium

Cadmium

Chromium

Lead

Mercury

Selenium

Silver

Endrin

Lindane

Methoxychlor

Toxaphene

2,4-D

2,4,5-TP

Benzene

Carbon tetrachloride

Chlordane

Chlorobenzene

Chloroform

o-Cresol

m-Cresol

p-Cresol

Cresol

1,4-Dichlorobenzene

1,2-Dichloroethane

1,1-Dichloroethylene

2,4-Dinitrotoluene

Heptachlor (and epoxide)

Hexachlorobenzene

Hexachlorobutadiene

Hexachloroethane

Methyl ethyl ketone

Nitrobenzene

Pentachlorophenol

Pyridine

Tetrachloroethylene

Trichloroethylene

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

Vinyl chloride

NAMEINDEX	Section 302 (EHS) TPQ	Section 304 EHS RQ
BARIUM COMPOUNDS EXCEPTION		
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)		
CHLORINATED BENZENES		
CHLORINATED ETHANES		
CHLORINATED NAPHTHALENE		
CHLOROALKYL ETHERS		
COKE OVEN EMISSIONS		
COPPER COMPOUNDS EXCEPTION1		
COPPER COMPOUNDS EXCEPTION2		
COPPER COMPOUNDS EXCEPTION3		
COPPER COMPOUNDS EXCEPTION4		
DDT AND METABOLITES		
DICHLOROBENZIDINE		
DIPHENYLHYDRAZINE		
ENDOSULFAN AND METABOLITES		
ENDRIN AND METABOLITES		
FINEMINERALFIBERS		
HALOETHERS		
HALOMETHANES		
HEPTACHLOR AND METABOLITES		
NITROPHENOLS		
NITROSAMINES		
ORGANORHODIUM COMPLEX (PMN-82)	10/10,000	10
PHTHALATE ESTERS		
POLYCYCLICORGANICMATTER		
POLYNUCLEAR AROMATIC HYDROCARBONS		
FORMALDEHYDE	500	100
FORMALDEHYDESOLUTION)	500	100
MITOMYCIN C	500/10,000	10
ERGOCALCIFEROL	1,000/10,000	1,000
CYCLOPHOSPHAMIDE		
DDT		
BENZOPYRENE		
RESERPINE		
PIPERONYLBUTOXIDE		
FLUOROURACIL	500/10,000	500
FLUOROURACIL,5-	500/10,000	500
DINITROPHENOLB		
EPINEPHRINE		
CHLOROCHLOROETHYL)-N-METHYLETHANAMIN	10	10
MECHLORETHAMINE	10	10
NITROGENMUSTARD	10	10
CARBAMIC ACIDETHYL ESTER		
ETHYLCARBAMATE		
URETHANE		
CARBACHOL CHLORIDE	500/10,000	500
PHOSPHONICACIDTRICHLORO-1-HYDROXYETHYL)-,DIMETHYL		

TRICHLORFON		
FAMPHUR		
DIBENZANTHRACENE		
ACETYLAMINOFLUOREN		
NICOTINE	100	100
NICOTINE AND SALTS		
PYRIDINEMETHYLPYRROLIDINYL(S)-	100	100
AMINOPTERIN	500/10,000	500
NITROSODIETHYLAMIN		
BENZAMIDE		
DIMETHYLMETHYLMETHYLTHIOPHENYLESTERPHOSP		
FENTHION		
NITROGLYCERINE		
DIISOPROPYLFLUOROPHOSPHATE	100	100
ISOFLUORPHATE	100	100
METHYLTHIOURACIL		
CARBONTETRACHLORIDE		
CANTHARIDIN	100/10,000	100
BISTRIBUTYL(TIN) OXIDE		
PARATHION	100	10
PHOSPHOROTHIOICACIDDIETHYLNITROPHENYL	100	10
METHYLCHOLANTHRENE		
DIETHYLSTILBESTROL		
BENZANTHRACENE		
COUMAPHOS	100/10,000	10
CYANIDES (SOLUBLE SALTS AND COMPLEXES) NOT OTHERWI		
DIMETHYLHYDRAZI	1,000	10
DIMETHYLHYDRAZINE	1,000	10
HYDRAZINEDIMETHYL-	1,000	10
STRYCHNINE	100/10,000	10
STRYCHNINE, AND SALTS		
PENTOBARBITALSODIUM		
PHENYTOIN		
PHYSOSTIGMINE	100/10,000	100
PROPIOLACTONE	500	10
PHYSOSTIGMINE, SALICYLATE (1:1)	100/10,000	100
CHLORDANE	1,000	1
METHANOINDANOCTACHLORO-2,3,3A,4,7,7A	1,000	1
DIMETHYLBENZAANTHRACENE		
PHENOXARSINE, 10,10'-OXYDI-	500/10,000	500
CYCLOHEXANEHEXACHLORO-, (1.ALPHA.,2.ALPH	1,000/10,000	1
HEXACHLOROCYCLOHEXANEGAMMA ISOMER)	1,000/10,000	1
LINDANE	1,000/10,000	1
TETRACHLOROPHENOL		
CHLOROCRESOL		
PHENYLHYDRAZINE HYDROCHLORIDE	1,000/10,000	1,000
NITROSOMORPHOLINE		
ETHYLENEDIAMINE-TETRAACETIC ACID (EDTA)		

AMINOAZOBENZENE		
DIMETHYLAMINOAZO		
DIMETHYLAMINOAZOBENZENE		
ETHANEOXYBIS-		
ETHYLETHER		
HYDRAZINEMETHYL-	500	10
METHYLHYDRAZINE	500	10
ACETAMIDE		
STRYCHNINE, SULFATE	100/10,000	10
DIMETHOATE	500/10,000	10
DIELDRIN		
AMITROLE		
PHENYLMERCURIC ACETATE	500/10,000	100
PHENYLMERCURY ACETATE	500/10,000	100
PHENACETIN		
ETHYLMETHANESULFONATE		
ANILINE	1,000	5,000
THIOACETAMIDE		
THIOUREA		
DICHLORVOS	1,000	10
PHOSPHORICACIDDICHLOROETHENYL DIMETHY	1,000	10
FLUOROACETIC ACID, SODIUM SALT	10/10,000	10
SODIUM FLUOROACETATE	10/10,000	10
METHANAMINEMETHYLNITROSO-	1,000	10
NITROSODIMETHYLAMI	1,000	10
NITROSODIMETHYLAMINE	1,000	10
CARBARYL		
NAPHTHALENOLMETHYLCARBAMATE		
PHENOLMETHYLETHYL)-, METHYLCARBAMATE	500/10,000	10
FORMICACID		
ACETICACID		
DIETHYLSULFATE		
TETRACYCLINEHYDROCHLORIDE		
COLCHICINE	10/10,000	10
NICOTINE SULFATE	100/10,000	100
BENZOICACID		
URACIL MUSTARD		
CYCLOHEXIMIDE	100/10,000	100
METHANOL		
ISOPROPYLALCOHOL		
ACETONE		
CHLOROFORM	10,000	10
METHANETRICHORO-	10,000	10
HEXACHLOROETHANE		
DIMETHYLFORMAMIDE		
DIMETHYLFORMAMIDE,N,N-		
CYCLOHEXADIENEDIONETRIS(1-AZIRIDINYL)-		
TRIAZQUONE		

GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-		
HEXACHLOROPHENE		
PROPIOPHENONE,4-AMINO	100/10,000	100
BUTYLALCOHOLA		
BENZENE		
METHYLCHLOROFORM		
TRICHLOROETHANEA		
DIGITOXIN	100/10,000	100
ENDRIN	500/10,000	1
BENZENETRICHLOROETHYLIDENE)BIS [4-METHOXY-		
METHOXYCHLOR		
DDD		
DDE		
TRYPAN BLUE		
METHANE		
BROMOMETHANE	1,000	1,000
METHYLBROMIDE	1,000	1,000
ETHANE		
ETHENE		
ETHYLENE		
ACETYLENE		
ETHYNE		
CHLOROMETHANE		
METHANECHLORO-		
METHYLCHLORIDE		
METHYLIODIDE		
METHANAMINE		
MONOMETHYLAMINE		
HYDROCYANICACID	100	10
HYDROGENCYANIDE	100	10
METHANETHIOL	500	100
METHYLMERCAPTAN	500	100
THIOMETHANOL	500	100
METHYLENEBROMIDE		
PROPANE		
PROPYNE		
PROPYNE		
CHLOROETHANE		
ETHANECHLORO-		
ETHYLCHLORIDE		
ETHENECHLORO-		
VINYLCHLORIDE		
ETHENEFLURO-		
VINYLFLUORIDE		
ETHANAMINE		
MONOETHYLAMINE		
ACETONITRILE		
ACETALDEHYDE		



ETHANETHIOL		
ETHYLMERCAPTAN		
DICHLOROMETHANE		
METHYLENECHLORIDE		
CARBONDISULFIDE	10,000	100
CYCLOPROPANE		
CALCIUMCARBIDE		
ETHYLENEOXIDE	1,000	10
OXIRANE	1,000	10
BROMOFORM		
TRIBROMOMETHANE		
DICHLOROBROMOMETHANE		
ISOBUTANE		
PROPANEMETHYL		
ISOPROPYLCHLORIDE		
PROPANECHLORO-		
ISOPROPYLAMINE		
PROPANAMINE		
DICHLOROETHANE		
ETHYLIDENEDICHLORIDE		
DICHLOROETHYLENE		
ETHENEDICHLORO		
VINYLDENECHLORIDE		
ACETYLCHLORIDE		
DIFLUOROETHANE		
ETHANEDIFLUORO		
ETHENEDIFLUORO		
VINYLDENEFLUORIDE		
DICHLOROFLUOROMETHANE		
HCFC-21		
CARBONICDICHLORIDE	10	10
PHOSGENE	10	10
CHLORODIFLUOROMETHANE		
HCFC-22		
METHANAMINEDIMETHYL		
TRIMETHYLAMINE		
AZIRIDINE, 2-METHYL	10,000	1
PROPYLENEIMINE	10,000	1
OXIRANEMETHYL-	10,000	100
PROPYLENEOXIDE	10,000	100
CACODYLIC ACID		
BROMOTRIFLUOROMETHANE		
HALON1301		
BUTYLAMINE-T		
BUTYLALCOHOLC		
CHLORODIFLUOROETHANE		
HCFC-142B		
CFC-11		

TRICHLOROFLUOROMETHANE		
TRICHLOROMONOFUOROMETHANE		
CFC-112		
DICHLORODIFLUOROMETHANE		
CFC-13		
CHLOROTRIFLUOROMETHANE		
PLUMBANETETRAMETHYL-	100	100
TETRAMETHYLLEAD	100	100
SILANETETRAMETHYL-		
TETRAMETHYLSILANE		
SILANECHLOROTRIMETHYL-	1,000	1,000
TRIMETHYLCHLOROSILANE	1,000	1,000
DIMETHYLDICHLOROSILANE	500	500
SILANEDICHLORODIMETHYL-	500	500
METHYLTRICHLOROSILANE	500	500
SILANETRICHLOROMETHYL-	500	500
ACETONE CYANOHYDRIN	1,000	10
METHYLLACTONITRILE	1,000	10
ACETALDEHYDE, TRICHLORO-		
CHLOROTRIFLUOROETHANE (HCFC-133A)		
HCFC-133A		
DICHLOROPROPIONIC ACID		
PENTACHLOROETHANE		
TRICHLOROACETYL CHLORIDE	500	500
CHLOROPICRIN		
ETHANETRICHLOROTRIFLUORO-		
FREON113		
CFC-114		
DICHLOROTETRAFLUOROETHANE		
CFC-115		
MONOCHLOROPENTAFLUOROETHANE		
HEPTACHLOR		
HEPTACHLOROTETRAHYDRO-4,7-METHANO-1		
TRIPHENYLTINHYDROXIDE		
HEXACHLOROCYCLOPENTADIENE	100	10
DICYCLOPENTADIENE		
DIMETHYLSULFATE	500	100
TABUN	10	10
TETRAETHYLLEAD	100	10
DIOXATHION	500	500
DEF		
TRIBUTYLTRITHIOPHOSPHATE (DEF)		
AMITON	500	500
ISOPHORONE		
OXETANE, 3,3-BIS(CHLOROMETHYL)-	500	500
BUTANEMETHYL-		
ISOPENTANE		
BUTADIENEMETHYL		

ISOPRENE		
BUTYLAMINE-I		
ISOBUTYRONITRILE	1,000	1,000
PROPANENITRILEMETHYL-	1,000	1,000
ISOBUTYL ALCOHOL		
ISOBUTYRALDEHYDE		
DICHLOROPROPANE12		
PROPANEDICHLORO-		
DICHLOROPROPENE23		
BUTYLALCOHOLB		
METHYLETHYLKETONE		
METHYLETHYLKETONE (MEK)		
METHYLVINYL KETONE	10	10
LACTONITRILE	1,000	1,000
DICHLOROPROPANE11		
TRICHLOROETHANEB		
TRICHLOROETHYLENE		
ACRYLAMIDE	1,000/10,000	5,000
PROPIONICACID		
ACRYLICACID		
CHLOROACETICACID	100/10,000	100
THIOSEMICARBAZIDE	100/10,000	100
ETHANEPEROXOICACID	500	500
PERACETICACID	500	500
CARBOCHLORIDICACIDMETHYLESTER	500	1,000
METHYLCHLOROCARBONATE	500	1,000
METHYLCHLOROFORMATE	500	1,000
BUTYRIC ACIDISO		
TETRACHLOROETHANE		
ETHENECHLOROTRIFLU		
TRIFLUOROCHLOROETHYL		
DIMETHYLCARBAMYL		
NITROPROPANE		
TETRABROMOBISPHENOLA		
ISOPROPYLIDENED		
CUMENEHYDROPEROXIDE		
HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-		
METHYLMETHACRYLATE		
METHYLCHLOROACRYLATE	500	500
SACCHARIN		
SACCHARIN AND SALTS		
WARFARIN	500/10,000	100
WARFARIN SALTS, WHEN PRESENT AT CONCENTRATIONS		
CIFOODRED15		
AMINOMETHYLANTH		
DIPHACINONE	10/10,000	10
PCNB		
PENTACHLORONITROBENZENE (PCNB)		

QUINTOZENE		
ACENAPHTHENE		
DIETHYLPHTHALATE		
BUTYLPHTHALATE		
DIBUTYLPHTHALATE		
DIQUAT		
PHENANTHRENE		
PHTHALICANHYDRIDE		
BUTYLBENZYLPHTHALA		
NITROSODIPHENYLA		
AZINPHOS-METHYL	10/10,000	1
GUTHION	10/10,000	1
FLUORENE		
ANTU	500/10,000	100
THIOUREANAPHTHALENYL-XYLIDINE	500/10,000	100
DICHLOROPHENOL		
HEXACHLOROBUTAD		
HEXACHLOROBUTADIENE		
PCP		
PENTACHLOROPHENOLP		
ANILINE, 2,4,6-TRIMETHYL-	500	500
TRICHLOROPHENOL-E		
NITROTOLUENE-O		
NITROPHENOLA		
DINITROBUTYL PHENOL	100/10,000	1,000
DINOSEB	100/10,000	1,000
PICRICACID		
ANISIDINEA		
PHENYLPHENOL		
MICHLERSKETONE		
BENZENEDIISOCYANATOMETHYLB	100	100
TOLUENEDIISOCYANATEB	100	100
NAPHTHALENE		
QUINOLINE		
CHLORONAPHTHALENE		
NAPHTHYLAMINEB		
DIETHYLANILINE		
METHAPYRILENE		
DIMETHOXYBENZIDINEDIISOCYANATE		
DICHLOROBENZIDINE		
DIMETHYLDIPHENYLENEDIISOCYANATE		
BIPHENYL		
AMINOBIHENYL		
BENZIDINE		
NITROBIHENYL		
MECOPROP		
SILVEX (2,4,5-TP)		

T ACID		
T ESTERS		
D ESTERS		
D ISOPROPYL ESTER		
BENZOYLPEROXIDE		
DIHYDROSAFROLE		
SAFROLE		
CHLOROMETHYLPHENOXYACETICACID		
MCPA		
METHOXONE		
ACETICACIDDICHLOROPHENOXY)-		
D		
D ACID		
D SALTS		
D ESTERS		
D BUTYL ESTER		
D ESTERS		
DB		
BENZENEDIMETHYL-O		
XYLENEB		
CRESOLB	1,000/10,000	100
DICHLOROBENZENE		
DICHLOROBENZENE A		
TOLUIDINE		
PHENYLENEDIAMINE		
CHLOROPHENOL		
TRIMETHYLBENZ		
CHLOROTOLUIDINE		
DIAMINOTOLUENE A		
TETRACHLOROBENZENE		
TRICHLOROPHENOL-D		
STYRENEOXIDE		
DBCP		
DIBROMOCHLORO		
TRICHLOROPROPANE		
METHYLACRYLATE		
ETHYLENETHIOUREA		
DICHLOROPHENE		
METHYLENEBISCHLOROPHENOL		
CISOLVENTYELLOW A		
ETHYLMETHACRYLATE		
FURFURAL		
BENZENEARSONIC ACID	10/10,000	10
BENZOICTRICHLORIDE	100	10
BENZOTRICHLORIDE	100	10
BENZENESULFONYL CHLORIDE		
TRICHLOROPHENYLSILANE	500	500
BENZENAMINE, 3-(TRIFLUOROMETHYL)-	500	500

CUMENE		
ACETOPHENONE		
BENZALCHLORIDE	500	5,000
BENZOYLCHLORIDE		
NITROBENZENE	10,000	1,000
NITROTOLUENE-M		
DICHLORAN		
DICHLORONITROANILINE		
TRINITROBENZENE		
NITROTOLUIDINE		
NITROANISIDINE		
DINITROBENZENEM		
DIMETHYLPHENYLENEDIAMINE	10/10,000	10
NITROTOLUENE-P		
NITROANILINE		
NITROPHENOLB		
NITROPHENOL-P		
BENZENECHLOROMETHYL)-4-NITRO-	500/10,000	500
DINITROBENZENEP		
ETHYLBENZENE		
STYRENEMONOMER		
BENZYLCHLORIDE	500	100
BENZONITRILE		
NITROSOPIPERIDINE		
ANILAZINE		
DICHLOROCHLOROPHENYLTRIAZIN-2-AMINE		
MBOCA		
METHYLENEBISCHLORO		
BARBAN		
BROMOPHENYL PHENYL ETHER		
METHYLENEBISDIMETH		
MDI		
METHYLENEBISPHENYL		
METHYLENEDIANI		
DIAMINODIPHENYL		
DIGLYCIDYLRESORCINOL ETHER		
ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	500/10,000	500
PHENYLTHIOUREA	100/10,000	100
CHLOROPHENYLISOCYANATE		
PHENYLENEDIISOCYANATE		
ANISIDINEB		
BUTYLACETATE-S		
DIMETHYLPHENOL		
BENZENEDIMETHYL-P		
XYLENEC		
CRESOLC		
DICHLOROBENZENEC		
CHLOROANILINE		

TOLUIDINE		
PHENYLENEDIAMINE		
BENZOQUINONE		
QUINONE		
BUTYLENEOXIDE		
EPICHLOROHYDRIN	1,000	100
OXIRANECHLOROMETHYL-	1,000	100
DIBROMOETHANEE		
ETHYLENEDIBROMIDE		
PROPARGYL BROMIDE	10	10
BUTANE		
BUTENE1		
BUTADIENE		
BUTYNE		
ETHYLACETYLENE		
BUTENE2		
ACROLEIN	500	1
PROPENAL	500	1
ALLYLCHLORIDE		
DICHLOROETHANE		
ETHYLENEDICHLORIDE		
CHLOROETHANOL	500	500
PROPYLAMINE		
ALLYLAMINE	500	500
PROPENAMINE	500	500
ETHYLCYANIDE	500	10
PROPANENITRILE	500	10
PROPIONITRILE	500	10
ACRYLONITRILE	10,000	100
PROPENENITRILE	10,000	100
ETHANEDIAMINE	10,000	5,000
ETHYLENEDIAMINE	10,000	5,000
FORMALDEHYDECYANOHYDRIN	1,000	1,000
ALLYLALCOHOL	1,000	100
PROPENOL	1,000	100
PROPARGYL ALCOHOL		
CHLOROACETALDEHYDE		
ETHYLENEGLYCOL		
ETHENEMETHOXY-		
VINYLMETHYLEETHER		
CHLOROMETHYLMETHYLEETHER	100	10
METHANECHLOROMETHOXY-	100	10
FORMICACIDMETHYL		
METHYLFORMATE		
SARIN	10	10
TEPP	100	10
TETRAETHYLPYROPHOSPHATE	100	10
BUTYRIC ACID		

ACETICACIDETHENYLESTER	1,000	5,000
VINYLACETATE	1,000	5,000
VINYLACETATEMONOMER	1,000	5,000
METHYLISOBUTYLKETO		
CARBOCHLORIDICACIDMETHYLETHYL ESTER	1,000	1,000
ISOPROPYLCHLOROFORMATE	1,000	1,000
ACETICANHYDRIDE		
MALEICANHYDRIDE		
BENZENEDIMETHYL-M		
XYLENEA		
CRESOLA		
PHENYLENEDIAMINE		
RESORCINOL		
BISCHLOROMETHYLETHYL		
DICHLOROISOPROPYL ETHER		
TOLUENE		
CHLOROENZENE		
CYCLOHEXANAMINE	10,000	10,000
CYCLOHEXYLAMINE	10,000	10,000
CYCLOHEXANOL		
CYCLOHEXANONE		
PHENOL	500/10,000	1,000
BENZENETHIOL	500	100
THIOPHENOL	500	100
METHYLPYRIDINE		
PICOLINE		
CARBOCHLORIDICACIDPROPYLESTER	500	500
PROPYLCHLOROFORMATE	500	500
PENTANE		
PENTENE		
BUTYLAMINE		
MALONONITRILE	500/10,000	1,000
METHOXYETHANOL		
DIETHYLAMINE		
ETHENEETHOXY-		
VINYLETHYLEETHER		
ETHYLNITRITE		
NITROUSACIDETHYL		
FURAN, TETRAHYDRO-		
FURAN	500	100
MALEICACID		
FUMARIC ACID		
BUTYLACETATE-I		
HEXANE		
HEXANE-N		
DICHLOROBUTENE	500	500
DICHLOROBUTENE	500	500
CHLOROETHYLVINYL ETHER		



ETHANOLETHOXY		
ETHOXYETHANOL		
CYCLOHEXANE		
PYRIDINE		
PIPERIDINE	1,000	1,000
DIETHANOLAMINE		
BISCHLOROETHYLEETHER	10,000	10
DICHLOROETHYLEETHER	10,000	10
ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS		
ADIPONITRILE	1,000	1,000
BISCHLOROETHOXYMETHANE		
PHENOLMETHYLETHOXYMETHYLCARBAMATE		
PROPOXUR		
AZASERINE		
PROPENE		
PROPENE1		
PROPYLENE		
METHANEOXYBIS-		
METHYLEETHER		
METHYLPROPENE		
PROPENEMETHYL-		
TRICHLOROETHYLSILANE	500	500
DIMEFOX	500	500
CHLORENDIC ACID		
ENDOSULFAN	10/10,000	1
BENZENEMETHANOLCHLORO-.ALPHA.-4-CHLOROPHENYL)-.ALPHA.-()		
DICOFOL		
FENSULFOTHION	500	500
ALDICARB	100/10,000	1
ETHENETETRAFLURO-		
TETRAFLUROETHYLENE		
AMINOANTHRAQUINONE		
DICHLONE		
BIETHYLHEXYLPHTHALATE		
DEHP		
DIETHYLHEXYLPHT		
DIOCTYLPHTHALATE		
DIOCTYLPHTHALATE		
HEXACHLOROBENZENE		
ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARE	500	100
DIMETHOXYBENZID		
DIMETHYLBENZIDI		
TOLIDINE		
ANTHRACENE		
DP		
ISOSAFROLE		
CRESIDINE		
CATECHOL		

TRICHLOROBENZE		
DICHLOROPHENOL		
DINITROTOLUENEB		
PYRETHRINS		
PYRETHRINS		
TRIETHYLAMINE		
DIMETHYLANILINE		
MALATHION		
BENZENEETHANAMINE, ALPAH,ALPHA-DIMETHYL- +		
SIMAZINE		
DIPHENYLAMINE		
PROPHAM		
DIPHENYLHYDRAZI		
HYDRAZINEDIPHENYL-		
HYDRAZOBENZENE		
HYDROQUINONE	500/10,000	100
MALEICHYDRAZIDE		
PROPIONALDEHYDE		
PHENYLENEDIISOCYANATE		
PROPIONICANHYDRIDE		
PARALDEHYDE		
BUTYRALDEHYDE		
BUTENAL, (E)-	1,000	100
CROTONALDEHYDE, (E)-	1,000	100
BUTYLACETATE		
DIOXANE		
AMYLACETATE-I		
ADIPIC ACID		
DIMETHYLAMINE		
METHANAMINEMETHYL		
SODIUM METHYLATE		
CHLORODIBROMOMETHANE		
SODIUM CACODYLATE	100/10,000	100
DIBROMOTETRAFLUOROETHANE		
HALON2402		
PICROTOXIN	500/10,000	500
TRISDIBROMOPROP		
METHACRYLONITRILE	500	1,000
PROPENENITRILEMETHYL-	500	1,000
CHLOROPRENE		
PERCHLOROETHYLENE		
TETRACHLOROETHYLENE		
ZINCPHENOLSULFONATE		
POTASSIUMDIMETHYLDITHIOCARBAMATE		
SODIUM DIMETHYLDITHIOCARBAMATE		
CIVATYELLOW4		
PYRENE	1,000/10,000	5,000
WARFARIN SODIUM	100/10,000	100

NAPHTHOQUINONE		
DIMETHYLPHTALATE		
SODIUM PENTACHLOROPHENATE		
AMMONIUMPICRATE		
CYCLOHEXYLDINITROPHENOL		
SODIUM PHENYLPHENOXIDE		
DIBENZOFURAN		
CAPTAN		
ISOINDOLETIONETETRAHYDROTRICHLO		
FOLPET		
BENZOICACIDAMINODICHLORO-		
CHLORAMBEN		
ANISIDINEHYDROCHL		
NAPHTHYLAMINEA		
BENZENEAMINEHYDROXYNITROSO, AMMONIUM SALT		
CUPFERRON		
DIPROPYLISOCINCHOMERONATE		
THIRAM		
ZIRAM		
POTASSIUMMETHYLDITHIOCARBAMATE		
METHAMSODIUM		
SODIUM METHYLDITHIOCARBAMATE		
DISODIUMCYANODITHIOIMIDOCARBONATE		
NITRILOTRIACETICACI		
DIMETHYLDIPHENYLMETHANEDIISOCYANATE		
THIODIANILINE		
BENZYL CYANIDE	500	500
PYRIDINEMETHYLVINYL-	500	500
ETHYLACRYLATE		
BUTYLACRYLATE		
DICROTOPHOS	100	100
ETHYLACETATE		
DICHLOROPROPANE13		
NABAM		
CUPRIC ACETATE		
DIPROPYLAMINE		
SODIUM CYANIDE (Na(CN))	100	10
KEPONE		
FLUOROACETIC ACID	10/10,000	10
ENDOTHALL		
THIABENDAZOLE		
THIAZOLYLBENZIMIDAZOLE		
MELPHALAN		
MBT		
MERCAPTOBENZOTHIAZOLE (MBT)		
DICHLOROMETHYLPHENYLSILANE	1,000	1,000
MERPHOS		
MONURON		

METHOXYETHYLMERCURIC ACETATE	500/10,000	500
POTASSIUMCYANIDE	100	10
AZIRIDINE	500	1
ETHYLENEIMINE	500	1
DIPHOSPHORAMIDE, OCTAMETHYL-	100	100
NITROSODIPHENYLB		
DICHLOROETHYLENE		
CALCIUMCYANAMIDE		
BENZOPENTAPHENE		
DIBENZPYRENEAI		
DIBENZOPYRENEAH		
BENZOPERYLENE		
DIBENZOPYRENEAL		
DIBENZOPYRENEAE		
INDENO(1,2,3-CD)PYRENE		
DIBENZOCARBAZOLECG		
BENZOFLUORANTHENEJ		
BENZOFLUORANTHENE		
FLUORANTHENE		
BENZOFLUORANTHENEK		
ACENAPHTHYLENE		
BENZOPHENANTHRENE		
CHRYSENE		
DIBENZACRIDINEAJ		
BENZACRIDINE		
DIBENZACRIDINEAH		
ISOBENZAN	100/10,000	100
DIETHYLPYRAZINYL PHOSPHOROTHIOATE	500	100
THIONAZIN	500	100
METHYLPARATHION	100/10,000	100
PARATHION-METHYL	100/10,000	100
PHORATE	10	10
DISULFOTON	500	1
AMPHETAMINE	1,000	1,000
NALED		
LEADACETATE		
ETHYLSULFINYLETHYLDIMETHYLESTERPHOSPHOROTHIOI		
OXYDEMETONMETHYL		
HYDRAZINE	1,000	1
LASIOCARPINE		
CHLORAMBUCIL		
DICHLOROTRIFLUOROETHANE22		
HCFC-123		
ALDRIN	500/10,000	1
DIMETHANONAPHTHALENEHEXACHLORO-1,4,4	500/10,000	1
DIETHYLNITROPHENYL PHOSPHATE		
BROMACIL		
BROMOMETHYLMETHYLPROPYLPYRIMIDINEDI		

MEXACARBATE	500/10,000	1,000
EMETINE, DIHYDROCHLORIDE	1/10,000	1
BHC		
HEXACHLOROCYCLOHEXANEALPHA		
BHC		
BHC		
TRICHLORONATE	500	500
DINITROPHENOLC		
DIURON		
LINURON		
DIAZINON		
DIAZOMETHANE		
BORON TRIFLUORIDE COMPOUND WITH METHY	1,000	1,000
BORONTRIFLUORO[OXYBIS[METHANE]], (T-4)-	1,000	1,000
CARBONIC DIFLUORIDE		
BROMOCHLORODIFLUOROMETHANE		
HALON1211		
HCFC-121A		
TETRACHLOROFLUOROETHANE (HCFC-121A)		
HCFC-121		
TETRACHLOROFLUOROETHANE (HCFC-121)		
DICHLOROTRIFLUOROETHANE12		
HCFC-123A		
CHLOROTETRAFLUOROETHANE1		
HCFC-124A		
BRUCINE		
FLUOROACETYL CHLORIDE	10	10
ETHYLENEFLUOROHYDRIN	10	10
ERGOTAMINE TARTRATE	500/10,000	500
DICHLOROPENTAFLUOROPROPANE (HCFC-225BB)		
HCFC-225BB		
DICHLOROPENTAFLUOROPROPANE (HCFC-225BA)		
HCFC-225BA		
DICHLOROPENTAFLUOROPROPANE (HCFC-225CA)		
HCFC-225CA		
DICHLOROPENTAFLUOROPROPANE (HCFC-225DA)		
HCFC-225DA		
CYANOGEN		
ETHANEDINITRILE		
CHLOROTRIFLUOROPROPANE (HCFC-253FB)		
HCFC-253FB		
PROPADIENE		
PROPADIENE		
CARBONOXIDESULFIDE		
CARBONYLSULFIDE		
DIMETHYLPROPANE		
PROPANEDIMETHYL		
ISODRIN	100/10,000	1

CHLORFENVINFOS	500	500
AURAMINE		
CISOLVENTYELLOWC		
CHLORNAPHAZINE		
DIAMINOTOLUENE		
METHYLMERCURIC DICYANAMIDE	500/10,000	500
AMINOPYRIDINE	500/10,000	1,000
PYRIDINEAMINO-	500/10,000	1,000
PENTADIENE		
ETHANETHIOBISCHLORO-	500	500
MUSTARDGAS	500	500
POTASSIUMSILVERCYANIDE	500	1
SILVERCYANIDE		
CYANOGENBROMIDE	500/10,000	1,000
CYANOGENCHLORIDE		
CYANOGENCHLORIDE ((CN)CL)		
CYANOGENIODIDE	1,000/10,000	1,000
AMMONIUMCARBONATE		
ACETYLBROMIDE		
DICHLOROPENTAFLUOROPROPANE (HCFC-225CB)		
HCFC-225CB		
METHANETETRANITRO-	500	10
TETRANITROMETHANE	500	10
BENZENEACETICACIDCHLORO-.ALPHA.-(4-CHLOROPHENYL)-.ALPHA		
CHLOROBENZILATE		
BUTYLAMINE-S		
DITHIAZANINE IODIDE	500/10,000	500
DINITROBENZENEO		
CHLOROACETOPHENONE		
DAZOMET		
TETRAHYDRODIMETHYLTHIADIAZINETHIONE		
BISCHLOROMETHYLKETONE	10/10,000	10
DINITROCRESOL	10/10,000	10
DINITROCRESOL	10/10,000	10
DINITROOCRESOL AND SALTS		
CRIMIDINE	100/10,000	100
ETHYLBISCHLOROETHYL)AMINE	500	500
DICHLOROETHYLENE		
HYDRAZINEDIMETHYL-		
TRIMETHYLPENTANE		
BUTYLACETATE-T		
URANYL ACETATE		
LEWISITE	10	10
ETHYLCHLOROFORMATE		
DITHIOBIURET	100/10,000	100
DITHIOBIURET-2,4	100/10,000	100
DICHLOROBENZENE B		
BARIUM CYANIDE		

DICHLOROPROPENE13		
DICHLOROPROPYLEN		
CHLOROPROPIONITRILE	1,000	1,000
PROPIONITRILE, 3-CHLORO-	1,000	1,000
BISCHLOROMETHYLEETHER	100	10
CHLOROMETHYLEETHER	100	10
DICHLOROMETHYLEETHER	100	10
METHANEOXYBIS[CHLORO-	100	10
ETHYLTHIOCYANATE	10,000	10,000
CADMIUM ACETATE		
COBALTOUS FORMATE		
COPPER CYANIDE		
LITHIUMCARBONATE		
NITROPHENOL-M		
TRIS(2-CHLOROETHYL)AMINE	100	100
ISOTHIOCYANATOMETHANE	500	500
METHYLISOTHIOCYANATE	500	500
METHYLTHIOCYANATE	10,000	10,000
THIOCYANICACIDMETHYLESTER	10,000	10,000
NICKELCYANIDE		
ZINCCYANIDE		
ZINCACETATE		
ZINCFORMATE		
CHLOROPROPYLENE		
PROPENECHLORO-2		
METHANESULFONYL FLUORIDE	1,000	1,000
ETHION	1,000	10
SEMICARBAZIDE HYDROCHLORIDE	1,000/10,000	1,000
METHYLBUTENE3		
METHYLBUTENE2		
CHLOROMETHYLPROPENE		
THALLIUMACETATE		
CIBASICGREEN4		
DINITROPHENOLD		
BENZENEDIISOCYANATOMETHYLA	500	100
TOLUENEDIISOCYANATEA	500	100
BUTENE-CIS		
CHLOROPROPYLENE		
PROPENECHLORO-1		
ACETYLTHIOUREA		
CALCIUMCYANIDE		
MERCURICCYANIDE		
MERCURICTHIOCYANATE		
LEADTHIOCYANATE		
VINYLBROMIDE		
METHANESULFENYLCHLORIDETRICHORO-	500	100
PERCHLOROMETHYLMERCAPTAN	500	100
TRICHLOROMETHANESULFENYL CHLORIDE	500	100

TETRAETHYLTIN	100	100
BROMOACETONE		
BROMOTRIFLUOROETHYLEN		
ETHENEBROMOTRIFLUORO		
DINITROTOLUENEC		
HEXACHLOROCYCLOHEXANEALL		
PENTACHLOROBENZENE		
TRICHLOROPHENOL-F		
DINITROTOLUENED		
DIMETHYLBENZIDINEDIHYDROCHLORIDE		
TOLIDINEDIHYDROCHLORIDE		
DICHLOROBENZIDINEDIHYDROCHLORIDE		
THIOUREA, (2-METHYLPHENYL)-	500/10,000	500
DIAMINOANISOLE		
PHENYLENEDIAMINEDIHYDROCHLORIDE		
NITROSOMETHYLURETHANE		
DIPROPYLNITROSAMINE		
NITROSODIPROPYL		
PHENYLENEDIAMINEDIHYDROCHLORIDE		
BUTENE-E		
BUTENE-TRANS		
METHANEISOCYANATO-	500	10
METHYLISOCYANATE	500	10
AMYLACETATE-T		
AMYLACETATE-S		
CHLOROETHYLCHLOROFORMATE	1,000	1,000
PENTENEZ		
AMYLACETATE		
MERCURY FULMINATE		
SELENOUREA		
ETHANETETRACHLORO-		
TETRACHLOROETHANE		
OUABAIN	100/10,000	100
AMMONIUMACETATE		
TOLUIDINEHYDROCHL		
TRIPHENYLTIN CHLORIDE	500/10,000	500
FLUOROACETAMIDE	100/10,000	100
DIMETILAN	500/10,000	1
PENTENEE		
CYANURICFLUORIDE	100	100
METHYLPHOSPHONIC DICHLORIDE	100	100
HEXAMETHYLPHOSPHO		
NITROSOMETHYLUR		
BUTENYNE		
VINYLACETYLENE		
DIETHYLARSINE		
DICHLOROPHENYLARSINE	500	1
PHENYLDICHLOROARSINE	500	1



DICHLOROPHENYLPROPANAMIDE		
PROPANIL		
HEXAETHYL TETRAPHOSPHATE		
NITROSOETHYLURE		
EPTC		
ETHYLDIPROPYLTHIOCARBAMATE EPTC		
METHACRYLIC ANHYDRIDE	500	500
BUTENEDICHLORO-		
DICHLOROBUTENE2		
GLYCIDYLALDEHYDE		
CARBOPHENOTHION	500	500
DICHLOROTRIFLUOROETHANE11		
HCFC-123B		
DIETHYLCHLOROPHOSPHATE	500	500
ACRYLYL CHLORIDE	100	100
PROPENOYLCHLORIDE	100	100
CUPRIC TARTRATE		
HEXAMETHYLENEDIISOCYANATE		
DIAMINOTOLUENE		
TRIMETHYLOLPROPANE PHOSPHITE	100/10,000	100
AMETRYN		
ETHYLMETHYLETHYLMETHYLTHIO)-1,3,5,-TRIAZINE-2,		
CISOLVENTYELLOWB		
METHYLPYRROLIDONE		
STANNANE,ACETOXYTRIPHENYL-	500/10,000	500
DEMETON-S-METHYL	500	500
METHACRYLOYL CHLORIDE	100	100
NITROSODIBUTYLA		
METHYLOLACRYLAMIDE		
NITROSOPYRROLIDINE		
TRICHLOROPHENOL-C		
TRICHLOROPHENOL-B		
FONOFOS	500	500
PHOSFOLAN	100/10,000	100
MEPHOSFOLAN	500	500
METHIDATHION	500/10,000	500
DIPHENAMID		
ENDOSULFAN		
PHOSPHORICACIDCHLOROTRICHLOROPHENYL) ETHENYL		
TETRACHLORVINPHOS		
CIBASICRED1		
NORBORMIDE	100/10,000	100
TRIETHOXYSILANE	500	500
CHLORMEQUAT CHLORIDE	100/10,000	100
HEPTACHLOR EPOXIDE		
ENDOSULFAN SULFATE		
TRIAMIPHOS	500/10,000	500
CHROMIC ACETATE		

AMMONIUMBICARBONATE		
TRIMETHYLTIN CHLORIDE	500/10,000	500
LEADSTEARATE		
AMMONIUMCARBAMATE		
BUTYLETHYLCARBAMOTHIOICACIDPROPYLESTER		
PEBULATE		
NITROSODIETHANOLAMINE		
PROPANESULTONE		
PROPANESULTONE		
NITROCYCLOHEXANE	500	500
PYRIDINENITROOXIDE	500/10,000	500
METOLCARB	100/10,000	1,000
CYCLOATE		
DECABROMODIPHENYLOX		
FERRICAMMONIUMCITRATE		
DICHLOBENIL		
XYLENOL		
ARSENIC PENTOXIDE	100/10,000	1
ARSENIC DISULFIDE		
ARSENIC TRISULFIDE		
CADMIUM OXIDE	100/10,000	100
ANTIMONYTRIOXIDE		
POTASSIUMHYDROXIDE		
SODIUM HYDROXIDE		
MOLYBDENUMTRIOXIDE		
THORIUMDIOXIDE		
THALLIC OXIDE		
VANADIUM PENTOXIDE	100/10,000	1,000
SULFURPHOSPHIDE		
ZINCPHOSPHIDE	500	100
ZINCPHOSPHIDE	500	100
ZINCPHOSPHIDE	500	100
LEADSULFIDE		
T AMINES		
CRESOLMIXEDISOMER		
D ESTERS		
D PROPYLENE GLYCOL BUTYL ETHER ESTER		
NITROTOLUENE		
ARSENIC ACID		
ARSENIC TRIOXIDE	100/10,000	1
ARSENOUS OXIDE	100/10,000	1
XYLENEMIXEDISOMER		
ZINCBORATE		
ASBESTOS		
HYDROGEN		
SODIUM BIFLUORIDE		
LEADSUBACETATE		
HEXACHLORONAPHTHA		

AMMONIUMHYDROXIDE		
PCBS		
POLYCHLORINATEDBIPH		
METHYLETHYLKETONEPEROXIDE		
NAPHTHENIC ACID		
AMMONIUMBIFLUORIDE		
ALUMINUMOXIDE		
ANTIMYCIN A	1,000/10,000	1,000
DINOTERB	500/10,000	500
BIOXIRANE	500	10
DIEPOXYBUTANE	500	10
TRICHLOROCHLOROMETHYL)SILANE	100	100
CARBOFURANPHENOL		
CARBOFURAN	10/10,000	10
BENEZENEAMINEDINITRODIPROPYL-4-(TRIFLUOROMETHYL)-		
TRIFLURALIN		
MERCURICACETATE	500/10,000	500
HYDRAZINEDIETHYL-		
ETHANESULFONYL CHLORIDE, 2-CHLORO-	500	500
METHYLTBUTYLET		
ALDICARBSULFONE		
DICHLORODIFLUOROETHANE (HCFC-132B)		
HCFC-132B		
BROMOXYNIL		
DIBROMOHYDROXYBENZONITRILE		
BROMOXYNIL OCTANOATE		
OCTANOIC ACIDDIBROMOCYANOPHENYL ESTER		
DICHLOROFLUROETHANE		
HCFC-141B		
TETRACHLORODIBENZO-P-DIOXIN (TCDD)		
ACETONE THIOSEMICARBAZIDE	1,000/10,000	1,000
AMMONIUMTHIOCYANATE		
BENZENEDICHLORONITROPHENOXY)-		
NITROFEN		
BENFLURALIN		
BUTYLETHYLDINITROTRIFLUOROMETHYLBENZENAMINE		
AMMONIUMBENZOATE		
HEXACHLOROPROPENE		
BENZENEDICARBONITRILETETRACHLORO-		
CHLOROTHALONIL		
PARAQUATDICHLORIDE	10/10,000	10
ATRAZINE		
CHLOROETHYLMETHYLETHYL)-1,3,5-TRIAZINE-2,4-DIAMI		
DICAMBA		
DICHLOROMETHOXYBENZOICACID		
PICLORAM		
CHLOROMETHYLETHYLPHENYLACETAMIDE		
PROPACHLOR		

D ESTERS		
DETHYLHEXYL ESTER		
T ESTERS		
D ESTERS		
BUTOXYETHYL ESTER-2,4-D		
D ESTERS		
CHLOROTRICHLOROMETHYLPYRIDINE		
NITRAPYRIN		
CIDIRECTBLACK38		
CHLOROXYURON	500/10,000	500
DICHLOROMETHOXYBENZOICACIDSODIUM SALT		
SODIUM DICAMBA		
TRIBUTYL TIN FLUORIDE		
VALINOMYCIN	1,000/10,000	1,000
T AMINES		
MERCAPTODIMETHUR	500/10,000	10
METHIOCARB	500/10,000	10
PARAQUATMETHOSULFATE	10/10,000	10
PHENYLSILATRANE	100/10,000	100
EPN	100/10,000	100
TRIBUTYL TIN METHACRYLATE		
DIPOTASSIUM ENDOTHALL		
OXABICYCLOHEPTANEDICARBOXYLICACID DIPOTASSIUM		
FLUOMETURON		
UREADIMETHYLTRIFLUOROMETHYLPHENYL]-		
AZEPINE CARBOTHIOICACID HEXAHYDRO-S-ETHYL ESTER		
MOLINATE		
CADMIUM STEARATE	1,000/10,000	1,000
THIOCARBAZIDE	1,000/10,000	1,000
OCTACHLORONAPHTHALEN		
DIGLYCIDYL ETHER	1,000	1,000
PROTHOATE	100/10,000	100
DIMETHYLAMINE DICAMBA		
CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-S-(2,3-DICHLORO-		
DIALATE		
TRIALATE		
PROPARGITE		
CHINOMETHIONAT		
METHYLDITHIOLOQUINOXALIN-2-ONE		
DODECYLGUANIDINEMONOACETATE		
DODINE		
OXYDISULFOTON	500	500
DIMETHYLCHLOROTHIOPHOSPHATE	500	500
DIMETHYLPHOSPHOROCHLORIDOTHIOATE	500	500
FORMOTHION	100	100
T ESTERS		
CYCLOHEXANEDIISOCYANATE		
PENTADECYLAMINE	100/10,000	100

PHOSPHOROTHIOICACIDDIMETHYLMETHYLTHIO	500	500
CIDIRECTBLUE6		
PROMECARB	500/10,000	1,000
CYANOPHOS	1,000	1,000
AZINPHOS-ETHYL	100/10,000	100
TRIMETHYLPHENYLMETHYLCARBAMATE		
PHOSPHONOTHIOIC ACID, METHYL-, O-(4-NITRO	500	500
SULFURYLFLUORIDE		
VIKANE		
DSODIUM SALT		
PHOSPHONOTHIOIC ACID, METHYL-, O-ETHYL O	500	500
THALLOUS MALONATE	100/10,000	100
AMINOMETHYLISOXAZOLOL	500/10,000	1,000
MUSCIMOL	500/10,000	1,000
DIQUAT		
ENDOTHION	500/10,000	500
CIDISPERSEYELLOW		
CHLOROTETRAFLUOROETHANE2		
HCFC-124		
CHLORPYRIFOS		
FERRICAMMONIUMOXALATE		
CHLOROCROTYL ESTER		
D ESTERS		
AMMONIUMCITRATE, DIBASIC		
SILANE, (4-AMINOBTYL)DIETHOXYMETHYL-	1,000	1,000
CISOLVENTORANGE		
AMMONIUMTARTRATE		
CHLOROTOLUIDINE, HYDROCHLORIDE		
NAPHTHALENE DIISOCYANATE		
CUPRIC NITRATE		
PHOSPHORICACIDDIMETHYL 4-(METHYLTHIO) P	500	500
OCTACHLORODIBENZODIOXIN		
DIETHYLMETHYLDITHIOPHOSPHATE		
TEMEPHOS		
ZINCCARBONATE		
DDE		
SULFOXIDE, 3-CHLOROPROPYL OCTYL	500	500
BENZIMIDAZOLE,4,5-DICHLORO-2-(TRIFLUOROM	500/10,000	500
CHLOROMETHYLPHENOXYACETATESODIUMSALT		
METHOXONESODIUM SALT		
SULFOTEP	500	100
TETRAETHYLDITHIOPYROPHOSPHATE	500	100
CHLOROPHACINONE	100/10,000	100
METHYLCHRYSENE5		
AMITON OXALATE	100/10,000	100
METHYLPHENKAPTON	500	500
CIFOODRED05		
T AMINES		

FUBERIDAZOLE	100/10,000	100
BITOSCANATE	500/10,000	500
CHLOROALLYLTRIAZA-1-AZONIAADAMANTANE CHLOR		
ISOPHORONE DIISOCYANATE	500	500
PHOSACETIM	100/10,000	100
DICHLOROSILANE		
SILANEDICHLORO-		
DIISOCYANATODIPHENYLETHER		
BUTENAL	1,000	100
CROTONALDEHYDE	1,000	100
FLUENETIL	100/10,000	100
PHENOLTHIOBIS[4-CHLORO-6-METHYL-	100/10,000	100
NITROSOMETHYLVINYL		
CIACIDGREEN3		
HEXAMETHYLENEDIAMINE, N,N'-DIBUTYL-	500	500
METHYLENEBISISOCYANATOCYCLOHEXANE)		
CARBOXIN		
DIHYDROMETHYLPHENYLOXATHIINCARBOXAMIDE		
THIOUREA, (2-CHLOROPHENYL)-	100/10,000	100
DIBENZOFUORANTHENEAE		
NITROPYRENE		
CHLORPYRIFOSMETHYL		
DIMETHYLTRICHLOROPYRIDYLPHOSPHOROTHIOATE		
COUMATETRALYL	500/10,000	500
CUPRIC OXALATE		
CHLORODIMETHYLETHYLMETHYLPYRIMIDIN		
TERBACIL		
ETHANOLOXYBISDICARBAMATE		
AMMONIUMOXALATE		
AMMONIUMOXALATE		
T AMINES		
T AMINES		
CIACIDRED114		
THALLIUMCARBONATE	100/10,000	100
THALLOUS CARBONATE	100/10,000	100
MONOCROTOPHOS	10/10,000	10
CHLOROPHENYLPHENYLETHER		
BISMETHYLETHYLMETHYLTHIOTRIAZINEDIA		
PROMETRYN		
ENDRIN ALDEHYDE		
LEADSTEARATE		
ALUMINUM		
LEAD		
MANGANESE		
MERCURY		
NICKEL		
SILVER		
SODIUM		

THALLIUM		
ANTIMONY		
ARSENIC		
BARIUM		
BERYLLIUM		
CADMIUM		
CHROMIUM		
COBALT		
COPPER		
VANADIUM		
ZINC		
ZINC		
SELENIUMDIOXIDE		
SULFURDIOXIDE	500	500
SULFURDIOXIDE	500	500
SULFURTRIOXIDE	100	100
LEADSULFATE		
THALLIUMSULFATE	100/10,000	100
THALLOUS SULFATE	100/10,000	100
LEADPHOSPHATE		
CUPRIC CHLORIDE		
MERCURICCHLORIDE	500/10,000	500
SELENIUMSULFIDE		
TITANIUMCHLORIDE (TiCl <sub>4</sub> ) (T-4)-	100	1,000
TITANIUMTETRACHLOR	100	1,000
SODIUM PHOSPHATE, DIBASIC		
LITHIUMHYDRIDE	100	100
SODIUM PHOSPHATE, TRIBASIC		
SODIUM ARSENATE	1,000/10,000	1
SODIUM BISULFITE		
SODIUM NITRITE		
BORANETRIFLUORO-	500	500
BORON TRIFLUORIDE	500	500
LEADARSENATE		
ZINCCHLORIDE		
HYDROCHLORICACID		
HYDROCHLORICACID		
HYDROCHLORICACIDAEROSOL		
HYDROGENCHLORIDE	500	5,000
HYDROGENCHLORIDE (Gas Only)	500	5,000
ANTIMONYPENTACHLORIDE		
PHOSPHORICACID		
HYDROFLUORICACID	100	100
HYDROFLUORICACID (CONC>)	100	100
HYDROGENFLUORIDE	100	100
HYDROGENFLUORIDE (ANHYDROUS)	100	100
AMMONIA	500	100
AMMONIA	500	100

AMMONIAS		
SULFURICACID	1,000	1,000
SULFURICACID	1,000	1,000
SODIUM FLUORIDE		
SODIUM HYPOCHLORITE		
DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A		
TETRAMETHRIN		
NITRICACID	1,000	1,000
NITRICACID	1,000	1,000
ZINCBROMIDE		
FERRICCHLORIDE		
NICKELCHLORIDE		
PHOSPHOROUSTRICHLORIDE	1,000	1,000
PHOSPHORUS TRICHLORIDE	1,000	1,000
FERROUSSULFATE		
POTASSIUMPERMANGANATE		
HYDROGENPEROXIDE (Conc.> 52%)	1,000	1,000
PHOSPHORUS	100	1
PHOSPHORUS	100	1
BROMINE	500	500
ZINCSULFATE		
CHROMIC ACID		
POTASSIUMBROMATE		
SODIUM PHOSPHATE, TRIBASIC		
FERROUSCHLORIDE		
LEADCHLORIDE		
CUPRIC SULFATE		
SILVERNITRATE		
AMMONIUMSULFAMATE		
SODIUM CHROMATE		
ARSENIC ACID		
CALCIUMARSENATE	500/10,000	1
POTASSIUMBICHROMATE		
CALCIUMHYPOCHLORITE		
ZINCHYDROSULFITE		
ZINCNITRATE		
FLUORINE	500	10
SELENIUM		
CHLORINE	100	10
FERROUSSULFATE		
SODIUM SELENITE		
MERCUROUSNITRATE		
SELENIOS ACID	1,000/10,000	10
HYDROGENSULFIDE	500	100
HYDROGENSELENIDE	10	10
MERCURICSULFATE		
LEADFLUORIDE		
ZINCFLUORIDE		



FERRICFLUORIDE		
ANTIMONYTRIFLUORIDE		
SULFURFLUORIDE (SF4), (T-4)-	100	100
SULFURTETRAFLUORIDE	100	100
ANTIMONYPENTAFLUORIDE	500	500
TELLURIUM HEXAFLUORIDE	100	100
ARSENOUS TRICHLORIDE	500	1
LEADARSENATE		
POTASSIUMARSENATE		
ARSINE	100	100
SODIUM ARSENITE	500/10,000	1
SODIUM PHOSPHATE, TRIBASIC		
MEVINPHOS	500	10
NICKELSULFATE		
BERYLLIUM CHLORIDE		
BERYLLIUM FLUORIDE		
BERYLLIUM NITRATE		
AMMONIUMCHROMATE		
POTASSIUMCHROMATE		
STRONTIUM CHROMATE		
AMMONIUMBICHROMATE		
CADMIUM BROMIDE		
COBALTOUS BROMIDE		
ANTIMONYTRIBROMIDE		
CHLOROSULFONIC ACID		
THALLIUMCHLORIDE TICI	100/10,000	100
THALLOUS CHLORIDE	100/10,000	100
CHLORINEMONOXIDE		
CHLORINEOXIDE		
SELENIUMOXYCHLORIDE	500	500
PHOSPHINE	500	100
AMMONIUMVANADATE		
SILANE		
CAMPHECHLOR	500/10,000	1
CAMPHENE, OCTACHLORO-	500/10,000	1
TOXAPHENE	500/10,000	1
CREOSOTE		
DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)		
PYRETHRINS		
OLEUM		
SULFURICACID (FUMING)		
SULFURICACIDMIXTURE WITH SULFUR TRIOXIDE		
DEMETON	500	500
METIRAM		
POLYMERICDIPHENYLMETHANEDIISOCYANATE		
SODIUM HYPOCHLORITE		
CHROMIC CHLORIDE	1/10,000	1
SILANETRICHORO-		

TRICHLOROSILANE		
PHOSPHORUS OXYCHLORIDE	500	1,000
PHOSPHORYLCHLORIDE	500	1,000
ANTIMONYTRICHLORIDE		
ZIRCONIUMTETRACHLORIDE		
PHOSPHORUS PENTACHLORIDE	500	500
OZONE	100	100
FERRICSULFATE		
THALLIUMSULFATE	100/10,000	100
HYDRAZINESULFATE		
SODIUM PHOSPHATE, DIBASIC		
ALUMINUMSULFATE		
FERROUSAMMONIUM SULFATE		
MERCURICNITRATE		
CHLORINEDIOXIDE		
CHLORINEOXIDE (CLO2)		
CHROMOUS CHLORIDE		
DICHLOROPROPENE13T		
LEADNITRATE		
CHROMIC SULFATE		
LEADIODIDE		
SODIUM PHOSPHATE, TRIBASIC		
URANYL NITRATE		
SODIUM SELENITE	100/10,000	100
SODIUM TELLURITE	500/10,000	500
NITRICOXIDE	100	10
NITROGENOXIDE (NO)	100	10
NITROGEN DIOXIDE	100	10
THALLIUMNITRATE		
LEADARSENATE		
CADMIUM CHLORIDE		
POTASSIUMARSENITE	500/10,000	1
SODIUM PHOSPHATE, TRIBASIC		
SODIUM PHOSPHATE, DIBASIC		
ETHANOLDICHLOROACETATE	1,000	1,000
AMMONIUMBISULFITE		
AMMONIUMSULFITE		
COBALT CARBONYL	10/10,000	10
DIBROMONITRILOPROPIONAMIDE		
METHAMIDOPHOS	100/10,000	100
BORANETRICHORO-	500	500
BORON TRICHLORIDE	500	500
DIALIFOR	100/10,000	100
BISMETHYLISOCYANATECYCLOHEXANE		
SODIUM PHOSPHATE, TRIBASIC		
CUPRIC SULFATE, AMMONIATED		
MERCUROUSNITRATE		
FERRICNITRATE		

PHENYLMETHYLFURANYLMETHYLDIMETHYLMETHYL		
RESMETHRIN		
METHACROLEIN DIACETATE	1,000	1,000
NITROGEN DIOXIDE		
SODIUM BICHROMATE		
CARBENDAZIM		
AROCLOR 1260		
AROCLOR 1254		
AROCLOR 1221		
CHROMIC ACID		
AROCLOR 1232		
CUPRIC ACETOARSENITE	500/10,000	1
PARIS GREEN	500/10,000	1
SELENIOS ACID, DITHALLIUM(1+) SALT		
NICKELHYDROXIDE		
MANGANESE TRICARBONYL METHYLCYCLOPENT	100	100
CARBAMODITHIOICACIDETHANEDIYLBIS-, ZINC COMPLEX		
ZINEB		
AMMONIUMFLUORIDE		
AMMONIUMCHLORIDE		
AMMONIUMSULFIDE		
CARBAMODITHIOICACIDETHANEDIYLBIS-, MANGANESE COMPLEX		
MANEB		
AROCLOR 1248		
AROCLOR 1016		
SULFURMONOCHLORIDE		
TERBUFOS	100	100
PHOSPHAMIDON	100	100
ETHOPROP	1,000	1,000
ETHOPROPHOS	1,000	1,000
PHOSPHORODITHIOICACIDETHYLDIPROPYL EST	1,000	1,000
FENBUTATINOXIDE		
HEXAKISMETHYLPHENYLPROPYLDISTANNOXANE		
SODIUM SELENATE	100/10,000	100
GALLIUM TRICHLORIDE	500/10,000	500
NICKELCARBONYL	1	10
IRONCARBONYL (FE(CO)5), (TB-5-11)-	100	100
IRONPENTACARBONYL-	100	100
DICHLOROPENTAFLUOROPROPANE (HCFC-225CC)		
HCFC-225CC		
T SALTS		
BERYLLIUM NITRATE		
DESMEDIPHAM		
ZIRCONIUMNITRATE		
CALCIUMCHROMATE		
LEADFLUOBORATE		
AMMONIUMFLUOBORATE		
BUTYLAMINE-S		

COBALTOUS SULFAMATE		
SALCOMINE	500/10,000	500
NICKELNITRATE		
AMMONIUMOXALATE		
LITHIUMCHROMATE		
AMMONIUMTARTRATE		
FERBAM		
TRISDIMETHYLCARBAMODITHIOATO-S,S')IRON		
ZINCAMMONIUM CHLORIDE		
ZINCAMMONIUM CHLORIDE		
ZIRCONIUMSULFATE		
BICYCLO[2.2.1]HEPTANE-2-CARBONITRILE, 5-CH	500/10,000	500
MANGANESEBISDIMETHYLCARBAMODITHIOATO-S,S')-		
TRIMETHYLHEXAMETHYLENEDIISOCYANATE		
NICKELAMMONIUM SULFATE		
LEADSULFATE		
TRICHLOROPHENOL-A		
ALACHLOR		
CIDIRECTBROWN95		
NITROSONORNICOTINE		
SODIUM HYDROSULFIDE		
ETHANIMIDOTHIOICACIDMETHYLAMINO)CARBO	500/10,000	100
METHOMYL	500/10,000	100
ZINCSILICOFLUORIDE		
AMMONIUMSILICOFLUORIDE		
ZIRCONIUMPOTASSIUM FLUORIDE		
TRIMETHYLHEXAMETHYLENEDIISOCYANATE		
DECABORANE(14)	500/10,000	500
FORMPARANATE	100/10,000	100
BENOMYL		
STREPTOZOTOCIN		
DIPROPYLAMINODINITROBENZENESULFONAMIDE		
ORYZALIN		
DIBORANE	100	100
DIBORANE(6)	100	100
HEXACHLORODIBENZODIOXIN		
PENTABORANE	500	500
DICHLOROMETHYLETHOXYPHENYLDIMETHYLETH		
OXYDIAZON		
DIANISIDINEDIHYDROCHLORIDE		
DIMETHOXYBENZIDINEDIHYDROCHLORIDE		
DICHLOROPHENYLMETHYLOXADIAZOLIDINEDIO		
METHAZOLE		
OSMIUM OXIDE OSO4 (T-4)-		
OSMIUMTETROXIDE		
DIGOXIN	10/10,000	10
DAUNOMYCIN		
ALUMINUMPHOSPHIDE	500	100

METRIBUZIN		
FOSTHIETAN	500	500
LEPTOPHOS	500/10,000	500
CYANAZINE		
MERCURICOXIDE	500/10,000	500
CHLORTHIOPHOS	500	500
FENAMIPHOS	10/10,000	10
BENDIOCARB		
DIMETHYLBENZODIOXOLOL METHYLCARBAMATE		
BENDIOCARBPHENOL		
OXAMYL	100/10,000	100
FORMETANATEHYDROCHLORIDE	500/10,000	100
PIRIMIFOS-ETHYL	1,000	1,000
THIOPHANATEMETHYL		
PHENYLENEBISIMINOCARBONOTHIOYLBISCARBAMIC ACID DIET		
THIOPHANATEETHYL		
BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL		
PRONAMIDE		
TRIAZOFOS	500	500
CHLORMEPHOS	500	500
DINITROBENZENE (MIXED)		
NITROPHENOL (MIXED)		
SODIUM DODECYLBENZENESULFONATE		
BUTENE		
TRICHLOROPHENOL		
T ESTERS		
D ESTERS		
ETHOXYLMETHYLETHYLAMINOPHOSPHINOTHIOYLOXYBENZOI		
ISOFENPHOS		
DINITROTOLUENEA		
DICHLOROBENZENE		
DICHLOROBENZENEMIX		
DIAMINOTOLUENEMIXE		
TOLUENEDIAMINE		
DINITROPHENOLA		
DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A		
PHENOTHRIN		
CALCIUMDODECYLBENZENESULFONATE		
CARBAMIC ACIDMETHYL-, O-(((2,4-DIMETHYL-1, 3	100/10,000	100
BENZENEDIISOCYANATOMETHYLC		
TOLUENEDIISOCYANATEM		
TOLUENEDIISOCYANATEU		
SODIUM AZIDE (Na(N3))	500	1,000
DICHLOROPROPANE		
PIPERAZINEDIYLBISTRICHLOROETHYLIDENEBSIF		
TRIFORINE		
DICHLOROPROPENE		
TRICHLORODICHLOROPHENYL)SILANE	500	500

DODECYLBENZENESULFONIC ACID		
CHLOROMETHYLAMINOTRIFLUOROMETHYLPHENYL]-3(2H)		
NORFLURAZON		
TRIETHANOLAMINE DODECYLBENZENE SULFONATE		
VANADYL SULFATE		
ALLETHRIN		
CHRYSANTHEMICACID OF D-ALLETHRONE		
CARBAMIC ACIDDIETHYLTHIOCHLOROBENZYL)		
THIOBENCARB		
ANTIMONYPOTASSIUM TARTRATE		
XYLYLENE DICHLORIDE	100/10,000	100
CIDIRECTBLUE218		
BROMADIOLONE	100/10,000	100
OCTACHLOROSTYRENE		
DIETHYLAMINOMETHYLPYRIMIDINYLDIMETHYLPHO		
PIRIMIPHOSMETHYL		
PARAFORMALDEHYDE		
ETHANIMIDOTHIOICACIDDIMETHYLAMINO)-N-HYDROXY		
ACEPHATE		
ACETYLPHOSPHORAMIDOTHIOICACIDDIMETHYL ESTER		
METHACRYLOYLOXYETHYL ISOCYANATE	100	100
ETHYLAMINOMETHOXYPHOSPHINOTHIOYLOXYBUTENOIC ACID,		
PROPETAMPHOS		
TP ESTERS		
AMITRAZ		
ENDOSULFAN		
DIMETHYLETHYLTHIADIAZOLYLDIMETHY		
TEBUTHIURON		
DICHLOROTRIFLUOROETHANE		
DIFLUBENZURON		
ETHYLMETHYLTHIOPHENYLPHOSPHORODITHIOIC ACID S-PRO		
SULPROFOS		
DICHLOROPHENYLPROPENYLOXYETHYLIMIDAZO		
IMAZALIL		
BROMOBROMOMETHYL)-1,3-PROPANEDICARBONITRILE		
HEPTACHLORODIBENZODIOXIN		
URANYL NITRATE		
NICKELCHLORIDE		
BISMETHYLISOCYANATECYCLOHEXANE		
DIETHATYLETHYL		
OCTACHLORODIBENZOFURAN		
DIAMINOANISOLESULF		
THIOFANOX	100/10,000	100
HEXACHLORODIBENZODIOXIN		
DINOCAP		
FENPROPATHRIN		
TETRAMETHYLCYCLOPROPANECARBOXYLICACIDCYANOPHEN		
PENTACHLORODIBENZODIOXIN		

ETHYLPROPYLDIMETHYLDINITROBENZENAMINE		
PENDIMETHALIN		
BROMOCHLOROPHENYLETHYLPROPYLPHOSPHOROTHIOATE		
PROFENOFOS		
DIMETHYLBENZIDINEDIHYDROFLUORIDE		
TOLIDINEDIHYDROFLUORIDE		
ISOPROPANOLAMINE DODECYLBENZENE SULFONATE		
OXYFLUORFEN		
CHLOROPHENOXYDIMETHYLTRIAZOLYL		
TRIADIMEFON		
DICHLOROPHENYLETHENYLMETHYLOXAZOLIDINEDIO		
VINCLOZOLIN		
PHOSPHONOTHIOIC ACID, METHYL-, S-(2-(BIS(1-	100	100
TETRACHLORODIBENZOFURAN		
HEXAZINONE		
DICHLOROPHENOXYPHENOXYPROPANOICACIDMETHYL EST		
DICLOFOPMETHYL		
CHLOROMETHYLETHYLBENZENEACETICACIDCYANOPHE		
FENVALERATE		
ZINCAMMONIUM CHLORIDE		
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLI		
PERMETHRIN		
LEADSTEARATE		
CALCIUMARSENITE		
CARBAMOTHIOICACIDDIPROPYL-, S-(PHENYLMETHYL) ES		
BROMACIL, LITHIUM SALT		
PYRIMIDINEDIONE BROMOMETHYLMETHYLPRO		
DETHYLMETHYLPENTYL ESTER		
DAZOMET SODIUM SALT		
TETRAHYDRODIMETHYLTHIADIAZINETHIONEION(1		
D ESTERS		
AROCLOR 1242		
PYRIMINIL	100/10,000	100
CARBOSULFAN		
DIHYDRODIMETHYLDITHIINTETRAOXIDE		
DIMETHIPIN		
IODOPROPYNYL BUTYLCARBAMATE		
FERRICAMMONIUMOXALATE		
HEPTACHLORODIBENZOFURAN		
LEADSTEARATE		
PENTACHLORODIBENZOFURAN		
PENTACHLORODIBENZOFURAN		
HEXACHLORODIBENZOFURAN		
TRICLOPYRTRIETHYLAMMONIUM SALT		
HEXACHLORODIBENZODIOXIN		
ZINCDICHLORO(4,4-DIMETHYL-5(((METHYLAMIN	100/10,000	100
THIODICARB		
CHLOROPHENYLCHLOROPHENYLPYRIMIDIN		

FENARIMOL		
DICHLOROPHENYLPROPYLDIOXOLANYLMETHYL		
PROPICONAZOLE		
HEXACHLORODIBENZOFURAN		
T ESTERS		
COBALT, ((2,2'-(1,2-ETHANEDIYLBIS (NITRILOME	100/10,000	100
ACIFLUORFEN, SODIUM SALT		
CHLOROTRIFLUOROMETHYLPHENOXY)-2-NITROBENZOIC ACID,		
CHLOROTETRAFLUROETHANE		
CHLOROMETHOXYMETHYLTRIAZINYLAMINO]CA		
CHLORSULFURON		
DICHLOROENZIDINESULFATE		
CHLOROENZOAZOLYLENOXYPHENOXYPROPANOICACID,		
FENOXAPROPETHYL		
HYDRAMETHYLNON		
TETRAHYDRODIMETHYLPYRIMIDINONETRIFLUOROME		
HEPTACHLORODIBENZOFURAN		
CHLOROTRIFLUOROPROPENYLDIMETHYLCYCLOPRO		
CYHALOTHRIN		
CYFLUTHRIN		
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLIC A		
CHLOROTRIFLUOROMETHYLPHENYLVALINE(+)-CYANO(3-		
FLUVALINATE		
FLUAZIFOPBUTYL		
TRIFLUOROMETHYLPYRIDINYLOXYPHENOXYPROPANOIC		
HEXACHLORODIBENZOFURAN		
ABAMECTIN AVERMECTIN B1		
AVERMECTIN B1		
CHLOROTRIFLUOROMETHYLPHENOXYMETHYLSULFONYL)-2-		
FOMESAFEN		
FENOXYCARB		
PHENOXYPHENOXYETHYLCARBAMICACIDETHYLESTER		
HEXACHLORODIBENZOFURAN		
ETHOXYIMINOBTYLETHYLTHIOPROPYLHYDROXYL		
SETHOXYDIM		
METHYLDIPHENYLMETHANEDIISOCYANATE		
DIISOCYANATODIPHENYLSULFIDE		
CHLOROQUINOXALINYLOXYPHENOXYPROPANOIC ACID E		
QUIZALOFOPETHYL		
Benzoicacidchlorotrifluoromethylphenoxynitroethocymethyloxethyl ester		
CHLOROTRIFLUOROMETHYLPHENOXYNITROETHOXYM		
LACTOFEN		
BIFENTHRIN		
BUTYLCHLOROPHENYLTRIAZOLE-1-P		
MYCLOBUTANIL		
DICHLOROTRIFLUOROETHANE		
CHLORIMURON ETHYL		
ETHYLCHLOROMETHOXYPRIMIDINYLCARBONYLAMINO		



METHOXYMETHYLTRIAZINYL METHYLAMINOCARBON	
TRIBENURON METHYL	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EB)	
HCFC-225EB	
DIANISIDINE HYDROCHLORIDE	
DIMETHOXYBENZIDINE HYDROCHLORIDE	
DICHLOROPENTAFLUOROPROPANE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225AA)	
HCFC-225AA	
DIETHYL DIISOCYANATO BENZENE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EA)	
HCFC-225EA	
ANTIMONY COMPOUNDS	
ARSENIC COMPOUNDS	
BARIUM COMPOUNDS	
BERYLLIUM COMPOUNDS	
CADMIUM COMPOUNDS	
CHLORINATED PHENOLS	
CHLOROPHENOLS	
CHROMIUM AND COMPOUNDS	
COBALT COMPOUNDS	
COPPER COMPOUNDS	
CYANIDE COMPOUNDS	
DIISOCYANATES	
DIOXIN AND DIOXIN-LIKE COMPOUNDS	
ETHYLENE BIS(DITHIOCARBAMIC ACID SALTS AND ESTERS)	
GLYCOL ETHERS	
LEAD COMPOUNDS	
MANGANESE COMPOUNDS	
MERCURY COMPOUNDS	
NICKEL COMPOUNDS	
NICOTINE AND SALTS	
NITRATE COMPOUNDS	
POLYBROMINATED BIPHENYLS (PBBS)	
POLYCHLORINATED ALKANES	
POLYCYCLIC AROMATIC COMPOUNDS	
SELENIUM COMPOUNDS	
SILVER AND COMPOUNDS	
STRYCHNINE	
THALLIUM COMPOUNDS	
VANDIUM COMPOUNDS	
WARFARIN AND SALTS	
ZINC COMPOUNDS	

AND UNLISTED HAZARDOUS WASTES. THE DESCRIPTIONS OF THE WASTE STREAMS HAVE BEEN LISTED ONLY. COMPLIANCE INFORMATION CAN BE FOUND IN 40 CFR PART 302 AND TABLE 302.4

CERCLA RQ	Section 313	RCRACODE	CAA 112(r) TQ
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100	313	U122	15,000
100	X	U122	15,000
10		U010	
10		U058	
1		U061	
1	313+^	U022	
5,000		U200	
	313		
	313		
	X		
10	313	P048	
1,000		P042	
	X		
	X		
	313		
100	X	U238	
100	X	U238	
100	313	U238	
100	X		

100	313		
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1	313	U005	
100	313c	P075	
100	313c	P075	
100		P075	
1	313	U174	
	313		
	X		
	313		
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100		P043	
100		P043	
10		U164	
10	313	U211	
	313		
10	313	P089	
10	X	P089	
10	313+^	U157	
1		U089	
10	313+^	U018	
10			
10	313c	P030	
10	313	U098	15,000
10	X	U098	15,000
10	X	U098	15,000
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10	313c	P108	
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	313		
100		P204	
10	313		
100		P188	
1	313^	U036	
1	X	U036	
1	313+^	U094	
1	X	U129	
1	X	U129	
1	313	U129	
10	313c		
5,000		U039	
1	313		
5,000			

	313		
10	313	U093	
10	X	U093	
100		U117	10,000
100		U117	10,000
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10	313	P068	15,000
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10	313c		
10	313	P044	
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100	313c	P092	
100	313c	P092	
100		U187	
1		U119	
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10	X		
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10	313	P058	
10	X	P082	
10	313	P082	
10	X	P082	
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100	X	U279	
10		P202	
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	313		
100	313c		
5,000			
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5,000	313	U154	
	313		
5,000		U002	
10	313	U044	20,000
10	X	U044	20,000
100	313	U131	
100	X		
100	313		
	X		
	313		

10		U163	
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1,000	X	U226	
1,000	313	U226	
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1	X	U247	
1	313^	U247	
1		U060	
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	X		10,000
	313		10,000
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			10,000
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100	X	U045	10,000
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100			10,000
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10	313	P063	2,500
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			10,000
			10,000
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100	X		10,000
100	X		10,000
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			10,000
			10,000
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1,000	313	U076	
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			10,000
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	X		
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	313		
	X		
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100			10,000
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	313		
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			5,000
			5,000
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	X		
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1	313^	P059	
1	X	P059	
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100	313	U103	
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			10,000
100			10,000

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			20,000
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5,000			
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			10,000
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	313^		
	313		
10	313	U096	
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100		U202	
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100	X 313c	P001	
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	313		
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100	X	U185	



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5,000	313	U190	
100			
100	313		
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1			
5,000			
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100		P072	
	313		
100		U082	
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	313#		
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1	313		
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10	313		
	313		
100			

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	X		
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100		U240	
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100	X		
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1,000	313	U239	
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100	X	U070	
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100		U020	

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5,000	313	U017	
1,000	313		
1,000	313	U169	
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	X		
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100	313		
1,000			
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100	313	U170	
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100	313		
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	X		
10	X	U158	
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5,000	313#		
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	313		
	313		
100		P093	
	313		
	313#		
	313		
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100	X	U239	
100	313	U239	
100	313	U052	
100	313	U072	
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			10,000
			10,000
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	X		10,000
10		P101	10,000
10		P101	10,000
10		P101	10,000
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100	X	U009	20,000
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5,000			20,000
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			10,000
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10	X	U046	5,000
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			10,000
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10		P111	
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			15,000
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1,000	313	U239	
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1,000	X	U027	
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			15,000
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100		P014	
100		P014	
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	313		
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100		U124	5,000
5,000			
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5,000	X		
5,000	313		
	313		
	X		
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1,000	313	U359	
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10	X	U025	
5,000	X	U114	
1,000	313	U024	
100	X	U411	
100	313	U411	
1		U015	
	X		10,000
	X		10,000
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1		P050	
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			10,000
	313		
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100	X	U028	
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100		P192	
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100	313		

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10	X	U064	
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100	X	U120	
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100		U016	
	313+^		
100		P040	
100		P040	
100	313	P071	
100	X	P071	
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1		P039	
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100		P041	
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	X		

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10			
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	313		
	X		
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	X		
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	X		
100		P031	10,000
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	X		
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100	X		10,000
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100		U026	
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1,000		P008	
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	X		
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5,000			
100			
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100	X	P049	
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100	313	U071	
10	313c	P013	

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			20,000
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1 F027



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100	K096
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1	K172
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	K178

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100	D002
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100	D034
5,000	D035
1,000	D036
10	D037
1,000	D038
100	D039
100	D040
10	D041
10	D042
1	D043

**Notes - Document Posted June 2015**

\* There are no *de minimis* levels for PBT che

“Color Index” indicated by “C.I.”

*de minimis* % limit for the following chemica

Arsenic Compounds:

Chromium Compounds:

Cobalt Compounds:

Polychlorinated alkanes (C<sub>10</sub> to C<sub>13</sub>):

descriptions. For categories whose members :  
explanation, consult the Reporting Forms and

chemicals, except for supplier notification purposes

all categories is as indicated below.

inorganic compounds: 0.1; organic compounds: 1.0

chromium VI compounds: 0.1; chromium III compounds: 1.0

inorganic compounds: 0.1; organic compounds: 1.0

1.0, except for those members of the category that have an average chain length of 12 carbons and contain an average chlorine content of 60% by weight which are subject to the 0.1% de minimis

When chemicals are listed individually, the individual chemicals and the category to which they belong are listed as well. For additional instructions.



**CAS**

71751-41-2

30560-19-1

75-07-0

60-35-5

75-05-8

98-86-2

53-96-3

62476-59-9

107-02-8

79-06-1

79-10-7

107-13-1

15972-60-8

116-06-3

309-00-2

28057-48-9

107-18-6

107-11-9

107-05-1

7429-90-5

20859-73-8

1344-28-1

834-12-8

117-79-3

60-09-3

92-67-1

82-28-0

81-49-2

33089-61-1

61-82-5

7664-41-7

101-05-3

62-53-3

90-04-0

104-94-9

134-29-2

120-12-7

7440-36-0

7440-38-2

1332-21-4

1912-24-9

7440-39-3

22781-23-3

1861-40-1

17804-35-2

98-87-3

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71-43-2

92-87-5

98-07-7

191-24-2

98-88-4

94-36-0

100-44-7

7440-41-7

82657-04-3

92-52-4

3296-90-0

111-91-1

111-44-4

542-88-1

108-60-1

56-35-9

10294-34-5

7637-07-2

314-40-9

53404-19-6

7726-95-6

35691-65-7

353-59-3

75-25-2

74-83-9

106-94-5

75-63-8

1689-84-5

1689-99-2

357-57-3

106-99-0

141-32-2

71-36-3

78-92-2

75-65-0

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123-72-8

7440-43-9

156-62-7

133-06-2

63-25-2

1563-66-2

75-15-0

56-23-5

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5234-68-4

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115-28-6

90982-32-4

7782-50-5

10049-04-4

79-11-8

532-27-4

4080-31-3

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108-90-7

510-15-6

75-68-3

75-45-6

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107-30-2

563-47-3

104-12-1

76-06-2

126-99-8

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63938-10-3

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75-88-7

75-72-9

460-35-5

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7440-47-3

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2602-46-2

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16071-86-6

2832-40-8

3761-53-3

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3118-97-6

97-56-3

842-07-9

492-80-8

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7440-50-8

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108-39-4

95-48-7

106-44-5

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135-20-6  
21725-46-2  
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68085-85-8  
94-75-7  
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53404-60-7  
94-82-6  
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94-80-4  
2971-38-2  
1163-19-5  
13684-56-5  
1928-43-4  
53404-37-8  
2303-16-4  
615-05-4  
39156-41-7  
101-80-4  
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25376-45-8  
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334-88-3  
132-64-9  
96-12-8  
106-93-4

124-73-2

84-74-2

1918-00-9

99-30-9

95-50-1

541-73-1

106-46-7

25321-22-6

91-94-1

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N458

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N575

N583

N590

N725

N740

N746

N760

N770

N874

N982

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84852-15-3

90481-04-2

3194-55-6

25637-99-4

## Chemical

Abamectin [Avermectin B1]

Acephate (Acetylphosphoramidothioic acid O,S-dimethyl ester)

Acetaldehyde

Acetamide

Acetonitrile

Acetophenone

2-Acetylaminofluorene

Acifluorfen, sodium salt [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]

Acrolein

Acrylamide

Acrylic acid

Acrylonitrile

Alachlor

Aldicarb

Aldrin [1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1 $\alpha$ ,4 $\alpha$ ,4a $\beta$ ,5 $\alpha$ ,8 $\alpha$ ,8a $\beta$ )-]

d-trans-Allethrin [d-trans-Chrysanthemic acid of d-allethron]

Allyl alcohol

Allylamine

Allyl chloride

Aluminum (fume or dust)

Aluminum phosphide

Aluminum oxide (fibrous forms)

Ametryn (N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-diamine)

2-Aminoanthraquinone

4-Aminoazobenzene

4-Aminobiphenyl

1-Amino-2-methylantraquinone

1-Amino-2,4-dibromoanthraquinone

Amitraz

Amitrole

Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)

Anilazine [4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]

Aniline

o-Anisidine

p-Anisidine

o-Anisidine hydrochloride

Anthracene

Antimony

Arsenic

Asbestos (friable)

Atrazine (6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)

Barium

Bendiocarb [2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]

Benfluralin (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)

Benomyl

Benzal chloride

Benzamide

Benzene

Benzidine

Benzoic trichloride (Benzotrichloride)

Benzo(g,h,i)perylene

Benzoyl chloride

Benzoyl peroxide

Benzyl chloride

Beryllium

Bifenthrin

Biphenyl

2,2-bis(Bromomethyl)-1,3-propanediol

Bis(2-chloroethoxy)methane

Bis(2-chloroethyl)ether

Bis(chloromethyl)ether

Bis(2-chloro-1-methylethyl)ether

Bis(tributyltin)oxide

Boron trichloride



Boron trifluoride

Bromacil (5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)

Bromacil, lithium salt [2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]

Bromine

1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile

Bromochlorodifluoromethane (Halon 1211)

Bromoform (Tribromomethane)

Bromomethane (Methyl bromide)

1-Bromopropane

Bromotrifluoromethane (Halon 1301)

Bromoxynil (3,5-Dibromo-4-hydroxybenzoxynitrile)

Bromoxynil octanoate (Octanoic acid, 2,6-dibromo-4-cyanophenylester)

Brucine

1,3-Butadiene

Butyl acrylate

n-Butyl alcohol

sec-Butyl alcohol

tert-Butyl alcohol

1,2-Butylene oxide

Butyraldehyde

Cadmium

Calcium cyanamide

Captan [1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-]

Carbaryl [1-Naphthalenol, methylcarbamate]

Carbofuran

Carbon disulfide

Carbon tetrachloride

Carbonyl sulfide

Carboxin (5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiazin-3-carboxamide)

Catechol

Chinomethionat [6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one]

Chloramben [Benzoic acid, 3-amino-2,5-dichloro-]

Chlordane [4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]

Chlorendic acid

Chlorimuron ethyl [Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate]

Chlorine

Chlorine dioxide

Chloroacetic acid

2-Chloroacetophenone

1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride

p-Chloroaniline

Chlorobenzene

Chlorobenzilate [Benzenoacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester]

1-Chloro-1,1-difluoroethane (HCFC-142b)

Chlorodifluoromethane (HCFC-22)

Chloroethane (Ethyl chloride)

Chloroform

Chloromethane (Methyl chloride)

Chloromethyl methyl ether

3-Chloro-2-methyl-1-propene

p-Chlorophenyl isocyanate

Chloropicrin

Chloroprene

3-Chloropropionitrile

Chlorotetrafluoroethane

1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)

2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)

Chlorothalonil [1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-]

p-Chloro-o-toluidine

2-Chloro-1,1,1-trifluoroethane (HCFC-133a)

Chlorotrifluoromethane (CFC-13)

3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)

Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]

Chlorsulfuron [2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide]

Chromium

C.I. Acid Green 3

C.I. Acid Red 114

C.I. Basic Green 4

C.I. Basic Red 1

C.I. Direct Black 38

C.I. Direct Blue 6

C.I. Direct Blue 218

C.I. Direct Brown 95

C.I. Disperse Yellow 3

C.I. Food Red 5

C.I. Food Red 15

C.I. Solvent Orange 7

C.I. Solvent Yellow 3

C.I. Solvent Yellow 14

C.I. Solvent Yellow 34 (Auramine)

C.I. Vat Yellow 4

Cobalt

Copper

Creosote

p-Cresidine

m-Cresol

o-Cresol

p-Cresol

Cresol (mixed isomers)

Crotonaldehyde

Cumene

Cumene hydroperoxide

Cupferron [Benzeneamine, N-hydroxy-N-nitroso, ammonium salt]

Cyanazine

Cycloate

Cyclohexane

Cyclohexanol

Cyfluthrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester]

Cyhalothrin [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl)methyl ester]

2,4-D [Acetic acid, (2,4-dichlorophenoxy)-]

Dazomet (Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)

Dazomet, sodium salt [Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium]

2,4-DB

2,4-D butoxyethyl ester

2,4-D butyl ester

2,4-D chlorocrotyl ester

Decabromodiphenyl oxide

Desmedipham

2,4-D 2-ethylhexyl ester

2,4-D 2-ethyl-4-methylpentyl ester

Diallate [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl)ester]

2,4-Diaminoanisole

2,4-Diaminoanisole sulfate

4,4'-Diaminodiphenyl ether

2,4-Diaminotoluene

Diaminotoluene (mixed isomers)

Diazinon

Diazomethane

Dibenzofuran

1,2-Dibromo-3-chloropropane (DBCP)

1,2-Dibromoethane (Ethylene dibromide)

Dibromotetrafluoroethane (Halon 2402)

Dibutyl phthalate

Dicamba (3,6-Dichloro-2-methoxybenzoic acid)

Dichloran [2,6-Dichloro-4-nitroaniline]

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Dichlorobenzene (mixed isomers)

3,3'-Dichlorobenzidine

3,3'-Dichlorobenzidine dihydrochloride

3,3'-Dichlorobenzidine sulfate

Dichlorobromomethane

1,4-Dichloro-2-butene

trans-1,4-Dichloro-2-butene

1,2-Dichloro-1,1-difluoroethane (HCFC-132b)

Dichlorodifluoromethane (CFC-12)

1,2-Dichloroethane (Ethylene dichloride)

1,2-Dichloroethylene

1,1-Dichloro-1-fluoroethane (HCFC-141b)

Dichlorofluoromethane (HCFC-21)

Dichloromethane (Methylene chloride)

Dichloropentafluoropropane

1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)

1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)

1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)

1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)

1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)

1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)

2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)

2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)  
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)  
Dichlorophene [2,2'-Methylenebis(4-chlorophenol)]  
2,4-Dichlorophenol  
1,2-Dichloropropane  
trans-1,3-Dichloropropene  
2,3-Dichloropropene  
1,3-Dichloropropylene  
Dichlorotetrafluoroethane (CFC-114)  
Dichlorotrifluoroethane  
Dichloro-1,1,2-trifluoroethane  
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)  
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)  
2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)  
Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]  
Diclofop methyl [2-[4-(2,4-Dichlorophenoxy)phenoxy]propanoic acid, methyl ester]  
Dicofol [Benzenemethanol, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -(trichloromethyl)-]  
Dicyclopentadiene  
Diepoxybutane  
Diethanolamine  
Diethyl ethyl  
Di(2-ethylhexyl)phthalate (DEHP)  
Diethyl sulfate  
Diflubenzuron  
Diglycidyl resorcinol ether  
Dihydrosafrole  
Dimethipin [2,3-Dihydro-5,6-dimethyl-1,4-dithiin-1,1,4,4-tetraoxide]  
Dimethoate  
3,3'-Dimethoxybenzidine  
3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)  
3,3'-Dimethoxybenzidine hydrochloride (o-Dianisidine hydrochloride)  
Dimethylamine  
Dimethylamine dicamba  
4-Dimethylaminoazobenzene

N,N-Dimethylaniline

3,3'-Dimethylbenzidine (o-Tolidine)

3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)

3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidine dihydrofluoride)

Dimethylcarbanyl chloride

Dimethyl chlorothiophosphate

N,N-Dimethylformamide

1,1-Dimethyl hydrazine

2,4-Dimethylphenol

Dimethyl phthalate

Dimethyl sulfate

m-Dinitrobenzene

o-Dinitrobenzene

p-Dinitrobenzene

Dinitrobutyl phenol (Dinoseb)

4,6-Dinitro-o-cresol

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,6-Dinitrotoluene

Dinitrotoluene (mixed isomers)

Dinocap

1,4-Dioxane

Diphenamid

Diphenylamine

1,2-Diphenylhydrazine (Hydrazobenzene)

Dipotassium endothall [7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]

Dipropyl isocinchomeronate

Disodium cyanodithioimidocarbonate

2,4-D isopropyl ester

2,4-Dithiobiuret

Diuron

Dodine [Dodecylguanidine monoacetate]

2,4-DP

2,4-D propylene glycol butyl ether ester

2,4-D sodium salt

Epichlorohydrin

Ethoprop [Phosphorodithioic acid O-ethyl S,S-dipropyl ester]

2-Ethoxyethanol

Ethyl acrylate

Ethylbenzene

Ethyl chloroformate

Ethyl dipropylthiocarbamate (EPTC)

Ethylene

Ethylene glycol

Ethyleneimine (Aziridine)

Ethylene oxide

Ethylene thiourea

Ethylidene dichloride

Famphur

Fenarimol [ $\alpha$ -(2-Chlorophenyl)- $\alpha$ -(4-chlorophenyl)-5-pyrimidinemethanol]

Fenbutatin oxide (Hexakis(2-methyl-2-phenylpropyl)distannoxane)

Fenoxaprop ethyl [2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester]

Fenoxycarb [[2-(4-Phenoxyphenoxy)ethyl]carbamic acid ethyl ester]

Fenpropathrin [2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester]

Fenthion [O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl]ester, phosphorothioic acid]

Fenvalerate [4-Chloro- $\alpha$ -(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester]

Ferbam [Tris(dimethylcarbamodithioato-S,S')iron]

Fluazifop butyl [2-[4-[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester]



Fluometuron [Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-]  
Fluorine  
Fluorouracil (5-Fluorouracil)  
Fluvalinate [N-[2-Chloro-4-(trifluoromethyl)phenyl]-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester]  
Folpet  
Fomesafen [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-nitrobenzamide]  
Formaldehyde  
Formic acid  
Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]  
Furan  
Glycidol  
Heptachlor [1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene]  
Hexachlorobenzene  
Hexachloro-1,3-butadiene  
alpha-Hexachlorocyclohexane  
Hexachlorocyclopentadiene  
Hexachloroethane  
Hexachloronaphthalene  
Hexachlorophene  
Hexamethylphosphoramide  
n-Hexane  
Hexazinone  
Hydramethylnon [Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylydene]hydrazone]  
Hydrazine  
Hydrazine sulfate  
Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)  
Hydrogen cyanide  
Hydrogen fluoride  
Hydrogen sulfide  
Hydroquinone  
Imazalil [1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole]  
3-Iodo-2-propynyl butylcarbamate  
Iron pentacarbonyl

Isobutyraldehyde

Isafenphos [2-[[Ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]

Isoprene

Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)

4,4'-Isopropylidenediphenol

Isosafrole

Lactofen [Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]

Lead (when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)

Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )-]

Linuron

Lithium carbonate

Malathion

Maleic anhydride

Malononitrile

Maneb [Carbamodithioic acid, 1,2-ethanediybis-, manganese complex]

Manganese

Mecoprop

2-Mercaptobenzothiazole (MBT)

Mercury

Merphos

Methacrylonitrile

Metham sodium (Sodium methylthiocarbamate)

Methanol

Methazole [2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]

Methiocarb

Methoxone ((4-Chloro-2-methylphenoxy)acetic acid) (MCPA)

Methoxone sodium salt ((4-Chloro-2-methylphenoxy)acetate sodium salt)

Methoxychlor [Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]

2-Methoxyethanol

Methyl acrylate

Methyl tert-butyl ether

Methyl chlorocarbonate

4,4'-Methylenebis(2-chloroaniline) (MBOCA)

4,4'-Methylenebis(N,N-dimethyl)benzenamine

Methylene bromide  
4,4'-Methylenedianiline  
Methyleugenol  
Methyl hydrazine  
Methyl iodide  
Methyl isobutyl ketone  
Methyl isocyanate  
Methyl isothiocyanate [Isothiocyanatomethane]  
2-Methylactonitrile  
Methyl methacrylate  
N-Methylolacrylamide  
Methyl parathion  
2-Methylpyridine  
N-Methyl-2-pyrrolidone  
Metiram  
Metribuzin  
Mevinphos  
Michler's ketone  
Molinate (1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester)  
Molybdenum trioxide  
Monochloropentafluoroethane (CFC-115)  
Monuron  
Mustard gas [Ethane, 1,1'-thiobis[2-chloro-]]  
Myclobutanil [ $\alpha$ -Butyl- $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile]  
Nabam  
Naled  
Naphthalene  
alpha-Naphthylamine  
beta-Naphthylamine  
Nickel  
Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)  
Nitric acid  
Nitrilotriacetic acid  
p-Nitroaniline  
o-Nitroanisole  
5-Nitro-o-anisidine  
Nitrobenzene

4-Nitrobiphenyl  
Nitrofen [Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]  
Nitrogen mustard [2-Chloro-N-(2-chloroethyl)-N-methylethanamine]  
Nitroglycerin  
Nitromethane  
2-Nitrophenol  
4-Nitrophenol  
2-Nitropropane  
N-Nitrosodi-n-butylamine  
N-Nitrosodiethylamine  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
p-Nitrosodiphenylamine  
N-Nitrosodi-n-propylamine  
N-Nitroso-N-ethylurea  
N-Nitroso-N-methylurea  
N-Nitrosomethylvinylamine  
N-Nitrosomorpholine  
N-Nitrosornicotine  
N-Nitrosopiperidine  
o-Nitrotoluene  
5-Nitro-o-toluidine  
Norflurazon [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]  
Octachloronaphthalene  
Octachlorostyrene  
Oryzalin [4-(Dipropylamino)-3,5-dinitrobenzene sulfonamide]  
Osmium tetroxide  
Oxydemeton methyl [S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid]  
Oxydiazon [3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]  
Oxyfluorfen  
Ozone  
Paraldehyde  
Paraquat dichloride  
Parathion [Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl)ester]

Pebulate [Butylethylcarbamothioic acid S-propyl ester]

Pendimethalin [N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine]

Pentachlorobenzene

Pentachloroethane

Pentachlorophenol (PCP)

Pentobarbital sodium

Peracetic acid

Perchloromethyl mercaptan

Permethrin [3-(2,2-Dichloroethyl)-2,2-dimethylcyclopropanecarboxylic acid, (3-phenoxyphenyl)methyl ester]

Phenanthrene

Phenol

Phenolphthalein

Phenothrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]

1,2-Phenylenediamine

1,3-Phenylenediamine

p-Phenylenediamine

1,2-Phenylenediamine dihydrochloride

1,4-Phenylenediamine dihydrochloride

2-Phenylphenol

Phenytoin

Phosgene

Phosphine

Phosphorus (yellow or white)

Phthalic anhydride

Picloram

Picric acid

Piperonyl butoxide

Pirimiphos methyl [O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethylphosphorothioate]

Polychlorinated biphenyls (PCBs)

Potassium bromate

Potassium dimethyldithiocarbamate

Potassium N-methyldithiocarbamate

Profenofos [O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]

Prometryn [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]

Pronamide

Propachlor [2-Chloro-N-(1-methylethyl)-N-phenylacetamide]

Propane sultone

Propanil [N-(3,4-Dichlorophenyl)propanamide]

Propargite

Propargyl alcohol

Propetamphos [3-[[[(Ethylamino)methoxyphosphinothioyl]oxy]-2-butenic acid, 1-methylethyl ester]

Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl-1H-1,2,4,-triazole]

beta-Propiolactone

Propionaldehyde

Propoxur [Phenol, 2-(1-methylethoxy)-, methylcarbamate]

Propylene (Propene)

Propyleneimine

Propylene oxide

Pyridine

Quinoline

Quinone

Quintozene (Pentachloronitrobenzene)

Quizalofop-ethyl [2-[4-[(6-Chloro-2-quinoxalinyloxy]phenoxy]propanoic acid ethyl ester]

Resmethrin [[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]

Saccharin (only persons who manufacture are subject, no supplier notification)

Safrole

Selenium

Sethoxydim [2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxyl-2-cyclohexen-1-one]

Silver

Simazine

Sodium azide

Sodium dicamba [3,6-Dichloro-2-methoxybenzoic acid, sodium salt]

Sodium dimethyldithiocarbamate

Sodium fluoroacetate

Sodium nitrite

Sodium pentachlorophenate

Sodium o-phenylphenoxide

Styrene

Styrene oxide

Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Sulfuryl fluoride (Vikane)

Sulprofos [O-Ethyl O-[4-(methylthio)phenyl]phosphorodithioic acid S-propylester]

Tebuthiuron [N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]

Temephos

Terbacil [5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]

Tetrabromobisphenol A

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

Tetrachloroethylene (Perchloroethylene)

1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)

1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)

Tetrachlorvinphos [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester]

Tetracycline hydrochloride

Tetrafluoroethylene

Tetranitromethane

Tetramethrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]

Thallium

Thiabendazole [2-(4-Thiazolyl)-1H-benzimidazole]

Thioacetamide

Thiobencarb [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]

4,4'-Thiodianiline

Thiodicarb

Thiophanate ethyl [[1,2-Phenylenebis(iminocarbonothioyl)]biscarbamic acid diethylester]

Thiophanate methyl

Thiosemicarbazide

Thiourea

Thiram

Thorium dioxide

Titanium tetrachloride

Toluene

Toluene-2,4-diisocyanate

Toluene-2,6-diisocyanate

Toluene diisocyanate (mixed isomers)

o-Toluidine

o-Toluidine hydrochloride

Toxaphene

Triadimefon [1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]

Triallate

Triaziuone [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]

Tribenuron methyl [Benzoic acid, 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]-, methyl ester]

Tributyltin fluoride

Tributyltin methacrylate

S,S,S-Tributyltrithiophosphate (DEF)

Trichlorfon [Phosphoric acid, (2,2,2-trichloro-1-hydroxy-ethyl)-, dimethyl ester]

Trichloroacetyl chloride

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane (Methyl chloroform)

1,1,2-Trichloroethane

Trichloroethylene

Trichlorofluoromethane (CFC-11)

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

1,2,3-Trichloropropane

Triclopyr triethylammonium salt

Triethylamine

Trifluralin [Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-]

Triforine [N,N'-[1,4-Piperazinediylbis-(2,2,2-trichloroethylidene)]bisformamide]

1,2,4-Trimethylbenzene

2,3,5-Trimethylphenyl methylcarbamate

Triphenyltin chloride

Triphenyltin hydroxide

Tris(2,3-dibromopropyl)phosphate

Trypan blue

Urethane (Ethyl carbamate)

Vanadium (except when contained in an alloy)

Vinclozolin [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]

Vinyl acetate



Vinyl bromide

Vinyl chloride

Vinyl fluoride

Vinylidene chloride

m-Xylene

o-Xylene

p-Xylene

Xylene (mixed isomers)

2,6-Xylidine

Zinc (fume or dust)

Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]

Antimony compounds

Arsenic compounds

Barium compounds (except for barium sulfate (CAS No. 7727-43-7))

Beryllium compounds

Cadmium compounds

Chlorophenols

Chromium compounds (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately 2,000 °F.)

Cobalt compounds

Copper compounds (this category does not include copper phthalocyanine compounds that are substituted with only hydrogen, and/or chlorine, and/or bromine.)

Cyanide compounds

Diisocyanates (includes 20 specific compounds)

Dioxin and dioxin-like compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin like compounds if the dioxin and dioxin like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.)(includes 17 specific compounds)

Ethylenebisdithiocarbamic acid, salts and esters

Certain glycol ethers

Hexabromocyclododecane (includes 2 specific compounds)

Lead compounds

Manganese compounds

Mercury compounds

Nickel compounds

Nicotine and salts

Nitrate compounds (water dissociable; reportable only when in aqueous solution)

Nonylphenol

Polybrominated biphenyls (PBBs)

Polychlorinated alkanes (C10-C13)

Polycyclic aromatic compounds (includes 25 specific compounds)

Selenium compounds

Silver compounds

Strychnine and salts

Thallium compounds

Vanadium compounds

Warfarin and salts

Zinc compounds

Benz(a)anthracene

Benzo(b)fluoranthene

Benzo(j)fluoranthene

Benzo(k)fluoranthene

Benzo(j,k)fluorene

Benzo(r,s,t)pentaphene

Benzo(a)phenanthrene

Benzo(a)pyrene

Dibenz(a,h)acridine

Dibenz(a,j)acridine

Dibenzo(a,h)anthracene

7H-Dibenzo(c,g)carbazole

Dibenzo(a,e)fluoranthene

Dibenzo(a,e)pyrene

Dibenzo(a,h)pyrene

Dibenzo(a,l)pyrene

7,12-Dimethylbenz(a)anthracene

1,6-Dinitropyrene  
1,8-Dinitropyrene  
Indeno(1,2,3-cd)pyrene  
3-Methylcholanthrene  
5-Methylchrysene  
6-Nitrochrysene  
1-Nitropyrene  
4-Nitropyrene  
1,3-Bis(methylisocyanate)cyclohexane  
1,4-Bis(methylisocyanate)cyclohexane  
1,4-Cyclohexane diisocyanate  
Diethyldiisocyanatobenzene  
4,4'-Diisocyanatodiphenyl ether  
2,4'-Diisocyanatodiphenyl sulfide  
3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
3,3'-Dimethyl-4,4'-diphenylene diisocyanate  
3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate  
Hexamethylene-1,6-diisocyanate  
Isophorone diisocyanate  
4-Methyldiphenylmethane-3,4-diisocyanate  
1,1-Methylenebis(4-isocyanatocyclohexane)  
Methylenebis(phenylisocyanate) (MDI)  
1,5-Naphthalene diisocyanate  
1,3-Phenylene diisocyanate  
1,4-Phenylene diisocyanate  
Polymeric diphenylmethane diisocyanate  
2,2,4-Trimethylhexamethylene diisocyanate  
2,4,4-Trimethylhexamethylene diisocyanate  
2,3,7,8-Tetrachlorodibenzo-p-dioxin  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin  
2,3,7,8-Tetrachlorodibenzofuran  
1,2,3,7,8-Pentachlorodibenzofuran  
2,3,4,7,8-Pentachlorodibenzofuran  
1,2,3,4,7,8-Hexachlorodibenzofuran  
1,2,3,6,7,8-Hexachlorodibenzofuran  
1,2,3,7,8,9-Hexachlorodibenzofuran  
2,3,4,6,7,8-Hexachlorodibenzofuran  
1,2,3,4,6,7,8-Heptachlorodibenzofuran  
1,2,3,4,7,8,9-Heptachlorodibenzofuran  
1,2,3,4,6,7,8,9-Octachlorodibenzofuran  
4-Nonylphenol  
Isononylphenol

Nonylphenol

4-Isononylphenol

4-Nonylphenol, branched

Nonylphenol, branched.

1,2,5,6,9,10-Hexabromocyclododecane

Hexabromocyclododecane

**De Minimis Category Description**

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Includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

See notes

Includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains barium as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

0.1

Defined by chemical structure. Phenol with Cl<sub>x</sub> and H(5-x) where x = 1 to 5

Includes any unique chemical substance that contains chromium as part of that chemical's infrastructure.

See notes

See notes

Includes any unique chemical substance that contains cobalt as part of that chemical's infrastructure.

1.0

Includes any unique chemical substance that contains copper as part of that chemical's infrastructure.

1.0

X CN where X = H or any other group where a formal dissociation can be made. For example KCN or Ca(CN)<sub>2</sub>

1.0

All members are listed below and marked as "diisocyanate" in column E

All members are listed below and marked as "dioxin" in column E

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Includes any unique chemical substance that contains an EBDC or an EBDC salt as part of that chemical's infrastructure.

1.0

R - (OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub> - OR' where: n = 1, 2, or 3; R = Alkyl C7 or less; or

R = phenyl or alkyl substituted phenyl; R' = H or alkyl C7 or less; or

OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

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All members are listed below and marked as "HBCD" in column E





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## Category Member



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List Categories

**Type**

Paint

Reducer

Catalyst

Adhesion Promoter

Thinner

Gelcoat

Mold Release

Resin

Adhesive

Purge & Cleanup

Other-Non Coating

**MACT PPPP**

General Use Coating

Automotive Lamp Coating

Thermoplastic Olefin Coating

Assembled On-road Vehicle Coating

**MACT VVVV Gelcoat/Resin Type**

White

Pigmented Gelcoat

Clear Gelcoat

Tooling Gelcoat

Production Resin

Tooling Resin

**MACT WWWW Gelcoat/Resin**

CR/HS Resin

Non CR/HS Resin

Tooling Resin

Low-flame spread/low-smoke

Shrinkage controlled resin

Tooling Gelcoat

White/off white Gelcoat

Pigmented Gelcoat

CR/HS or high performance Gelcoat

Fire retardent gelcoat

Clear production gelcoat

**Table 1 - Material Purchased**

Tier Two - Report Year 2021

Great Lakes Composite, LLC, Owasso, MI

Code	Material	Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Maximum	Average
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	Gelcoat	2775	2400	1500	1500	2200	4557	13.1	4166	3830	3037	3262	1050		
645286	Polycor Hap37 Light Gray 964AP416	Gelcoat	0	1350	1720	1720	2826	1970	3000	1500	1190	1802	1716	1030		
601211	RHD-3507 Jet Black Revolution HD	Gelcoat	1666	1025	1150	1150	1855	1500	1250	1333	1785	1883	2317	2166		
623680	Polycor 944WP506 Off White	Gelcoat	530	1225	672	672	883	1120	2500	0	1020	1287	1716	2091		
645283	Polycor HAP37 Tan 964NP451	Gelcoat	1395	1175	1060	1060	1766	0	3250	3166	2550	2317	3776	1500		
557967	Int w419-Luu-CSA White -Tub	Gelcoat	500	750	550	2250	1666	1666	0	500	510	1030	1030	1000		
691773	Vanilla Seats	Gelcoat	500	0	0	0	50	522	0	0	0	0	0	0		
681121	HAP37 Oxford Gray-BC	Gelcoat	509	675	750	750	1943	2166	4166	4000	3910	2317	3862	3666		
681120	HAP37 French Gray-BC Polycor 964NP590	Gelcoat	509	675	675	675	2473	2333	2833	2666	1530	1883	1888	2500		
681060	HAP37 Beige-BC Polycor 964NP589	Gelcoat	0	1000	750	750	353	333	500	250	1785	1716	2188	1000		
640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	Gelcoat	0	1540	1453	1453	90	1000	333	500	680	515	515	0		
671487	Polycor HAP37 CONCH SHELL 964NP555	Gelcoat	900	1000	1000	1000	530	1000	1120	750	1275	1545	1545	0		
671485	HURRICANE WHITE ArmorFlex 953WP762	Gelcoat	500	550	520	520	0	250	800	750	850	1030	515	0		
681409	HAP37 DK GRAY 2020	Gelcoat	0	0	0	0	500	1580	0	0	0	0	0	0		
671486	Polycor HAP37 Buckskin 964NP553	Gelcoat	832	1350	750	1320	1325	1166	1750	1666	1590	1545	1201	0		
106387	Armorcote Green 961GJ117	Gelcoat	0	0	0	0	0	0	0	0	0	1716	1030	983		
694481	Alpine white low voc gel coat	Gelcoat	0	0	0	0	0	0	0	1666	2210	708	3605	3250		
694478	Latte khaki low voc gel coat	Gelcoat	0	0	0	0	0	0	0	1750	1700	0	3605	3250		
697441	Mission White Gel Coat	Gelcoat	0	0	0	0	0	0	0	0	2210	0	0	1666		
697384	Dk Gray Avalon	Gelcoat	0	0	0	0	0	0	0	0	3825	0	0	0		
634516	Maxguard IG-LEI-J148A Gelcoat (Light Purple)	Gelcoat	0	0	0	0	0	0	0	0	0	90	0	90		
635220	Ash FB Ag-lei-M155a instint gel Dark Brown	Gelcoat	0	0	0	0	0	0	0	0	0	0	0	1500		
693428	INT DX N-1832-LNHN TAN Y038 LOW VOC GEL COAT 530#/DRUM	Gelcoat	0	0	0	0	530	1050	0	0	0	0	0	0		
679751	INT DX B-1536B-LNHN GREY LOW VOC GEL COAT	Gelcoat	1320	1000	1000	1000	1325	500	666	450	510	0	0	0		
630241	ASC DX 84-810660 LIGHT GRAY SANDABLE GEL COAT	Gelcoat	0	0	0	500	1750	500	0	0	0	0	0	0		
638072	ASC DX 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	Gelcoat	350	400	400	400	900	1095	0	0	0	0	0	0		
691064	PCU DX 964-NP-615 TAN-MANIT HAP37 GEL COAT	Gelcoat	0	0	0	508	500	0	0	3750	0	3605	3261	1475		
691065	PCU DX 964-AP-678 GRAY-MANIT HAP37 GEL COAT	Gelcoat	0	0	0	1524	706	0	0	0	0	0	0	0		
694221	PCU DX 964-NP-626 BEIGE-MANIT HAP37 GEL COAT	Gelcoat	0	0	0	500	500	500	530	1500	1530	1545	2188	1000		
694430	int dx b -1774 Lhnn Flint Some Low Voc	Gelcoat	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
684864	INE FV MAX WG-LEI-1717A MISSION WHITE INSTINT GC NA06	Gelcoat	0	0	0	0	700	0	0	0	0	0	0	0		
ash	Ash max yg-lei x 027a yellow	Gelcoat	0	315	0	0	0	0	0	0	280	0	0	0		
yellow		Gelcoat	0	0	0	315	280	405	0	0	0	0	0	0		
631808	INE FV MAX GG-LEI-R6027A LIGHT GREEN INSTINT GEL COAT NA01	Gelcoat	40	45	40	40	0	0	0	0	0	0	0	0	#N/A	#N/A
539089	Norox MCP-75 FRED	Catalyst	96	64	128	128	128	160	120	304	136	104	96	312		
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst	88	40	136	136	136	256	120	176	152	120	136	284		
562196	Norox Azox Fred - Acetyl Acetone Peroxide	Catalyst	120	64	112	112	112	112	120	408	144	39	96	114.4		
205702	Norox MEKP-9H	Catalyst	0	0	0	0	0	64	0	0	0	0	0	80		
628769	SCIGRIP SG605B-B Activator	Catalyst	0	0	0	0	0	0	0	282.73	235	235	188	0		
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	Catalyst	3250	300	300	500	550	0	0	0	200	0	0	0		
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	Catalyst	0	0	0	0	0	12	0	0	0	0	0	0		
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	Catalyst	0	0	0	0	0	12	0	0	0	0	0	0	3,554	943



**Table 1 - Material Purchased**

Tier Two - Report Year 2021

Great Lakes Composite, LLC, Owasso, MI

Code	Material	Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Maximum	Average
505853	Stypol 040-8086 Unsaturated Polyester Resin	Resin	3625	1500	666	3500	3250	1500	515	3500	2250	1673	0	166		
651875	Bulk Resin 136-7977	Resin	13391	0	17639	17639	21411	15498	0	0	0	0	0	0		
38307	Hetron FR 992	Resin	1500	500	180	180	500	907	0	0	0	0	0	1514		
38101	Hetron 197 P Resin	Resin	0	0	0	0	0	0	0	0	0	0	0	0		
A	pcu 33234-24 low styrene resin	Resin	958	500	666	2000	2000	2000	2000	2500	0	0	0	0		
31353	RESIN dion 9300 fr	Resin	0	0	0	0	0	0	0	0	0	0	0	452		
583175	Resin Corve 8401	Resin	0	0	0	0	0	0	0	0	0	0	0	350		
517127	INE FV HETRON 197P RESIN VE FLAME RETARDANT	Resin	500	0	48	48	48	507	0	0	0	0	0	0		
647477	PCU FV 752-4420-20 CLASS I FR INFUSION RESIN 45#/PAIL	Resin	45	45	40	40	0	0	0	0	0	0	0	0		
689737	INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN 45#/PAIL	Resin	0	0	0	0	0	0	0	0	0	0	0	0		
647570	AOC H884-IVA-20	Resin	15516	13242	8661	8661	24300	16876	28080	26448	18560	11538	11666	19696		
83022	AXS GL APF 7 WHITE RESIN F011048 2GL/CTN 24# CLEX	Resin	0	0	0	0	0	0	0	0	0	0	0	0	51,509	27,583
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	Mold Release	0	0	0	0	0	0	0	6.3384	12.677	12.677	0	6.3384		
553587	955 EZ Wipe II Semi Perm Release - Mold Release	Mold Release	3	4	4	4	0	2	30.233	30.233	18.14	18.14	24.186	18.14		
50912	MR 910/910FD TR 910 FD Mold Release	Mold Release	3	3	2	2	4	0	37.73	37.73	37.73	31.442	37.73	25.153		
50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104 LTD QTY	Mold Release	0	0	0	0	0	0	0	0	0	0	0	0		
50523	TR Mold Release TR-214	Mold Release	0	0	0	0	0	0	0	0	8.34	8.34	8.34	0		
50522	TR-210 Mold Release	Mold Release	0	0	0	0	0	0	0	0	14.512	14.512	14.512	14.512		
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	Mold Release	0	0	0	0	0	0	0	0	0	0	0	0	91	42
40001	Acetone	Clean up	3650	1585	1990	1990	2400	4015	1540	2311	2007	2000	1460	4015	4,015	2,414
655932	SCIGRIP SG305A Adhesive	Adhesive	5	4	10	10	0	4	0	329.85	180	180	45	0	330	64
595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY		0	3	3	3	3	2	0	0	0	0	0	0	3	1
29009	R061-46 - Polyester Bonding Putty		700	850	750	1400	1400	700	0	0	0	0	0	0	1,400	483
533074	UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MATERIAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#490269		0	0	0	0	0	0	0	0	0	0	0	0	0	0
574675	Denatured Alcohol - PC-1010		0	0	0	0	0	0	1106.9	0	32.943	52.709	0	0	1,107	99
536301	AXE GL S19C SEALER 4 GL/CTN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY		0	0	0	0	0	0	0	0	0	0	0	0	0	0
105435	CHL GL MPP 117 PRIMER	Primer	0	0	0	0	0	0	0	0	14.578	0	0	0	15	1
50911	905 TR Mold Prep Cleaner	Mold Cleaner	1	3	2	2	4	4	20.767	41.533	13.844	20.767	20.767	13.844	42	12
51287	502 TR Wax Build Up Remoer	Mold Cleaner	0	0	0	0	0	0	0	0	0	0	0	8.34	8	1
548759	Chemlease 15 Sealer EZ	Sealer	0	0	0	0	0	0	0	6.3384	6.3384	0	0	0	6	1
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
51609	Clear Hi-Gloss Additive	Additive	0	0	0	0	0	0	0	0	17.514	17.514	0	0	18	3



2021 MAERS Report

Great Lakes Composites, LLC (SRN: N2430)

Emission Unit/ Reporting Group	Activity SCC Code	Product Name	Material	Usage		Density (lb/gal)	VOC Content (wt%)	VOC emission factor (lb/ton)	VOC % Emitted	VOC Emissions (lbs/year)
				Quantity	Units					
EUADHESIVEDISPING	39999999	628769	SCIGRIP SG605B-B Activator	282.7	lb	9.42	0%		0.5%	0.0
		655932	SCIGRIP SG305A Adhesive	3257.2	lb	8.4234	0%		0.5%	0.1
		567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	131.2	lb	10.008	0%		0.5%	0.0
		559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	93.2	lb	10.008	0%		0.5%	0.0
		Total		1.88	ton	8.59	0.3%			0.1
EUCLEANUP	49099998	40001	Acetone	49847.38	lb	6.5886	0%		100%	0.0
		40001REC	Acetone Recyled	-25585.8654	lb	6.5886	0%		100%	0.0
		528737	941-CJ-018 clear Patching Thinner	41.7	lb	8.34	62%		100%	25.9
		534109	Clear Patching Thinner 963-CA-220	8.69862	lb	8.69862	58%		100%	5.0
		574675	Denatured Alcohol - PC-1010	1390.1946	lb	6.5886	100%		100%	1,390.2
		654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL	98.829	lb	6.5886	100%		100%	98.8
		512587	502 TR Wax Build Up Remover	0	lb	8.34	63%		100%	0.0
		Total		3,914.35	gal	6.59	5.9%			1,519.9
EUFOAM	39999999	27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	5960	lb	10.181388	6%	120.14	1%	3.6
		526125	Elastopor P 15390R resin	6880	lb	9.0906	26%	520	1%	17.9
		Total		6.42	ton	9.60	16.7%			21.5
RGRTMPRESS	30800736	539089	Norox MCP-75 FRED	3040	lb	16.7	10%	200	1%	3.0
		23172	Luperox DDM-9 CLEAR 1536#/PLT	2420	lb	8.413392	2%	40	1%	0.5
		205702	Norox MEKP-9H	144	lb	9.17994	5%	100	1%	0.1
		562196	Norox Azox Fred - Acetyl Acetone Peroxide	835.4	lb	9.174	5%	100	1%	0.4
		505853	Stypol 040-8086 Unsaturated Polyester Resin	33110	lb	9.08814545	40%	800	1%	132.4
		651875	Bulk Resin 136-7977	92851	lb	9.06558	43%	869.2	1%	403.5
		205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROXIDE BLE	64	lb	8.34	29%	570.5	1%	0.2
		647477	752-4420 Resin FR Infusion Resin	45	lb	10.6752	30%	606	1%	0.1
Total		132.51	1000 lb	9.24	40.8%			540.3		
RGOPENMOLDING	30800723	647570	AOC H884-IVA-20	231237	lb	9.174	32%	68.48	100%	7,917.6
		539089	Norox MCP-75 FRED	3106.92	lb	8.3454	10%	200	100%	310.7
		A	pcu 33234-24 low styrene resin	2997.34	lb	9.3408	36%	135.62	100%	203.2
		38101	Hetron 197 P Resin	2480	lb	9.49926	42%	97.548326	100%	121.0
		38307	Hetron FR 992	13466	lb	9.6807	40%	97.122002	100%	653.9
		29009	R061-46 - Polyester Bonding Putty	3500	lb	13.344	15%	300	100%	525.0
		536301	AXE GL S19C SEALER 4 GL/CTN	73.0584	lb	6.0882	100%	2000	100%	73.1
		23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#490269	318.9216	lb	7.97304	100%	2000	100%	318.9
		38284G	Patch aid clear 970xa014	79.11324	lb	8.79036	50%	1008.12	100%	39.9
		548759	Chemlease 15 Sealer EZ	6.3384	lb	6.3384	95%	1900	100%	6.0
		628635	IPS SG300-05-B BLACK 30248/30248RIT	4	lb	8.4234	79%	1580	100%	3.2
		205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROXIDE BLE	64	lb	8.34	29%	570.5	100%	18.3
		595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY	21788.25	lb	10.425	35%	76.9	100%	837.8
		83022	APF7 White 1011047	666	lb	17.7642	21%	420	100%	139.9
		Total		139.9	ton	9.36	32.4%			11,168.3

RGGELCOAT	30800722	645283	Polycor HAP37 Tan 964NP451	13324	lb	10.2731929	37%	271.38188	100%	1,807.9		
		645286	Polycor Hap37 Light Gray 964AP416	30233	lb	10.7071539	35%	238.39384	100%	3,603.7		
		551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	56736.9	lb	8.996346	41%	329.2164244	100%	9,339.4		
		623680	Polycor 944WP506 Off White	28711	lb	10.9324798	35%	247.00432	100%	3,545.9		
		640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	2797	lb	11.676	45%	334.48	100%	467.8		
		671487	Polycor HAP37 CONCH SHELL 964NP555	2881	lb	10.54176	36%	249.325	100%	359.2		
		205702	Norox MEKP-9H	144	lb	9.17994	5%	100	100%	7.2		
		671486	Polycor HAP37 Buckskin 964NP553	3415	lb	10.5084	36%	253.3792	100%	432.6		
		683929	HAP33 Browncrest Armorcote 991NP599	1100	lb	10.32492	33%	246.009	100%	135.3		
		681060	HAP37 Beige-BC Polycor 964NP589	4051	lb	10.52508	36%	250.0756	100%	506.5		
		681121	HAP37 Oxford Gray-BC	7622	lb	10.49172	37%	260.49148	100%	992.7		
		681120	HAP37 French Gray-BC Polycor 964NP590	5489	lb	10.47504	37%	261.75316	100%	718.4		
		681409	HAP37 DK GRAY 2020	5128	lb	10.44168	36%	256.5262	100%	657.7		
		557967	Int w419-Luu/CSA White- Tub	4330	lb	11.3424	29%	168.348	100%	364.5		
		691773	Vanilla- seats	1072	lb	10.90872	35%	247.5142	100%	132.7		
		622891	Polycor HAP37 Duck Yellow 964YP359	294	lb	10.3733377	36%	249.23668	100%	36.6		
		634516	Maxguard IG-LEI-J148A Gelcoat (Light Purple)	474	lb	8.996346	31%	198.83392	100%	47.1		
		23172	Luperox DDM-9 CLEAR 1536#/PLT	2420	lb	8.413392	2%	40	100%	48.4		
		106387	Armorcote Green 961GJ117	1716	lb	10.43175	35%	286.27932	100%	245.6		
		601211	RHD-3507 Jet Black Revolution HD	10158	lb	9.5076	32%	211.336	100%	1,073.4		
		693428	Tan Y038 low voc gel coat	2110	lb	10.5084	35%	244.36	100%	257.8		
		679751	A-Gray LOW VOC GEL COAT B-1536B	1655	lb	10.9254	35%	244.36	100%	202.2		
		671485	HURRICANE WHITE ArmorFlex 953WP762	1580	lb	10.8837	35%	233.63572	100%	184.6		
		630241	84-810660 Lt gray MACT sand	2500	lb	8.34	61%	454.72	100%	568.4		
		638072	ASC DX 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	3492	lb	8.34	35%	244.36	100%	426.7		
		684864	INE FV MAX WG-LEI-1717A MISSION WHITE INSTINT GC NA06	3875	lb	8.99052	29%	178.312	100%	345.5		
		691064	964-NP-615 Tan Maint Hap37 gel coat	11408	lb	10.43334	37%	262.29388	100%	1,496.1		
		691065	964AP678 Hap37 Gray gel coat	3514	lb	10.425	37%	262.47412	100%	461.2		
		694221	PCU DX 964-NP-626 BEIGE-MANIT HAP37 GEL COAT	2188	lb	10.50006	37%	259.86064	100%	284.3		
		631808	INE FV MAX GG-LEI-R6027A LIGHT GREEN INSTINT GEL COAT NAC	45	lb	8.99052	33%	214.36	100%	4.8		
		694481	Alpine white low voc gel coat	8273	lb	10.5918	36%	253.372	100%	1,048.1		
		694478	Latte khaki low voc gel coat	9065	lb	13.5108	35%	248.36	100%	1,125.7		
		697441	Mission White Gel Coat	3876	lb	10.90872	35%	247.69444	100%	480.0		
		635220	Ash FB Ag-lei-M155a instint gel Dark Brown	1500	lb	8.99052	33%	214.36	100%	160.8		
			yellow	--	1070	lb				100%	0.0	
			697384	Dk Gray Avalon	3825	lb	10.50006	36%	254.81392	100%	487.3	
		Total				121.04	ton	10.16	36.4%			32,056.0

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
	<b>Permit Enforceability</b> All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted.				
	Those conditions that are hereby incorporated in a state only enforceable Source-wide PTI pursuant to Rule 201(2)(d) are designated by footnote one.				
	Those conditions that are hereby incorporated in federally enforceable Source- wide PTI No. MI PTI B5830-2009 pursuant to Rule 201(2)(c) is designated by footnote two.				
1	<b>General Provisions</b> The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA.				
2	It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP.				
3	This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rules 215 and 216.				
4	The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP. b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP. c. Inspect, at reasonable times, any of the following: i. Any stationary source. ii. Any emission unit. iii. Any equipment, including monitoring and air pollution control equipment. iv. Any work practices or operations regulated or required under the ROP. d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.				
5	The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality.				

## General Conditions

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National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019

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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
6	A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP.				
7	The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451.				
8	This ROP does not convey any property rights or any exclusive privilege.				
9	<b>Equipment &amp; Design</b> Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2).				
10	Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law.				
11	<b>Emission Limits</b> Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in Subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following:" a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity. b. A limit specified by an applicable federal new source performance standard. The grading of visible emissions shall be determined in accordance with Rule 303.				
12	The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following: a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property. b. Unreasonable interference with the comfortable enjoyment of life and property. (R 336.1901(b))				
13	<b>Testing/Sampling</b> The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).				
14	Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003.				
15	Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test.				

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
16	<p><b>Monitoring/Record Keeping</b> Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate:</p> <ul style="list-style-type: none"> <li>a. The date, location, time, and method of sampling or measurements.</li> <li>b. The dates the analyses of the samples were performed.</li> <li>c. The company or entity that performed the analyses of the samples.</li> <li>d. The analytical techniques or methods used.</li> <li>e. The results of the analyses.</li> <li>f. The related process operating conditions or parameters that existed at the time of sampling or measurement.</li> </ul>				
17	All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP.				
18	<p><b>Certification &amp; Reporting</b> Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.</p>				
19	A responsible official shall certify to the appropriate District Office of the AQD and the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate District Office of the AQD pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, IL, 60604-3507.				
20	The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP.				
21	<p>The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP:</p> <ul style="list-style-type: none"> <li>a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).</li> <li>b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.</li> <li>c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.</li> </ul>				

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
22	For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: a. Submitting a certification by a responsible official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.  b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete. The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.				
23	Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate District Office of the AQD. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports.				
24	On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department.				
25	The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate District Office of the AQD. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a responsible official in a manner consistent with the CAA.				
26	<b>Permit Shield</b> Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance, if either of the following provisions is satisfied: a. The applicable requirements are included and are specifically identified in the ROP. b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source. Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.				
27	Nothing in this ROP shall alter or affect any of the following: a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the EPA under Section 303 of the CAA. b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA.				





# General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019

REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
28	The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following: a. Operational flexibility changes made pursuant to Rule 215 b. Administrative amendments made pursuant to Rule 216(1)(a)(i)-(iv). c. Administrative amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. d. Minor permit modifications made pursuant to Rule 216(2). e. State-only modifications made pursuant to Rule 216(4) until the changes have been approved by the department.				
29	Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action.				
30	<b>Revisions</b> For changes to any process or process equipment covered by this ROP that does not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215.				
31	A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1).				
32	For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216.				
33	Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable.				
34	<b>Reopenings</b> A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances: a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements.				
35	<b>Renewals</b> For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP.				
36	<b>Stratospheric Ozone Protection</b> If the permittee is subject to 40 CFR Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimed, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.				



## General Conditions

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National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
37	If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.				
38	<b>Risk Management Plan</b> If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).				
39	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of Part 68 no later than the latest of the following dates as provided in 68.10(a): a. June 21, 1999, b. Three years after the date on which a regulated substance is first listed under 68.130, or c. The date on which a regulated substance is first present above a threshold quantity in a process.				
40	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.				
41	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c).				
42	<b>Emission Trading</b> Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216.				
43	<b>Permit To Install (PTI)</b> The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.				
44	The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.				
45	The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, MDEQ.				
46	If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months, or has been interrupted for 18 months, the applicable terms and conditions from that PTI shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, MDEQ, AQD, P. O. Box 30260, Lansing, MI 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Emission Unit Conditions</b>					
<b>EUBLADE</b>					
EUBLADE	<b>DESCRIPTION:</b> One spray booth equipped with a handheld mechanical spray applicator for coating metal and plastic fan blades with resin and catalyst materials. Particulate emissions are controlled by dry filters. <b>Flexible Group ID:</b> FGMACTWWWWW				
EUBLADE	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booth				
EUBLADE	<b>I. EMISSION LIMIT(S):</b> 1. Styrene (CAS No. 100-42-5) - 800 lb/yr, <sup>1</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES Styrene lb/yr</a>	
EUBLADE	2. VOC (including styrene) - 1,000 lb/yr, <sup>2</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES VOC lb/yr</a>	
EUBLADE	<b>II. MATERIAL LIMIT(S):</b> 1. The styrene content of any resin used in EUBLADE shall not exceed 42.0 percent by weight. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUBLADES Styrene Content</a>	
EUBLADE	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUBLADE and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
EUBLADE	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		Lids closed, cool dry place, accumulation area, labeled
EUBLADE	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall not operate the spray booth associated with EUBLADE unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
EUBLADE	2. The permittee shall equip and maintain the spray booth in EUBLADE with mechanical spray or HVLP applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
EUBLADE	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii))	Yes	C		
EUBLADE	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUBLADE	3. The permittee shall keep the following information on a monthly basis for EUBLADE:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">EUBLADES Material Identity &amp; amount</a>	
	b. The styrene content (in percent by weight) of each resin used.	Yes	C	<a href="#">EUBLADES Styrene Content</a>	
	c. The VOC (including styrene) content of each material used.	Yes	C	<a href="#">EUBLADES VOC Content</a>	
	d. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)	Yes	C	<a href="#">EUBLADES Emission Factor</a>	
	e. Styrene emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUBLADES Styrene lb/yr</a>	
	f. VOC mass emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUBLADES VOC lb/yr</a>	
The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1225(2), R 336.1702(a))	Yes	C			
EUBLADE	<b>VII. REPORTING</b>	Yes	C		
EUBLADE	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
EUBLADE	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
EUBLADE	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
EUBLADE	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUBLADE	<b>IX. OTHER REQUIREMENT(S):</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUADHESIVEDISPING</b>					
EUADHESIVE DISPING	<b>DESCRIPTION:</b> A glue adhesive filling station and two (2) mechanical guns for the manual application of methyl methacrylate (MMA) and styrene based adhesives. <b>Flexible Group ID:</b> NA				
EUADHESIVE DISPING	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUADHESIVE DISPING	<b>I. EMISSION LIMIT(S):</b> 1. VOC (including styrene) - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	<b>II. MATERIAL LIMIT(S):</b> NA				
EUADHESIVE DISPING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUADHESIVEDISPING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall equip and maintain EUADHESIVEDISPING with mechanical gun, non-atomizing applicators or comparable technology with equivalent transfer efficiency whenever technically feasible. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years.(R 336.1213(3)(b)(ii)) NA	Yes	C		
EUADHESIVE DISPING	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
EUADHESIVE DISPING	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUADHESIVE DISPING	3. The permittee shall keep the following information on a monthly basis for EUADHESIVEDISPING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">EUADHESIVEDISPING Materials</a>	
	b. The VOC content (including styrene) of each material used, material, and the volume fraction of coating solids for each coating	Yes	C	<a href="#">EUADHESIVEDISPING VOC Content</a>	
	c. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)	Yes	C	<a href="#">EUADHESIVEDISPING VOC Emission Factors</a>	
EUADHESIVE DISPING	d. VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1225(2), R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
EUADHESIVE DISPING	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUADHESIVE DISPING	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUADHESIVE DISPING	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUADHESIVE DISPING	<b>IX. OTHER REQUIREMENT(S):</b> NA				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUFOAM</b>					
EUFOAM	<b>DESCRIPTION:</b> Polyurethane foam production for boat floatation. <b>Flexible Group ID:</b> FGMACTVVVV				
EUFOAM	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUFOAM	<b>I. EMISSION LIMIT(S):</b> NA				
EUFOAM	<b>II. MATERIAL LIMIT(S):</b> 1. The permittee shall not use more than 8,000 pounds per 12-month rolling time period of mixed polyol/isocyanate resin two-part foam in EUFOAM. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	Saw these materials on site. Always have usage? None reported for many months in 2020
EUFOAM	<b>III. PROCESS/OPERATIONAL RESTRICTIONS:</b> 1. The permittee shall capture all waste materials used in EUFOAM and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUFOAM	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUFOAM	<b>V. TESTING/SAMPLING:</b> NA				
EUFOAM	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))				
EUFOAM	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUFOAM	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUFOAM	3. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the amount of mixed polyol/isocyanate resin two-part foam used each month and 12-month rolling time period. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	
EUFOAM	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(iii))	Yes	C		
EUFOAM	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
EUFOAM	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
EUFOAM	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUFOAM	<b>IX. OTHER REQUIREMENT(S):</b> The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUCLEANUP</b>					
EUCLEANUP	<b>DESCRIPTION:</b> Miscellaneous cleanup activities including two (2) acetone recycle systems. <b>Flexible Group ID:</b> FGMACTVVVV, FGMACTWWW				There are actually three
EUCLEANUP	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUCLEANUP	<b>I. EMISSION LIMIT(S):</b>				
EUCLEANUP	1. Acetone (CAS No. 67-64-1) - 13.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	Show Diane how to enter recycled acetone with negative number on EUCLEANUP worksheet
EUCLEANUP	2. VOC - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
EUCLEANUP	<b>II. MATERIAL LIMIT(S):</b> NA				
EUCLEANUP	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in EUCLEANUP and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUCLEANUP	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUCLEANUP	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
EUCLEANUP	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
EUCLEANUP	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a)) (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
EUCLEANUP	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUCLEANUP	3. The permittee shall keep the following information on a monthly basis for EUCLEANUP:				
	a. The identity of each clean-up solvent used.	Yes	C	<a href="#">EUCLEANUP Material Identity</a>	
	b. The amount (in gallons or pounds) of each clean-up solvent used, recovered and reclaimed.	Yes	C	<a href="#">EUCLEANUP Usage &amp; Reclaim</a>	
	c. Acetone emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	
	d. VOC emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUCLEANUP	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
EUCLEANUP	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
EUCLEANUP	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUCLEANUP	<b>VIII. STACK/VENT RESTRICTION(S)</b> NA				
EUCLEANUP	<b>IX. OTHER REQUIREMENT(S):</b> NA				
EUCLEANUP	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and VVVV)</b>	Yes	C		
EUCLEANUP	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Flexible Group Conditions</b>					
<b>FGOPENMOLDING</b>					
FGOPEN MOLDING	<b>DESCRIPTION:</b> Three open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Operations include the use of resin, putty, and catalyst materials. Particulate emissions are controlled by dry filters.				
FGOPEN MOLDING	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, and EUEXTRABOOTH				
FGOPEN MOLDING	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGOPEN MOLDING	<b>I. EMISSION LIMIT(S)</b> NA				
FGOPEN MOLDING	1. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGOPENMOLDING VOC tpy</a>	
FGOPEN MOLDING	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the styrene content limits listed in the following table for FGOPENMOLDING: R 336.1702(a)	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
FGOPEN MOLDING	a) Flame Resistant Resins: 42.0%				
FGOPEN MOLDING	b) All other Resins: 33.5%				
FGOPEN MOLDING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGOPENMOLDING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGOPEN MOLDING	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		How are air filters disposed of?
FGOPEN MOLDING	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> 1. The permittee shall not operate any spray booth associated with FGOPENMOLDING unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGOPEN MOLDING	2. The permittee shall equip and maintain each of the spray booths in FGOPENMOLDING with mechanical applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGOPEN MOLDING	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
FGOPEN MOLDING	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGOPEN MOLDING	3. The permittee shall keep the following information on a monthly basis for FGOPENMOLDING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">FGOPENMOLDING Materials Used</a>	
	b. The styrene content (in percent by weight) of each resin used.	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
	d)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGOPENMOLDING Emission Factor</a>	
	e. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGOPENMOLDING Styrene tpy</a>	
	The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request.2 (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>VII. REPORTING</b> NA				
FGOPEN MOLDING	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:				
FGOPEN MOLDING	1. SVCHOP1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		Compare to old permit, see if diameter/height compare
FGOPEN MOLDING	2. SVCHOP2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	3. SVCHOP3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	4. SVCHOP4 - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	5. EUEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	<b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGOPEN MOLDING	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGGELCOAT</b>					
FGGELCOAT	<b>DESCRIPTION:</b> Two spray booths equipped with mechanical spray applicators for the application of gelcoat materials with a shared drying area. Operations include the use of gelcoats and catalysts. Particulate emissions are controlled by dry filters.				
FGGELCOAT	<b>Emission Units:</b> EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH				
FGGELCOAT	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGGELCOAT	2. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGGELCOAT VOC tpy</a>	
FGGELCOAT	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the monomer content limits listed in the following table for FGGELCOAT. <sup>2</sup> (R 336.1702(a))				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	a. White gelcoats - Max Styrene Content 31.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for White is 30.4% and MMA of
	b. Clear gelcoats - Max Styrene Content 32.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for Clear is 31.1% and MMA of
	c. All other pigmented gelcoats - Max Styrene Content 40.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Platinum Tan contains 40.0%. Max MMA content is 10%
	d. Tooling gelcoats - Max Styrene Content 43.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	No tooling gelcoats used in 2019
FGGELCOAT	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGGELCOAT and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
FGGELCOAT	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		During site visit saw many open buckets with gelcoats?
FGGELCOAT	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b>				
FGGELCOAT	1. The permittee shall not operate the spray booths associated with FGGELCOAT unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGGELCOAT	2. The permittee shall equip and maintain the spray booths in FGGELCOAT with HVLP applicators or technology with equivalent or lower styrene emission rates. For HVLP applicators, the permittee shall keep test caps available for pressure testing. <sup>2</sup> (R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGGELCOAT	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGGELCOAT	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGGELCOAT	3. The permittee shall keep the following information on a monthly basis for FGGELCOAT:				
	a. The identity and amount (in pounds) of each material used.	Yes	C		
	b. The styrene content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT Styrene Content</a>	
	c. The MMA content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT MMA Content</a>	
	d. The VOC (including styrene) content of each material used.	Yes	C	<a href="#">FGGELCOAT VOC Content</a>	
	e)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, non-MMA VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGGELCOAT Emission Factor</a>	
	f. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGGELCOAT Styrene tpy</a>	
The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1702(a))	Yes	C			
FGGELCOAT	<b>VII. REPORTING</b>	Yes	C		
FGGELCOAT	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
FGGELCOAT	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGGELCOAT	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGGELCOAT	4. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler(s) and/ or process heater(s) and its energy use systems was completed. within 60 days following completion of the tests. (40 CFR 63.7530(d))	Yes	C		
FGGELCOAT	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGGELCOAT	1. SVGELCOAT1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	2. SVCGELCOAT2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	3. SVCGELCOAT3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>3</sup>	Yes	C		
FGGELCOAT	4. SVCGELCOAT4 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>4</sup>	Yes	C		
FGGELCOAT	5. SVEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet. <sup>5</sup>	Yes	C		
FGGELCOAT	<b>IX. OTHER REQUIREMENT(S)</b>	Yes	C		
FGGELCOAT	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		
FGGELCOAT	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGRTM/PRESS</b>					
FGRTM/PRESS	<b>DESCRIPTION:</b> RTM, electric pre-form oven and compression molding operation to manufacture boat(s) and boat parts in a closed mold process. Operations include the use of resin and catalyst materials.				
FGRTM/PRESS	<b>Emission Units:</b> EURTM, EUPRESS, EUOVEN				
FGRTM/PRESS	<b>POLLUTION CONTROL EQUIPMENT</b> NA				
FGRTM/PRESS	<b>I. EMISSION LIMIT(S)</b> 1. VOC (including styrene) - 3.0 tpy; 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGRTM/PRESS VOC lb/year</a>	Change in compliance tab??
FGRTM/PRESS	<b>II. MATERIAL LIMIT(S)</b> 1. The styrene content of all resins used in EURTM shall not exceed 44.5 percent by weight. (R 336.1702(a))	Yes	C	<a href="#">FGRTM/PRESS Styrene Content</a>	
FGRTM/PRESS	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGRTM/PRESS and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGRTM/PRESS	2. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGRTM/PRESS	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGRTM/PRESS	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) NA	Yes	C		
FGRTM/PRESS	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGRTM/PRESS	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
FGRTM/PRESS	The permittee shall keep the following information on a monthly basis for FGRTM/PRESS: a) The identity and amount (in pounds) of each material used.	Yes	C		
	b) The styrene content (in percent by weight) of each resin used.	Yes	C		
	c) The VOC content (including styrene) of each material used.	Yes	C		
	d) The appropriate emission factors for each raw material used: i. The emission factor of 1% by weight of styrene emitted (from EPA-AP-42 Section 4.4 for Polyester Resin Plastics Production Fabrication) shall be used for closed molding processes, ii. Mass balance used for non-styrene VOC emissions, or iii. Alternate emission factors may be used with the approval of the AQD District Supervisor	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	<p>e) VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.</p> <p>The permittee shall keep the records using AP-42 emission factors, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. (R 336.1702(a))</p>	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGRTM/PRESS	<b>VII. REPORTING</b> NA				
FGRTM/PRESS	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGRTM/PRESS	1. SVRTM - Max Exhaust Diameter/Dimensions 24 inches; 2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGRTM/PRESS	<b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGRTM/PRESS	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production.2 (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGMACTVVV</b>					
FGMACTVVV	<b>DESCRIPTION:</b> Each new or reconstructed affected source at boat manufacturing facilities as identified in 40 CFR, Part 63, Subpart VVVV, 40 CFR 63.5683 and 40 CFR 63.5689. The affected source includes open molding resin and gelcoat operations including production resin, tooling resin, pigmented gelcoat, clear gelcoat, and tooling gelcoat, closed molding resin operations, resin and gelcoat mixing operations, resin and gelcoat application equipment cleaning operations, and carpet and fabric adhesive operations.				
FGMACTVVV	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EURLT, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUFOAM, EUCLEANUP				
FGMACTVVV	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTVVV	<b>I. EMISSION LIMIT(S)</b> 1. Total Organic HAP - The organic HAP limit determined in accordance with 40 CFR 63.5698 (including equation 1); <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2.	Yes	C	<a href="#">MACT VVVV limit</a>	
FGMACTVVV	<b>II. MATERIAL LIMIT(S)</b> 1. Organic HAP Content of production resin using atomized application - 28% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	2. Organic HAP Content of production resin using non-atomized application - 35% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Production Resin Non-Atomized</a>	
FGMACTVVV	3. Organic HAP Content of pigmented gelcoat - 33% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	See Average		<a href="#">MACT VVVV Pigmented Gelcoat</a>	
FGMACTVVV	4. Organic HAP Content of clear gelcoat - 48% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Clear Gelcoat</a>	
FGMACTVVV	5. Organic HAP Content of tooling resin using atomized application - 30% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	6. Organic HAP Content of tooling resin using non-atomized application - 39% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Resin Non-atomized</a>	None used in 2019
FGMACTVVV	7. Organic HAP Content of tooling gelcoat - 40% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Gelcoat</a>	None used in 2019
FGMACTVVV	* The material limits in this table are applicable when using the compliant materials option (40 CFR 63.5701(b)) to demonstrate compliance.				
FGMACTVVV	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> NA				
FGMACTVVV	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGMACTVVVV	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
FGMACTVVVV	<b>Emissions Averaging</b>				
FGMACTVVVV	1. When using Emissions Averaging to comply with the HAP material limits, the permittee must prepare an implementation plan as specified in 40 CFR 63.5707. <sup>2</sup> (40 CFR 63.5707)			NA	
FGMACTVVVV	2. When using Emissions Averaging to demonstrate compliance with the HAP material limits, the permittee must calculate the emissions on a 12 month rolling average using Equation 1 from 40 CFR 63.5710 of Subpart VVVV at the end of the 12th month after the applicable compliance date and at the end of every subsequent month. <sup>2</sup> (40 CFR 63.5710)	Yes	C		
FGMACTVVVV	3. Use equation 2 from 40 CFR 63.5710 of Subpart VVVV at the end of each month to determine the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average required above. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	4. Use the equations from Table 3 of Subpart VVVV to determine PV <sub>i</sub> in equation 2 from 40 CFR 63.5710 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	5. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(a)(3)(i))			NA	
FGMACTVVVV	6. Maintain records of the amount of each resin and gelcoat used per month. <sup>2</sup> (40 CFR 63.5704(a)(3)(ii))			NA	
FGMACTVVVV	7. Maintain records of the application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(a)(3)(iii))			NA	
FGMACTVVVV	<b>Compliant Materials</b>				
FGMACTVVVV	8. When using Compliant Materials to comply with the HAP limit in SC I.1 above, the permittee may use equation 1 from 40 CFR 63.5713 of Subpart VVVV to calculate the weighted average organic HAP content at the end of every month for all resins and gel coats used in each operation in the past 12 months. If all resins and gel coats used have organic HAP contents no greater than the applicable organic HAP content limits, this calculation is not necessary to demonstrate compliance. <sup>2</sup> (40 CFR 63.5713)	See Average		NA	
FGMACTVVVV	9. If filled resins are used, equation 1 from 40 CFR 63.5714 of Subpart VVVV must be used to demonstrate compliance for the filled material on an as-applied basis. <sup>2</sup> (40 CFR 63.5714)			NA	
FGMACTVVVV	10. Use the methods specified in 40 CFR 63.5758 to determine the organic HAP contents of resins and gel coats. <sup>2</sup> (40 CFR 63.5704(b)(1))	Yes	C	<a href="#">MACT VVVV Compliant Materials</a>	
FGMACTVVVV	11. Complete the calculations described in 40 CFR 63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5704(b)(2))	Yes	C	<a href="#">MACT VVVV Averaging</a>	
FGMACTVVVV	12. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(b)(3)(i))	Yes	C	<a href="#">Material HAP</a>	
FGMACTVVVV	13. Maintain records of the application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(b)(3)(ii))			NA - non-atomized	
FGMACTVVVV	14. Maintain records of the amount of resin and gelcoat used per month. This record is not required for an operation if all resins and gelcoats used for that operation comply with the organic HAP content requirements. <sup>2</sup> (40 CFR 63.5704(b)(3)(iii))	Yes	C	<a href="#">MACT VVVV Resin and Gelcoat Quantities</a>	
FGMACTVVVV	15. Maintain records of the calculations performed, if required to demonstrate compliance based on weighted-average organic HAP content as described in 40 CFR 63.5713. <sup>2</sup> (40 CFR 63.5704(b)(3)(iv))	Yes	C	<a href="#">MACT VVVV Calculations</a>	
FGMACTVVVV	<b>General Requirements</b>				
FGMACTVVVV	16. Maintain the records required by 40 CFR 63.5767 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5767)				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>VII. REPORTING</b>	Yes	C		
FGMACTVVVV	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
FGMACTVVVV	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGMACTVVVV	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGMACTVVVV	4. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5764. The report shall include the following: <sup>2</sup> (40 CFR 63.5764)				
	a. The date of the report and the beginning and ending dates of the reporting period.	Yes	C		
	b. A description of any changes in the manufacturing process since the last compliance report.	Yes	C		
	c. A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which complying. The statement or table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.	Yes	C		
	d. If in compliance with the emission limits and work practice standards during the reporting period include a statement to that effect.	Yes	C		
	e. If the permittee deviated from an emission limit or work practice standard during the reporting period, the permittee must also include:			NA	
	i. A description of the operation involved in the deviation.			NA	
	ii. The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.			NA	
	iii. A description of any corrective action taken to minimize the deviation and actions taken to prevent it from happening again.			NA	
	iv. A statement of whether or not the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.			NA	
FGMACTVVVV	<b>VIII. STACK/VENT RESTRICTION(S)</b>				
FGMACTVVVV	NA <b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart VVVV for Boat Manufacturing by the initial compliance date. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGMACTWWWWW</b>					
FGMACTWWWWW	<b>DESCRIPTION:</b> Each new or reconstructed affected source at reinforced plastic composites production facilities as identified in 40 CFR, Part 63, Subpart WWWW, 40 CFR 63.5785 and 40 CFR 63.5790. Reinforced plastic composites production is defined in 40 CFR 63.5785. Reinforced plastic composites production also includes associated activities, such as cleaning, mixing, HAP-containing materials storage, and repair operations associated with the production of plastic composites.				
FGMACTWWWWW	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUBLADE, EURT, EUPRESS, EUOVEN, EUCLEANUP				
FGMACTWWWWW	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTWWWWW	<b>I. EMISSION LIMIT(S)</b> 1. Organic HAP from Open Molding –Corrosion Resistant and/or High Strength (CR/HS) Resin, Mechanical Application - 113 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	2. Organic HAP from Open Molding – Non CR/HS Resin, Mechanical Application - 88 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	3. Organic HAP from Open Molding – Tooling Resin, Mechanical Application - 254 lb/ton; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	4. Organic HAP from Open Molding - Low-flame spread/low-smoke products - 497 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	5. Organic HAP from Open Molding – Shrinkage controlled resins - 354 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	6. Organic HAP from Open Molding – Tooling gel coat - 440 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	7. Organic HAP from Open Molding – White/off white pigmented gel coat - 267 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	8. Organic HAP from Open Molding – Pigmented gel coat - 377 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	9. Organic HAP from Open Molding – CR/HS or high performance gel coat - 605 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	10. Organic HAP from Open Molding – Fire retardant gel coat - 854 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	11. Organic HAP from Open Molding –Clear production gel coat - 522 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	12. The permittee shall use one or a combination of the following methods to meet the standards for open molding operations in Table 3 of Subpart WWWW of Part 63. <sup>2</sup> <b>(40 CFR 63.5810)</b>			See Weighted Average	
FGMACTWWWWW	a. Demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit in Table 3 of Subpart WWWW of Part 63. <b>(40 CFR 63.5810(a))</b>			See Weighted Average	
FGMACTWWWWW	b. Demonstrate that, on average, the facility meets the individual organic HAP emissions limits for each unique combination of operation type and resin application method or gel coat type shown in Table 3 to this subpart that applies to the facility. <b>(40 CFR 63.5810(b))</b>			See Weighted Average	
FGMACTWWWWW	c. Demonstrate compliance with a weighted average emission limit. Demonstrate each month that the permittee meets each weighted average of the organic HAP emissions limits in Table 3 to this subpart that apply the weighted average organic HAP emissions limit for all open molding operations. <b>(40 CFR 63.5810(c))</b>	Yes	C	<a href="#">MACT WWWW Facility Weighted Average</a>	
FGMACTWWWWW	d. Meet the organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion-resistant, corrosion-resistant and/or high strength, and tooling. <b>(40 CFR 63.5810(d))</b>			See Weighted Average	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	13. The permittee may switch between the compliance options in SC I.12.a through 12.d. When changing to an option based on a 12-month rolling average, the facility must base the average on the previous 12 months of data calculated using the compliance option the facility is changing to, unless the facility previously used an option that did not require the facility to maintain records of resin or gel coat. In this case, the facility must immediately begin collecting resin and gel coat and demonstrate compliance 12 months after changing options. <sup>2</sup> (40 CFR 63.5810)				
FGMACTWWWWW	II. <b>MATERIAL LIMIT(S)</b> NA				
FGMACTWWWWW	III. <b>PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C	Acetone is only clean-up solvent	
FGMACTWWWWW	2. For each HAP-containing materials storage operation, the permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C		
FGMACTWWWWW	3. For each mixing operation, the permittee shall use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	4. For each mixing operation, the permittee shall close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. Vents routed to a 95 percent efficient control device are exempt from this requirement. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	5. For each mixing operation, the permittee shall keep the mixer covers closed while actual mixing is occurring, except when adding materials or changing covers to the mixing vessels. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	IV. <b>DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGMACTWWWWW	V. <b>TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall determine the HAP content of any resin(s) as received and as applied, using manufacturer's formulation data and safety data sheets, using the procedures outlined in 40 CFR 63.5797 (a) through (c) as applicable. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311. <sup>2</sup> (40 CFR 63.5797)	Yes	C	Material HAP	
FGMACTWWWWW	VI. <b>MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall conduct an initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR 63.5840 and 40 CFR 63.5860. <sup>2</sup> (40 CFR 63.5840, 40 CFR 63.5860)	Yes	C		
FGMACTWWWWW	2. The permittee shall demonstrate continuous compliance with the applicable standards according to the procedures outlined in 40 CFR 63.5895 and 40 CFR 63.5900. <sup>2</sup> (40 CFR 63.5895, 40 CFR 63.5900)	Yes	C		
FGMACTWWWWW	3. The permittee shall keep all records required by 40 CFR 63.5915 in the format and timeframes outlined in 40 CFR 63.5920. The records must be kept onsite for a period of at least two years. The records must be kept for a total of at least five years. <sup>2</sup> (40 CFR 63.5915, 40 CFR 63.5920)	Yes	C		
FGMACTWWWWW	4. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date: <sup>2</sup>				
FGMACTWWWWW	a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63 Subpart WWWW, and the documentation supporting each notification as specified in 40 CFR 63.5915(a)(1). (40 CFR 63.5915(a))	Yes	C		
FGMACTWWWWW	b. Records of all data, assumptions, and calculations used to determine organic HAP emission factors or average organic HAP contents for operations listed in Table 3 to 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(c))	Yes	C		
FGMACTWWWWW	c. A certified statement demonstrating compliance with all applicable work practice standards identified in Table 4 of 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(d))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	5. The permittee shall keep records documenting that the resin(s) used in FGMACTWWWWW meet(s) the requirements for corrosion-resistant resin, non-corrosion-resistant resin, or tooling resin as outlined in 40 CFR 63.5935. <sup>2</sup> <b>(40 CFR 63.5935)</b>	Yes	C		
FGMACTWWWWW	<b>VII. REPORTING</b>	Yes	C		
FGMACTWWWWW	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
FGMACTWWWWW	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
FGMACTWWWWW	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
FGMACTWWWWW	4. The permittee shall submit the applicable notifications specified in, and according to the timeframes in 40 CFR 63.5905. <sup>2</sup> <b>(40 CFR 63.5905)</b>	Yes	C		
FGMACTWWWWW	5. The permittee shall submit all applicable reports identified in, and according to the timeframes in 40 CFR 63.5910. <sup>2</sup> <b>(40 CFR 63.5910)</b>	Yes	C		
FGMACTWWWWW	6. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5910(c). The report shall include the following:				
FGMACTWWWWW	a. Company name and address. <b>(40 CFR 63.5910(c)(1))</b>	Yes	C		
FGMACTWWWWW	b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. <b>(40 CFR 63.5910(c)(2))</b>	Yes	C		
FGMACTWWWWW	c. Date of the report and beginning and ending dates of the reporting period. <b>(40 CFR 63.5910(c)(3))</b>	Yes	C		
FGMACTWWWWW	d. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply to you, and there are no deviations from the requirements for work practice standards in Table 4 to this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period. <b>(40 CFR 63.5910(c)(5))</b>	Yes	C		
FGMACTWWWWW	<b>VIII. STACK/VENT RESTRICTION(S)</b> NA				
FGMACTWWWWW	<b>IX. OTHER REQUIREMENT(S)</b> 1. If the permittee produces reinforced plastic composites that are not used in fiberglass boat manufacture at the facility, the permittee may elect to have the operations covered by 40 CFR Part 63, Subpart VVVV, in lieu of 40 CFR Part 63, Subpart WWWW, if it can be demonstrated that this will not result in any organic HAP emissions increase compared to complying with 40 CFR Part 63, Subpart WWWW. <sup>2</sup> <b>(40 CFR 63.5787(c) and (d))</b>			NA	
FGMACTWWWWW	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production by the initial compliance date. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C		

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

Coatings and Other Materials VOC and HAP Information

Owosso Composite, LLC, Owosso, MI

Limit = 5.0 lb/gal  
less water as applied

1	2	3	4			8	9	10	11	12	13	
Code #	Coating Material Name	Supplier	Type	Gelcoat/Resin Type	Notes	Specific Gravity	Density (lb/gal)	VOC Content wt%	VOC Content (w/water) (lb/gal)	VOC Content less exempt (lb/gal - exempt)	HAP Content wt%	HAP/Solids Content (lb HAP/lb Solid)
50911	905 TR Mold Prep Cleaner	TR Industries	Purge & Cleanup			0.83	6.92	100%	6.92		52%	#DIV/0!
553587	955 EZ Wipe II Semi Perm Release - Mold Release	TR Industries	Mold Release			0.73	6.05	99%	6.01		0%	0
40001	Acetone	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
40001Rec	Acetone Recycled	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
6637-R	Adhesive, Primer Pliogrip		Paint				7.20	67%	4.79		0%	0
640894	A-Gray Low VOC Gel Coat 8-1536-LNHN	Interplastic	Gelcoat	Pigmented Gelcoat		1.26	10.51	40%	4.20		40%	0.666666667
601920	AME 5001 C	Ashland	Resin	CR/HS Resin			9.00	35%	3.11		35%	0.528818224
615965	AOC H884-IVA-20	AOC, LLC	Resin	Non CR/HS Resin		1.10	9.17	32%	2.94		32%	0.470588235
106387	Armorcote Green 961GJ117	Polynt Composites	Gelcoat	Pigmented Gelcoat			10.43	35%	3.66		34%	0.525658807
661760	Armorflex HAP33 Sea Fox Green 99FWP646	Polynt Composites	Gelcoat	Pigmented Gelcoat			11.27	35%	3.97		34%	0.527777778
658562	ArmorFlex Mystic Green 953GP377	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.94	39%	3.86		39%	0.636125654
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.72	34%	3.31		33%	0.500227307
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	Polynt Composites	Resin	CR/HS Resin		1.10	9.14	36%	3.31		35%	0.543287327
671003	Aropol L 67341 T-20 LSE	Ashland	Resin	CR/HS Resin			9.00	33%	2.93		33%	0.483215195



## Coating and other Materials TRI Compound Information

Owosso Composite, LLC, Owosso, MI

1	2	
Code #	Coating Name	Emission Unit
50911	905 TR Mold Prep Cleaner	MOLDRELEASE
553587	955 EZ Wipe II Semi Perm Release - Mold Release	MOLDRELEASE
40001	Acetone	EUCLEANUP
40001Rec	Acetone	EUCLEANUP
6637-R	Adhesive, Primer Pliogrip	EUCOATINGLINE
640894	A-Gray Low VOC Gel Coat B-1536-LNHN	FGGELCOAT
601920	AME 5001 C	FGOPENMOLDING
615965	AOC H884-IVA-20	FGOPENMOLDING
106387	Armorcote Green 961GJ117	FGGELCOAT
661760	Armorflex HAP33 Sea Fox Green 99FWP646	FGGELCOAT
658562	ArmorFlex Mystic Green 953GP377	FGGELCOAT
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	FGGELCOAT
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	FGOPENMOLDING
671003	Aropol L 67341 T-20 LSE	FGOPENMOLDING
651875	Bulk Resin 136-7977	FG-RTMPRESS
53-X145A	Catalyst, Component B for KPA01	EUCOATINGLINE
CTC0073	Catalyst, Hardener	EUCOATINGLINE
V66V27	Catalyst, Polane B	EUCOATINGLINE
0504_001	COR61-AA-545s DCPD Laminating Resin	FGOPENMOLDING
574675	Denatured Alcohol - PC-1010	EUCLEANUP
596288	Derakane 510 B-400	FGOPENMOLDING
B	Dion FR 7704-00 poly-resin- tubs	FGOPENMOLDING
697384	Dk Gray Avalon	FGGELCOAT
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	EUFOAM
653734	Enguard NG-37025 Buckskin	FGGELCOAT
653733	Enguard WG-34653 Hurricane White	FGGELCOAT
683929	HAP33 Browncrest Armorcote 991NP599	FGGELCOAT
683927	HAP33 Charcoal Armorcote 991AP633	FGGELCOAT
655100	HAP33 IMPULSE TORRED RED 996RP240	FGGELCOAT
653519	HAP33 Off White ArmorFlex 99FWP506	FGGELCOAT
605547	HAP33 Sea Foam Green ArmorPro 99MWP356	FGGELCOAT
681060	HAP37 Beige-BC Polycor 964NP589	FGGELCOAT



681409	HAP37 DK GRAY 2020	FGGELCOAT
681120	HAP37 French Gray-BC Polycor 964NP590	FGGELCOAT
681121	HAP37 Oxford Gray-BC	FGGELCOAT
38101	Hetron 197 P Resin	FGOPENMOLDING
38307	Hetron FR 992	FGOPENMOLDING
671485	HURRICANE WHITE ArmorFlex 953WP762	FGGELCOAT
601835	Imedge HPB Blue Barrier Coat 210LK292	FGGELCOAT
557967	Int w419-Luu-CSA White -Tub	FGGELCOAT
617369	LHB-3815 Black VE Barrier Coat	FGGELCOAT
23172	Luperox DDM-9 CLEAR 1536#/PLT	FGGELCOAT, FG-RTMPRESS
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	FGGELCOAT
639298	Maxguard GG-LEI-R6001A Gelcoat	FGGELCOAT
634516	Maxguard IG-LEI-J148A Gelcoat	FGGELCOAT
640315	Maxguard NG-LRV-7035 Milkweed Gelcoat	FGGELCOAT
636644	Maxguard RG-LEI-R4003A Gelcoat - Light Purple	FGGELCOAT
50912	MR 910/910FD TR 910 FD Mold Release	MOLDRELEASE
562196	Norox Azox Fred - Acetyl Acetone Peroxide	FG-RTMPRESS
539089	Norox MCP-75 FRED	FGOPENMOLDING, FG-RTMPRESS
205702	Norox MEKP-9H	FGGELCOAT, FG-RTMPRESS
538881	Optiplus 040-8089 Unsaturated Polyester in Monomer	FGOPENMOLDING
537983	Optiplus 040-8094 Unsaturated Polyester in Monomer	FGOPENMOLDING
F63BXL17999-4318	Paint, Blue Bruinswick	EUCOATINGLINE
F63BXA4327-43	Paint, Dark Gray Bruinswick	EUCOATINGLINE
4402	Paint, Gloss Black Spray	EUCOATINGLINE
KPA0333	Paint, Med Gloss Black Urethane	EUCOATINGLINE
4087573	Paint, Red Spray	EUCOATINGLINE
F63BXA4326	Paint, Silver Bruinswick	EUCOATINGLINE
KPY0217	Paint, Yellow	EUCOATINGLINE
A	pcu 33234-24 low styrene resin	FGOPENMOLDING
640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	FGGELCOAT
623680	Polycor 944WP506 Off White	FGGELCOAT
538937	Polycor Base White 944WJ480	FGGELCOAT
37166	Polycor Black 944B025	FGGELCOAT
37026	Polycor Black Tooling 945B201	FGGELCOAT
591163	Polycor HAP37 Almond 964NK208	FGGELCOAT
671486	Polycor HAP37 Buckskin 964NP553	FGGELCOAT
671487	Polycor HAP37 CONCH SHELL 964NP555	FGGELCOAT
665311	Polycor HAP37 Crest Gray 964AP276	FGGELCOAT
653889	Polycor HAP37 Dark Brown 964NP500	FGGELCOAT
622891	Polycor HAP37 Duck Yellow 964YP359	FGGELCOAT
607674	Polycor HAP37 Khaki 964NP298	FGGELCOAT
645286	Polycor Hap37 Light Gray 964AP416	FGGELCOAT
645283	Polycor HAP37 Tan 964NP451	FGGELCOAT
37027	Polycor L/F Orange Tooling 945YA058	FGGELCOAT
588748	Quickmix Neutral 99Q-HI Chroma MACT 99QXK166	FGGELCOAT
29009	R061-46 - Polyester Bonding Putty	FGOPENMOLDING
0505_001	RFX-8636 Tan Reflex	FGGELCOAT



601211	RHD-3507 Jet Black Revolution HD	FGGELCOAT
630852	SCIGrip SG300-05-OW - Off White Adhesive	EUADHESIVEDISPING
655932	SCIGRIP SG305A Adhesive	EUADHESIVEDISPING
628769	SCIGRIP SG605B-B Activator	EUADHESIVEDISPING
659637	Silverado Low VOC Gel Coat B-1679-LNHN	FGGELCOAT
505853	Stypol 040-8086 Unsaturated Polyester Resin	FG-RTMPRESS
691773	Vanilla Seats	FGGELCOAT
E13	Foam A QCS-3000	EUFOAM
E13.1	Foam B QCS-2400	EUFOAM
647570	AOC H884-IVA-20	FGOPENMOLDING
595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY	FGOPENMOLDING
690917	Reactive Tackifier NuTak BLU 046-4062	EUADHESIVEDISPING
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	EUADHESIVEDISPING
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	EUADHESIVEDISPING
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM	EUACOATINGLINE
50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104 LTD QTY	MOLDRELEASE
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY	EUACOATINGLINE
536301	AXE GL S19C SEALER 4 GL/CTN	EUOPENMOLDING
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	MOLDRELEASE
641685	CHL GL 2697 SEALER 4GL/CTN	EUADHESIVEDISPING
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	MOLDRELEASE
540104	CHL GL FZ5RSG014 FLEX-Z #5 HI SLIP MOLD RELEASE 4/CS	MOLDRELEASE
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#490269	EUOPENMOLDING
216566	3MC 05928 QT MACHINE POLISH 7100061951 FINESSE-IT II 6/CS	MOLDRELEASE
533074	UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MATERIAL	EUACOATINGLINE
211989	PCU PT 095-0141 DEFOAMER	EUFOAM
654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL	EUCLEANUP
38284G	Patch aid clear 970xa014	EUOPENMOLDING
548759	Chemlease 15 Sealer EZ	EUOPENMOLDING
634513	INE FV MAX YG-LEI-X027A Yellow Instint Gelcoat	FGGELCOAT
694481	Alpine white low voc gel coat	FGGELCOAT
394430	Flint low VOC gel coat b-1774	FGGELCOAT
694478	Latte khaki low voc gel coat	FGGELCOAT
105435	CHL GL MPP 117 PRIMER	EUACOATINGLINE
51609	Clear Hi-Gloss Additive	EUACOATINGLINE
528737	941-CJ-018 clear Patching Thinner	EUCLEANUP
534109	Clear Patching Thinner 963-CA-220	EUCLEANUP
50523	TR Mold Release TR-214	MOLDRELEASE
50522	TR-210 Mold Release	MOLDRELEASE
697441	Mission White Gel Coat	FGGELCOAT
512587	502 TR Wax Build Up Remoer	EUCLEANUP
635220	Ash FB Ag-lei-M155a instint gel Dark Brown	FGGELCOAT
31353	RESIN dion 9300 fr	EUACOATINGLINE
583175	Resin Corve 8401	EUACOATINGLINE
647477	752-4420 Resin FR Infusion Resin	FG-RTMPRESS
689737	INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN	EUACOATINGLINE
628635	IPS SG300-05-B BLACK 30248/30248RIT	EUOPENMOLDING

205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROXIDE BLE	FGOPENMOLDING, FG-RTMPRESS
693428	Tan Y038 low voc gel coat	FGGELCOAT
679751	A-Gray LOW VOC GEL COAT B-1536B	FGGELCOAT
630241	84-810660 Lt gray MACT sand	FGGELCOAT
592459	Grey EZ sanding primer 707-061	EUACOATINGLINE
638072	ASC DX 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	FGGELCOAT
684864	INE FV MAX WG-LEI-1717A MISSION WHITE INSTINT GC NA06	FGGELCOAT
691064	964-NP-615 Tan Maint Hap37 gel coat	FGGELCOAT
691065	964AP678 Hap37 Gray gel coat	FGGELCOAT
694221	PCU DX 964-NP-626 BEIGE-MANIT HAP37 GEL COAT	FGGELCOAT
631808	INE FV MAX GG-LEI-R6027A LIGHT GREEN INSTINT GEL COAT NA0	FGGELCOAT
83022	APF7 White 1011047	EUOPENMOLDING
641523	AOC FV CT-11088 WHITE PIGMENT	EUACOATINGLINE
526125	Elastopor P 15390R resin	EUFOAM
38060G	970C949 8% Wax solution	MOLDRELEASE
#VALUE!	#VALUE!	



		Enter w/o dashes	TRI CAS	Highlighted ce	
		100425	80626	100414	
		100-42-5	80-62-6	100-41-4	
	5	6	7	8	9
	Type	Name Percent Emitted SARA 313 SARA 302 Total VOC	Styrene* 1 * *SEE FORMULA Yes 0 (wt%)	Methyl methacrylate* 1 * *SEE FORMULA Yes 0 (wt%)	Ethylbenzene 100% Yes 0 (wt%)
	Purge & Cleanup	100%			
	Mold Release	100%			
	Purge & Cleanup	0%			
	Purge & Cleanup	0%			
	Paint	0%			
	Gelcoat	40%	30%	10%	
	Resin	35%	35%		
	Resin	32%	32%		
	Gelcoat	35%	24%	10%	
	Gelcoat	35%	28%	5%	1%
	Gelcoat	39%	28%	10%	1%
	Gelcoat	34%	32%		1%
	Resin	35%	35%		
	Resin	33%	33%		
	Resin	43%	43%		
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Resin	33%	31%	2%	
	Other-Non Coating	100%			
	Resin	39%	39%		
	Resin	32%	32%		
	Gelcoat	36%	31%	5%	
	Catalyst	6%			
	Gelcoat	40%	35%	5%	
	Gelcoat	34%	29%	5%	
	Gelcoat	33%	26%	6%	0%
	Gelcoat	37%	26%	10%	
	Gelcoat	36%	30%	5%	
	Gelcoat	34%	28%	4%	0%
	Gelcoat	38%	31%	5%	1%
	Gelcoat	36%	31%	5%	0%



	Gelcoat	36%	31%	5%	
	Gelcoat	37%	32%	5%	
	Gelcoat	37%	32%	5%	
	Resin	42%	42%		
	Resin	40%	40%		
	Gelcoat	35%	29%	5%	
	Gelcoat	33%	33%		
	Gelcoat	29%	29%		
	Gelcoat	29%	29%		
No 313 Chemicals	Catalyst	2%			
	Gelcoat	41%	31%	10%	
	Gelcoat	31%	29%	3%	
	Gelcoat	31%	29%	3%	
	Gelcoat	32%	29%	3%	
	Gelcoat	31%	28%	3%	
No 313 Chemicals	Mold Release	100%			
	Catalyst	5%			
	Catalyst	10%			
	Catalyst	5%			
	Resin	51%	40%		1%
	Resin	47%	40%	5%	1%
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Resin	33%	33%		
	Gelcoat	45%	40%	5%	
	Gelcoat	35%	30%	5%	0%
	Gelcoat	36%	30%	5%	1%
	Gelcoat	40%	34%	5%	1%
	Gelcoat	47%	43%	4%	
	Gelcoat	36%	30%	5%	1%
	Gelcoat	36%	32%	5%	0%
	Gelcoat	36%	31%	5%	0%
	Gelcoat	37%	31%	5%	1%
	Gelcoat	38%	32%	5%	1%
	Gelcoat	36%	31%	4%	0%
	Gelcoat	37%	31%	5%	1%
	Gelcoat	35%	30%	4%	0.02%
	Gelcoat	36%	31%	5%	0%
	Gelcoat	49%	42%	5%	1%
	Gelcoat	42%	35%	5%	1%
	Other-Non Coating	15%	15%		
	Gelcoat	33%	30%	3%	



	Gelcoat	32%	28%	4%	
	Adhesive	0%	0%	0%	
	Adhesive	0%	0%	0%	
	Catalyst	0%			
	Gelcoat	34%	29%	5%	
	Resin	40%	40%		
	Gelcoat	35%	30%	5%	
		2%			
		7%			
	Resin	32%	32%		
	Adhesive	35%	35%		
		50%			
	Catalyst	0%			
	Catalyst	0%			
	Paint	93%			
	Mold Release	85%			
	Paint	100%			
	Sealer	100%			
	Mold Release	1%			
	Sealer	100%			
	Mold Release	98%			
	Mold Release	100%			
		100%			
		14%			
	Paint	100%			
		0%			
	Cleanup	100%			
		50%	50%		
		95%			
	Gelcoat	33%	30%	3%	
	Gelcoat	36%	31%	5%	
	Gelcoat	35%	30%	5%	
	Gelcoat	35%	30%	5%	
	Paint	100%			
		54%	36%		
		62%	50%	10%	1%
		58%	36%	20%	1%
	Mold Release	100%			
	Mold Release	83%			
		35%	30%	5%	
		63%			
	Gelcoat	33%	30%	3%	
	Resin	53%	53%		
	Resin	38%	38%		
	Resin	30%	30%		
	Resin	39%	34%	5%	
	Adhesive	79%	4%	65%	





					1%	
			0%			
				10%	5%	1%
						1%



	60%	100%				

			1%			
				20%		

heet)

98839	64175	67630	67561	108101	64742489	142961
98-83-9	64-17-5	67-63-0	67-56-1	108-10-1	64742-48-9	142-96-1
17	18	19	20	21	22	23
<i>Alpha Methyl Styrene</i>	<i>Ethanol</i>	<i>Isopropyl alcohol (mfg-strong acid process)</i>	<i>Methanol</i>	<i>Methyl isobutyl ketone</i>	<i>Naphtha (petroleum), hydrotreated heavy</i>	<i>Dibutyl Ether</i>
0	100%	100%	100%	100%	100%	100%
No	No	Yes	Yes	Yes	No	No
#N/A	#N/A	0	0	0	#N/A	#N/A
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
					30%	
	85%	9%	4%	1%		
3%						





	55%	5%				
		100%				
				50%	10%	
				50%		
				25%		
				10%		
	1%	100%				
					25%	
				50%		
		20%				
		5%				



111659	64741668	108883	37187227	123546	131113	80159
111-65-9	64741-66-8	108-88-3	37187-22-7	123-54-6	131-11-3	80-15-9
24	25	26	27	28	29	30
Octane	<i>naphtha (petroleum), light alkylate</i>	Toluene	2,4-Pentanedione, peroxide	2,4-Pentanedione	Dimethyl phthalate	Cumene hydroperoxide
100%	100%	100%	0	100%	0.10%	0
No	No	Yes	No	No	Yes	Yes
#N/A	#N/A	0	#N/A	#N/A	0	0
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
		52%				
	100%					



















						0%
		1%				
59%	2%			0%	7%	
			1%			
15%	5%		1%	0%		
25%	5%			0%		
		1%				
		1%				
		1%				







71238	9016459	Proprietary	115106	109875
71-23-8	9016-45-9	Proprietary	115-10-6	109-87-5
45	46	47	48	49
CAS not found on SARA list 100%	Polyethylene glycol nonylphenyl ether 100%	Polysiloxane Surfactant 100%	Dimethyl Ether 100%	Dimethoxymethane 100%
No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No 0 (wt%)	No #N/A (wt%)
0%				



123864	71363	123422	109604	115866
123-86-4	71-36-3	123-42-2	109-60-4	115-86-6
50	51	52	53	54
<i>Butyl Acetate</i>	<i>Butanol Normal</i>	<i>Diacetone Alcohol</i>	<i>Propyl Acetate</i>	<i>Triphenyl Phosphate</i>
<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
No	Yes	No	No	No
0	0	#N/A	#N/A	#N/A
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)





540841	111842	64742149	541026	56815
540-84-1	111-84-2	64742-14-9	541-02-6	56-81-5
55	56	57	58	59
<i>2,2,4-trimethylpentane</i>	<i>Nonane</i>	<i>Distillates (petroleum), acid treated, light</i>	<i>Decamethylcyclopentasiloxane</i>	<i>Glycerin</i>
100%	100%	100%	100%	100%
No 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)



540976	8042475	872504	68133697	5131668
540-97-6	8042-47-5	872-50-4	68133-69-7	5131-66-8
60	61	62	63	64
Dodecamethylcyclohexasiloxane	White Mineral Oil	N-methyl-2-pyrrolidone	2-[(2-cyanoethyl)[4-[[6-nitrobenzothiazol-2-yl]azo]phenyl]amino]ethyl acetate	3-butoxypropan-2-ol
100%	100%	100%	100%	100%
No #N/A (wt%)	No #N/A (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)



5%	1%			
		65%	5%	
				3%





77587	8052413	95636	108678	64742967
77-58-7	8052-41-3	95-63-6	108-67-8	64742-96-7
65	66	67	68	69
Dibutyltin dilaurate	Stoddard Solvent	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Solvent Naphtha heavy aliphatic
100%	100%	100%	100%	100%
No #N/A (wt%)	No #N/A (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)









Cobalt Compounds

0	N096	136527	27253312	21041930	15625895	7722841
	N096	136-52-7	27253-31-2	21041-93-0	15625-89-5	7722-84-1
80	81	82	83	84	85	86
100%	Cobalt Compounds	CAS not found on SARA list	CAS not found on SARA list	CAS not found on SARA list	Acrylic Polymer	Hydrogen peroxide (Conc.> 52%)
No #N/A	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No 1,000 (wt%)
	1%	1%				
	0%	0%	0%	0%		
	0%	0%				
	1%	1%				
	0%	0%				
	1%	1%				
	0%	0%	0%	0%		
	0%	0%				
	1%	1%				
	0%	0%				
	0%	0%				



	1%	1%				
	1%	1%				
	1%	1%				
	1%	1%				
	1%	1%				
	0%	0%	0%	0%		
	0%	0%	0%	0%		
	0%	0%	0%	0%		
						18%
						5%
						5%
	1%	1%				
	0%					
	0%					
	0%	0%				
	0%	0%				
	1%	1%				
	0%					
	0%	0%				
	0%	0%				



					23%	
	0%					
	1%	1%				
	0%	0%				
			1%			
			1%			







67641	94360	64742887	68441178	121697	112945525	14807966
67-64-1	94-36-0	64742-88-7	68441-17-8	121-69-7	112945-52-5	14807-96-6
87	88	89	90	91	92	93
Acetone	Benzoyl peroxide	Mineral Spirits	Polyethylene, oxidized	Dimethylaniline	Silica Colloidal Amorphous	Magnesium Silicate (Talc)
	0%	100%	100%	100%		
No	Yes	No	No	Yes	No	No
0	0	#N/A	#N/A	0	#N/A	#N/A
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
100%						
100%						
						13%
						1%
						20%
						20%
						20%









5%						
5%						
5%						
30%						1%
15%						
				6%		
3%						
3%						
2%						
20%						
20%						
20%						
					0%	
5%						
5%						
5%						
5%						
5%						
5%						
10%						
5%						
			55%			
6%						



5%						
20%						
15%						
10%						
3%						
3%						
20%						
15%						





10%						
5%			30%			
30%	5%		5%			
27%	5%					
5%						
5%						
5%						
15%						



5%	1%					





9004700	70851411	8004873	2437298	68187848	8015869	63148629
9004-70-0	70851-41-1	8004-87-3	2437-29-8	68187-84-8	8015-86-9	63148-62-9
108	109	110	111	112	113	114
<i>Cellulose Nitrate 0</i>	<i>Solvent Red 160</i>	<i>Basic Violet 1</i>	<i>Malachite Green Oxalate</i>	<i>Oxidized Castor Oil</i>	<i>Camauba Wax</i>	<i>Polyalkyl siloxane</i>
No #N/A (wt%)	No #N/A (wt%)	No (wt%)	No (wt%)	No (wt%)	No (wt%)	No (wt%)













85711462	61790532	Proprietary	21645512	0	0	0
85711-46-2	61790-53-2	Proprietary	21645-51-2			
122	123	124	125	126	127	128
<i>Fatty acids, c14-c18 and c16-16 unsatd maleated</i>	<i>Silica</i>	<i>Proprietary Resin</i>	<i>Iron Oxide</i>			
No	No	No	No			
(wt%)	(wt%)	(wt%)	(wt%)			







129	130	131	132	133	134	135



143	144	145	146	147	148	149







157	158	159	160	161	162	163





See Molded Plastics Industries (200409) recordkeeping to set up TRI usage on Coating\_Material TRI

Monthly Usage Data is not entered the same on Great Lakes compared to MPI. It would be IDEAL, if it were, and Again, see MPI Recordkeeping for exact setup and detailed explanation.

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#### Characterization of Chemicals - Assigning to specific FGs or Eus

Date: 3/2/2022 by J Black

Anything with "primer" goes to paint category

Per permit N2340- FGOPENMOLDING is the only EU description which includes foam, putty and adhesives, so ar Assume all unassigned resin is EUOPENMOLDING to be conservative (assumes fewer controls on open molding |

Add a new category for MOLDRELEASE, because VOCs should be much lower than those in OPENMOLDING, consi

All paint and primer goes to EUCOATINGLINE

and the monthly usages linked to EU/FG tabs. Work with Jenny Osika (purchaser for GLC, Excel) to organize this system.

tem.

**12-Month Rolling Emissions Summary**

Owosso Composite, LLC, Owosso, MI

Year 2021

9/6/2022

29

1

12.9

Month/Year	FGGELCOAT			EUADHESIVEDISPING			EUCOATINGLINE		
	VOC			VOC			VOC		
	ton/month	tons/12-mo rolling	In compliance (<29.0 tpy) <sup>1</sup>	tons/month	tons/12-mo rolling	In Compliance (<1 tpy) <sup>1</sup>	ton/month	tons/12-mo rolling	In compliance (<12.9 tpy)
Jan-19	0.68	10.20	Yes	-	0.00	Yes	-	-	--
Feb-19	0.88	10.23	Yes	0.00	0.00	Yes	-	-	--
Mar-19	0.70	10.11	Yes	0.00	0.00	Yes	-	-	--
Apr-19	0.66	9.93	Yes	0.00	0.00	Yes	-	-	--
May-19	0.56	9.61	Yes	0.00	0.00	Yes	-	-	--
Jun-19	0.48	9.19	Yes	0.00	0.00	Yes	-	-	--
Jul-19	0.47	8.83	Yes	0.00	0.01	Yes	-	-	--
Aug-19	0.63	8.36	Yes	0.00	0.01	Yes	-	-	--
Sep-19	0.36	7.77	Yes	0.00	0.01	Yes	-	-	--
Oct-19	0.71	7.59	Yes	0.00	0.01	Yes	-	-	--
Nov-19	0.44	7.36	Yes	0.00	0.01	Yes	-	-	--
Dec-19	0.48	7.05	Yes	0.00	0.01	Yes	-	-	--
Jan-20	0.87	7.24	Yes	0.00	0.01	Yes	-	-	--
Feb-20	1.53	7.89	Yes	0.00	0.01	Yes	-	-	--
Mar-20	0.58	7.78	Yes	0.00	0.01	Yes	-	-	--
Apr-20	0.04	7.16	Yes	-	0.01	Yes	-	-	--
May-20	0.28	6.89	Yes	0.00	0.01	Yes	-	-	--
Jun-20	0.50	6.91	Yes	0.00	0.00	Yes	-	-	--
Jul-20	0.55	6.99	Yes	0.00	0.00	Yes	-	-	--
Aug-20	0.59	6.95	Yes	0.00	0.00	Yes	-	-	--
Sep-20	0.57	7.16	Yes	0.00	0.00	Yes	-	-	--
Oct-20	0.45	6.90	Yes	0.00	0.00	Yes	-	-	--
Nov-20	0.42	6.87	Yes	-	0.00	Yes	-	-	--
Dec-20	0.68	7.08	Yes	-	0.00	Yes	-	-	--
Jan-21	0.72	6.92	Yes	2.50E-06	0.00	Yes	0.28	-	Yes
Feb-21	0.91	6.29	Yes	2.91E-06	0.00	Yes	0.75	1.03	Yes
Mar-21	1.09	6.81	Yes	1.66E-06	0.00	Yes	-	1.03	--
Apr-21	0.70	7.46	Yes	7.07E-06	0.00	Yes	0.27	1.29	Yes
May-21	1.23	8.41	Yes	-	0.00	Yes	-	1.29	--
Jun-21	1.89	9.80	Yes	4.99E-06	0.00	Yes	-	1.29	--
Jul-21	0.89	10.14	Yes	-	0.00	Yes	-	1.29	--
Aug-21	1.56	11.12	Yes	5.48E-06	0.00	Yes	-	1.29	--
Sep-21	1.51	12.06	Yes	1.33E-06	0.00	Yes	-	1.29	--
Oct-21	0.87	12.48	Yes	4.00E-06	0.00	Yes	-	1.29	--
Nov-21	2.38	14.44	Yes	2.22E-06	0.00	Yes	-	1.29	--
Dec-21	2.27	16.03	Yes	-	0.00	Yes	-	1.29	--

<sup>1</sup>VOC limits were updated December 9, 2020 with PTI No. 129-16D.

<sup>2</sup>Styrene limits for FGGELCOAT were removed with PTI No. 129-16D Issued December 9, 2020.

1/1/2022

Total VOCs	16.03
	0.00
	5.58
	0.09303
	0.02403
	0.1585
Jan-20	21.89



29

FGOPENMOLDING		
VOC		
ton/month	tons/12-mo rolling	In compliance (<29.0 tpy) <sup>1</sup>
0.39	4.58	Yes
0.43	4.55	Yes
0.42	4.60	Yes
0.42	4.66	Yes
0.33	4.55	Yes
0.36	4.39	Yes
0.37	4.40	Yes
0.32	4.34	Yes
0.35	4.35	Yes
0.23	4.23	Yes
0.20	4.14	Yes
0.29	4.11	Yes
0.34	4.06	Yes
0.45	4.08	Yes
0.34	4.00	Yes
0.03	3.61	Yes
0.28	3.55	Yes
0.33	3.52	Yes
0.06	3.21	Yes
0.06	2.94	Yes
0.06	2.65	Yes
0.02	2.44	Yes
0.01	2.26	Yes
0.04	2.01	Yes
0.43	2.10	Yes
0.50	2.14	Yes
0.80	2.60	Yes
0.32	2.89	Yes
0.53	3.14	Yes
0.50	3.31	Yes
0.38	3.63	Yes
0.64	4.21	Yes
0.43	4.58	Yes
0.34	4.90	Yes
0.34	5.23	Yes
0.39	5.58	Yes

1						13			3		
EUCLEANUP						FGRTM/PRESS					
VOC			Acetone			VOC					
ton/month	tons/12-mo rolling	In compliance (<1.0 tpy)	ton/month	tons/12-mo rolling	In compliance (<13.0 tpy)	ton/month	lb/12-mo rolling	In Compliance (<3.0 tpy)	ton/month	lb/12-mo rolling	In Compliance (<3.0 tpy)
-	-	--	0.52	6.66	Yes	-	-	-	-	-	-
-	-	--	0.00	5.67	Yes	-	-	-	-	-	-
-	-	--	0.16	4.86	Yes	-	-	-	-	-	-
-	-	--	0.75	4.81	Yes	-	-	-	-	-	-
-	-	--	0.15	4.05	Yes	-	-	-	-	-	-
-	-	--	0.65	4.43	Yes	-	-	-	-	-	-
-	-	--	0.59	4.89	Yes	-	-	-	-	-	-
-	-	--	0.18	4.41	Yes	-	-	-	-	-	-
-	-	--	0.43	4.21	Yes	-	-	-	-	-	-
-	-	--	0.37	4.00	Yes	-	-	-	-	-	-
-	-	--	0.18	3.99	Yes	-	-	-	-	-	-
-	-	--	0.43	4.42	Yes	-	-	-	-	-	-
-	-	--	0.29	4.19	Yes	-	-	-	-	-	-
-	-	--	0.58	4.76	Yes	-	-	-	-	-	-
-	-	--	0.61	5.21	Yes	-	-	-	-	-	-
-	-	--	(0.07)	4.38	Yes	-	-	-	-	-	-
-	-	--	0.47	4.70	Yes	-	-	-	-	-	-
-	-	--	0.95	5.00	Yes	-	-	-	-	-	-
-	-	--	0.97	5.37	Yes	-	-	-	-	-	-
-	-	--	0.96	6.15	Yes	-	-	-	-	-	-
-	-	--	2.16	7.87	Yes	-	-	-	-	-	-
-	-	--	1.20	8.71	Yes	-	-	-	-	-	-
-	-	--	0.44	8.96	Yes	-	-	-	-	-	-
-	-	--	0.18	8.71	Yes	-	-	-	-	-	-
-	-	--	0.59	9.02	Yes	0.04	0.04	Yes	-	-	-
-	-	--	0.59	9.03	Yes	0.01	0.05	Yes	-	-	-
-	-	--	1.43	9.85	Yes	0.01	0.06	Yes	-	-	-
-	-	--	0.91	10.83	Yes	0.04	0.10	Yes	-	-	-
-	-	--	0.12	10.48	Yes	0.02	0.12	Yes	-	-	-
-	-	--	3.08	12.61	Yes	0.08	0.20	Yes	-	-	-
0.60	0.60	Yes	(0.34)	11.30	Yes	0.00	0.20	Yes	-	-	-
0.02	0.62	Yes	1.88	12.23	Yes	0.01	0.21	Yes	-	-	-
0.01	0.62	Yes	0.98	11.05	Yes	0.05	0.26	Yes	-	-	-
0.06	0.69	Yes	1.39	11.24	Yes	0.01	0.27	Yes	-	-	-
0.07	0.76	Yes	0.53	11.34	Yes	0.00	0.27	Yes	-	-	-
-	0.76	--	0.97	12.13	Yes	0.00	0.27	Yes	-	-	-



1000			800			8000		
EUBLADES						EUFOAM		
VOC			Styrene			Material Usage		
lb/month	lbs/12-mo rolling	In Compliance (<1000 lb/yr)	lb/month	lbs/12-mo rolling	In Compliance (<800 lb/yr)	lb/month	lb/12-mo rolling	In compliance (<8,000 lb/12-month)
38.69	428.75	Yes	37.65	417.32	Yes	19.50	1626.50	Yes
27.63	438.55	Yes	26.87	426.86	Yes	111.00	1689.50	Yes
12.30	435.66	Yes	11.99	424.13	Yes	169.50	1711.00	Yes
38.09	416.00	Yes	37.04	404.63	Yes	96.75	1623.75	Yes
14.70	405.16	Yes	13.94	393.52	Yes	68.25	1572.00	Yes
9.57	402.41	Yes	9.29	390.85	Yes	112.25	1638.25	Yes
15.30	391.85	Yes	14.88	380.69	Yes	61.00	1553.25	Yes
6.38	331.95	Yes	6.20	322.54	Yes	87.50	1265.75	Yes
20.40	312.39	Yes	19.85	303.52	Yes	49.50	1125.25	Yes
19.95	282.38	Yes	19.40	274.33	Yes	35.75	1011.00	Yes
18.98	251.40	Yes	18.45	244.20	Yes	37.55	848.55	Yes
9.21	231.20	Yes	8.96	224.53	Yes	37.75	886.30	Yes
33.10	225.61	Yes	32.20	219.08	Yes	50.00	916.80	Yes
14.96	212.94	Yes	14.55	206.76	Yes	116.00	921.80	Yes
-	200.63	Yes	-	194.76	Yes	40.00	792.30	Yes
-	162.54	Yes	-	157.72	Yes	10.00	705.55	Yes
-	147.84	Yes	-	143.78	Yes	30.00	667.30	Yes
-	138.27	Yes	-	134.48	Yes	28.00	583.05	Yes
-	122.97	Yes	-	119.60	Yes	43.00	565.05	Yes
-	116.59	Yes	-	113.41	Yes	-	477.55	--
-	96.19	Yes	-	93.56	Yes	-	428.05	--
-	76.24	Yes	-	74.16	Yes	-	392.30	--
-	57.26	Yes	-	55.71	Yes	-	354.75	--
-	48.05	Yes	-	46.75	Yes	-	317.00	--
-	14.96	Yes	-	14.55	Yes	4010.00	4277.00	Yes
-	-	Yes	-	-	Yes	-	4161.00	--
-	-	Yes	-	-	Yes	2240.00	6361.00	Yes
-	-	Yes	-	-	Yes	1850.00	8201.00	No
-	-	Yes	-	-	Yes	4040.00	12211.00	No
-	-	Yes	-	-	Yes	-	12183.00	--
-	-	Yes	-	-	Yes	-	12140.00	--
-	-	Yes	-	-	Yes	-	12140.00	--
-	-	Yes	-	-	Yes	700.00	12840.00	No
-	-	Yes	-	-	Yes	-	12840.00	--
-	-	Yes	-	-	Yes	-	12840.00	--
-	-	Yes	-	-	Yes	-	12840.00	--



**MACT PPPP Compliance**

**Owosso Composite, LLC, Owosso, MI**

Year

2021

9/6/2022

Month/Year	General Use Coatings				
	Total HAPs		Solids		Monthly lb HAP/lb Solid
	General Use HAP Emissions (lb/mo)	12-Month Rolling HAP (lb/12-month)	General Use Solids Applied (lb/mo)	12-Month Rolling Solids (lb/12-month)	
Jan-20	-	-	-	-	-
Feb-20	-	-	-	-	-
Mar-20	-	-	-	-	-
Apr-20	-	-	-	-	-
May-20	-	-	-	-	-
Jun-20	-	-	-	-	-
Jul-20	-	-	-	-	-
Aug-20	-	-	-	-	-
Sep-20	-	-	-	-	-
Oct-20	-	-	-	-	-
Nov-20	-	-	-	-	-
Dec-20	-	-	-	-	-
Jan-21	-	-	-	-	-
Feb-21	-	-	-	-	-
Mar-21	-	-	-	-	-
Apr-21	-	-	-	-	-
May-21	-	-	-	-	-
Jun-21	-	-	-	-	-
Jul-21	-	-	-	-	-
Aug-21	-	-	-	-	-
Sep-21	-	-	-	-	-
Oct-21	-	-	-	-	-
Nov-21	-	-	-	-	-
Dec-21	-	-	-	-	-









**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2021

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly $M_R \times PV_R$ (kg/Mg)	12-month Rolling $M_R \times PV_R$ (kg/Mg)	12-month $M_R$ (Mg)	12-month Rolling $PV_R$ (kg/Mg)
Jul-21	-	-	0%	32%	Yes	-	324.17	8.72	37.18
Aug-21	-	-	0%	32%	Yes	-	316.28	8.51	37.18
Sep-21	-	-	0%	32%	Yes	-	305.43	8.21	37.18
Oct-21	-	-	0%	32%	Yes	-	296.36	7.97	37.18
Nov-21	-	-	0%	32%	Yes	-	259.01	6.97	37.18
Dec-21	-	-	0%	32%	Yes	-	220.81	5.94	37.18

Open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Applicators are non-atomized. Maximum HAP Content of the materials is 32%.

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month Rolling $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month $M_{PG}$ (Mg)	12-month Rolling $PV_{PG}$ (kg/Mg)
Jul-21	0.90	2.58	35%	35%	See Total	403.05	1,102.25	6.28	175.48
Aug-21	0.25	0.77	32%	35%	See Total	103.73	1,116.02	6.44	173.35
Sep-21	0.30	0.95	32%	35%	See Total	127.46	1,129.57	6.65	169.92
Oct-21	0.49	1.45	33%	35%	See Total	209.79	1,327.02	7.90	168.07
Nov-21	0.67	2.01	34%	34%	See Total	291.73	1,549.90	9.32	166.25
Dec-21	0.73	2.17	34%	34%	See Total	316.47	1,646.66	10.18	161.77

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 39.9%.

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams



**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2021

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month Rolling $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month $M_{CG}$ (Mg)	12-month Rolling $PV_{CG}$ (kg/Mg)
Jul-21	-	-	0%	41%	Yes	-	93.73	0.42	224.61
Aug-21	0.87	2.12	41%	41%	Yes	431.47	511.14	2.28	224.61
Sep-21	0.71	1.73	41%	41%	Yes	352.92	864.06	3.85	224.61
Oct-21	0.51	1.24	41%	41%	Yes	252.16	1,116.22	4.97	224.61
Nov-21	1.01	2.47	41%	41%	Yes	502.48	1,618.71	7.21	224.61
Dec-21	0.49	1.20	41%	41%	Yes	244.52	1,863.23	8.30	224.61

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 41.1%.

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

40%

Tooling Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)
Jul-21	-	-	-	--	--	-	-	-	-
Aug-21	-	-	-	--	--	-	-	-	-
Sep-21	-	-	-	--	--	-	-	-	-
Oct-21	-	-	-	--	--	-	-	-	-
Nov-21	-	-	-	--	--	-	-	-	-
Dec-21	-	-	-	--	--	-	-	-	-

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

Month	Total Organic HAP Emissions				
	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)
Jul-21	-	403.04	-	403.04	1,520.14
Aug-21	-	535.20	-	535.20	1,943.42
Sep-21	-	480.37	-	480.37	2,299.04
Oct-21	-	461.95	-	461.95	2,739.58
Nov-21	-	794.21	-	794.21	3,427.59
Dec-21	-	560.98	-	560.98	3,730.66

$$HAP \text{ emissions} = [(PV_R)(M_R) + (PV_{PG})(M_{PG}) + (PV_{CG})(M_{CG}) + (PV_{TR})(M_{TR})]$$

$$HAP \text{ Limit} = [46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})]$$

M<sub>R</sub> = mass of production resin used in past 12 months, megagrams

M<sub>PG</sub> = mass of pigmented gel coat in past 12 months, megagrams

M<sub>CG</sub> = mass of clear gel coat in past 12 months, megagrams

M<sub>TR</sub> = mass of tooling resin in past 12 months, megagrams

M<sub>TG</sub> = mass of tooling gel coat in past 12 months, megagrams

HAP Limit = total allowable organic HAP that can be emitted from the open r

Month	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?
Jul-21	1,520.15	1,521.23	Yes
Aug-21	1,943.44	2,077.11	Yes
Sep-21	2,299.07	2,554.29	Yes
Oct-21	2,739.61	3,068.17	Yes
Nov-21	3,427.63	3,899.93	Yes
Dec-21	3,730.70	4,305.57	Yes

$$] (M_{TR}) + (PV_{TG})(M_{TG}) ] \quad (Eq. 1)$$

$$] \quad (Eq. 1)$$

olding operations, kilograms

**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Limit (lb/ton)
	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	
Jul-21	113.00	2.67	88.00	69.34	267.00	13.40	377.00	43.02	522.00	13.02	233.27
Aug-21	113.00	3.34	88.00	81.75	267.00	13.84	377.00	46.05	522.00	14.05	226.14
Sep-21	113.00	2.53	88.00	88.10	267.00	15.63	377.00	47.10	522.00	15.79	225.89
Oct-21	113.00	2.22	88.00	93.69	267.00	16.26	377.00	46.07	522.00	16.56	222.25
Nov-21	113.00	2.07	88.00	99.56	267.00	19.59	377.00	49.97	522.00	19.02	226.03
Dec-21	113.00	1.50	88.00	109.41	267.00	23.87	377.00	55.76	522.00	19.22	225.15

**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2021

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Actual HAP Emission Factor (lb/ton)	In compliance (< Facility Weighted Average Emission Limit)
	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)		
Jul-21	70.62	3.49	68.39	69.34	195.04	13.40	228.09	43.02	269.34	13.02	147.05	compliant
Aug-21	70.62	2.67	68.35	81.75	195.93	13.84	228.19	46.05	269.34	14.05	143.86	compliant
Sep-21	70.62	3.34	68.32	88.10	198.66	15.63	227.61	47.10	269.34	15.79	143.16	compliant
Oct-21	70.62	2.53	68.30	93.69	199.19	16.26	226.73	46.07	269.34	16.56	141.18	compliant
Nov-21	70.62	2.22	68.25	99.56	202.55	19.59	228.13	49.97	269.34	19.02	144.16	compliant
Dec-21	70.62	2.07	68.27	109.41	204.48	23.87	227.41	55.76	269.34	19.22	144.32	compliant

FFGELCOAT

Owosso Composite, LLC, Owosso, MI

YEAR 2021

Summary table with columns for months (January-21 to December-21) and Total. Rows include TOTAL VOC Emissions (ton), VOC Emissions PARTS & Catalyst (WVWV) (ton), HAP Emissions Boats (VWV) (kg), Styrene Emissions (ton), Styrene Emissions PARTS (WVWV) (ton), and Styrene Emissions Boats (VWV) (ton).

32,056.02

lb gal Boats Parts

Main product usage table with columns for Product Name, Type, Boats/Parts, Gelcoat Type, On Material Summ, Units, and monthly usage from January-21 to December-21, plus Total Usage 2021.

Material composition table with columns for Density (lb/gal), Styrene Content (wt%), MMA Content (wt%), VOC Content (wt%), and Organic HAP Content (wt%).

Summary table for MACT emissions and material usage, including rows for Total Organic HAP Emissions, Pigmented Gelcoat, Clear Gelcoat, and various material usage metrics.

CHECK

3.87

CHECK

HAP Emissions tons

6.34

2.44

0

2.59

TOTAL



	VVVV Limit	PTI Styrene	PTI MMA	WVWV Limit (lb/ton)
Tooling Gelcoat	40%	43%	5%	440
White/off white Gelcoat	33%	31%	5%	267
Pigmented Gelcoat	33%	40%	10%	377
Clear Gelcoat		32%	10%	
CR/HS or high performance Gelcoat		33%	10%	605
Fire retardent gelcoat		33%	10%	854
Clear production gelcoat	48%	33%	10%	522

VVVV HAP Emission Factor PVI (kg/Mg)	VVVV Styrene Emission Factor PVI (kg/Mg)	WVWV HAP Emission Factor (lb/ton)	WVWV Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion n lb to Mg	Conversion lb to ton	Boats	VVVV Pigmente		WVWV White/off Pigmente		Clear	Tooling	CR/HS	Fire Retardent	Parts	Parts & Catalysts
								d Gelcoat	White	d							
176.20	140.01	219.38	178.28	271.38	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
169.61	134.98	212.17	172.24	238.39	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
224.61	140.79	269.34	179.22	329.22	4.54E-04	0.0005	-	-	-	-	1.00	-	-	-	-	1.00	1
174.46	135.27	217.48	172.60	247.00	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
261.51	214.69	304.54	259.48	334.48	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
178.70	141.98	222.08	180.63	249.33	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
--	--	--	--	100.00	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	1.00	1
182.14	144.66	225.78	183.78	253.38	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
148.43	102.66	188.20	131.06	246.01	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
179.29	142.36	222.71	181.08	250.08	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
186.62	146.12	230.55	185.49	260.49	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
187.81	147.20	231.81	186.75	261.75	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
182.90	142.74	226.59	181.53	256.53	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
125.28	125.28	160.35	160.35	168.35	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
174.55	135.20	217.57	172.51	247.51	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
179.12	143.05	222.53	181.89	249.24	4.54E-04	0.0005	1.00	1.00	-	1.00	-	-	-	-	-	0	-
143.35	122.83	182.25	157.28	198.83	4.54E-04	0.0005	1.00	1.00	-	1.00	-	-	-	-	-	0	-
--	--	--	--	40.00	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	1.00	1
164.41	91.95	206.40	116.28	286.28	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
224.61	140.79	269.34	179.22	329.22	4.54E-04	0.0005	1.00	-	-	-	1.00	-	-	-	-	0	-
174.46	135.27	217.48	172.60	247.00	4.54E-04	0.0005	1.00	1.00	-	1.00	-	-	-	-	-	0	-
147.74	118.13	187.38	151.34	211.34	4.54E-04	0.0005	1.00	1.00	-	1.00	-	-	-	-	-	0	-
--	--	--	--	40.00	4.54E-04	0.0005	1.00	-	-	-	-	-	-	-	-	0	-
171.66	132.60	214.42	169.36	244.36	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
171.66	132.60	214.42	169.36	244.36	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
170.10	123.91	212.71	158.64	233.64	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
435.30	423.41	448.73	439.72	454.72	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
171.66	132.60	214.42	169.36	244.36	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
125.28	104.34	107.30	133.31	178.31	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
188.32	147.66	232.35	187.29	262.29	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
188.49	147.81	232.53	187.47	262.47	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
186.03	145.58	229.92	184.86	259.86	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
155.55	132.60	196.40	169.36	214.36	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
179.96	140.08	223.43	178.37	253.37	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
171.66	132.60	214.42	169.36	248.36	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
174.71	135.35	217.75	172.69	247.69	4.54E-04	0.0005	-	1.00	1.00	-	-	-	-	-	-	1.00	1
155.55	132.60	196.40	169.36	214.36	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
--	--	--	--	--	4.54E-04	0.0005	1.00	-	-	-	-	-	-	-	-	0	-
181.30	141.30	224.87	179.81	254.81	4.54E-04	0.0005	-	1.00	-	1.00	-	-	-	-	-	1.00	1
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-
--	--	--	--	--	4.54E-04	0.0005	-	-	-	-	-	-	-	-	-	0	-





2 3 4 5 6 7 8 9

**FGOPENMOLDING**

Owosso Composite, LLC, Owosso, MI

YEAR

2021

	January-21	February-21
<b>VOC Emissions (ton)</b>	<b>0.43</b>	<b>0.50</b>
<b>VOC Emissions PARTS &amp; Catalyst (WWWW) (ton)</b>	<b>0.39</b>	<b>0.48</b>
<b>VOC Emissions Boats (VVVV) (ton)</b>	<b>0.04</b>	<b>0.03</b>
<b>Styrene Emissions (ton)</b>	<b>0.32</b>	<b>0.48</b>
<b>Styrene Emissions PARTS (WWWW) (ton)</b>	<b>0.28</b>	<b>0.46</b>
<b>Styrene Emissions Boats (VVVV) (ton)</b>	<b>0.04</b>	<b>0.03</b>

Product Name	Product Name	Type	Boats/Parts	Resin Type	On Material Summ	Units	January-21	February-21
647570	AOC H884-IVA-20	Resin	Boats	Production Resin	YES	lb	1,986.00	1,386.00
539089	Norox MCP-75 FRED	Catalyst	Parts	0	YES	lb	320.00	192.00
A	pcu 33234-24 low styrene resin	Resin	Parts	CR/HS Resin	YES	lb	-	-
539089	Norox MCP-75 FRED	Catalyst	Boats	0	YES	lb	10.78	4.90
647570	AOC H884-IVA-20	Resin	Parts	Non CR/HS Resin	YES	lb	14,228.00	24,380.00
38101	Hetron 197 P Resin	Resin	Parts	Low-flame spread/low	YES	lb	500.00	459.00
38307	Hetron FR 992	Resin	Parts	Low-flame spread/low	YES	lb	1,000.00	320.00
29009	R061-46 - Polyester Bonding Putty	Other-Non Co	Parts	0	YES	lb	1,250.00	100.00
536301	AXE GL S19C SEALER 4 GL/CTN	Other-Non Co	Parts	0	YES	lb	-	-
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#4	Other-Non Co	Parts	0	YES	lb	-	-
38284G	Patch aid clear 970xa014	0	Parts	0	YES	lb	-	-
548759	Chemlease 15 Sealer EZ	0	Parts	0	YES	lb	-	-
628635	IPS SG300-05-B BLACK 30248/30248RIT	Adhesive	Parts	0	YES	lb	1.00	-
205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPERO	Catalyst	Parts	0	YES	lb	-	-
83022	APF7 White 1011047	Resin	Parts	Non CR/HS Resin	YES	lb	6.00	-
595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTT	Resin	Parts	Resin	YES	lb	-	1,146.75
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B	Dion FR 7704-00 poly-resin- tubs	Resin	Parts	CR/HS Resin	YES	lb	-	-
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	Resin		CR/HS Resin	YES	lb	-	-
671003	Aropol L 67341 T-20 LSE	Resin		CR/HS Resin	YES	lb	-	-
0504_001	COR61-AA-545s DCPD Laminating Resin	Resin		CR/HS Resin	YES	lb	-	-
596288	Derakane 510 B-400	Resin		CR/HS Resin	YES	lb	-	-



March-21	April-21	May-21	June-21	July-21	August-21	September-21	October-21	November-21	December-21	Total
0.80	0.32	0.53	0.50	0.38	0.64	0.43	0.34	0.34	0.39	5.58
0.72	0.31	0.49	0.46	0.38	0.64	0.43	0.34	0.34	0.39	5.36
0.09	0.00	0.04	0.05	0	0	0	0	0	0	0.24
0.72	0.30	0.45	0.44	0.31	0.51	0.33	0.30	0.28	0.37	4.82
0.64	0.30	0.41	0.39	0.31	0.51	0.33	0.30	0.28	0.37	4.57
0.09	0.00	0.04	0.05	0	0	0	0	0	0	0.24

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SC VI.3.a

March-21	April-21	May-21	June-21	July-21	August-21	September-21	October-21	November-21	December-21	Total Usage 2021
4,680.00	198.00	2,250.00	2,592.00	-	-	-	-	-	-	13,092.00
416.00	288.00	256.00	200.00	-	-	-	-	-	-	1,672.00
-	-	-	-	-	2,989.00	-	-	-	8.34	2,997.34
24.64	0.70	11.34	14.56	40.00	424.00	256.00	200.00	136.00	312.00	1,434.92
33,314.00	14,575.00	22,050.00	17,118.00	12,832.00	24,688.00	12,622.00	11,072.00	11,570.01	19,695.99	218,145.00
-	-	48.00	507.00	966.00	-	-	-	-	-	2,480.00
1,014.00	92.00	-	907.00	2,028.00	-	3,042.00	3,549.00	-	1,514.00	13,466.00
750.00	-	700.00	700.00	-	-	-	-	-	-	3,500.00
-	-	-	-	24.35	24.35	-	24.35	-	-	73.06
-	-	-	-	63.78	63.78	127.57	-	63.78	-	318.92
-	-	-	-	-	17.58	8.79	-	52.74	-	79.11
-	-	-	-	-	-	6.34	-	-	-	6.34
-	3.00	-	-	-	-	-	-	-	-	4.00
-	-	64.00	-	-	-	-	-	-	-	64.00
6.00	6.00	-	-	168.00	120.00	96.00	96.00	168.00	-	666.00
2,293.50	2,293.50	1,720.13	3,440.25	1,146.75	1,720.13	2,293.50	1,720.13	4,013.63	-	21,788.25
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Density (lb/gal)
9.17
8.35
9.34
8.35
9.17
9.50
9.68
13.34
6.09
7.97
8.79
6.34
8.42
8.34
17.76
10.43
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10.51
9.14
9.00
10.84
9.00

VVVV Limit WWWW Limit

CR/HS Resin 39% 254

Non CR/HS Resin 35% 88

Tooling Resin 35% 113

Low-flame spread/low-smoke 35% 497

Shrinkage controlled resin 35% 354

3.69E-02

SC II.1

33.5%

SC VI.3.b

SC VI.3.c

SC VI.3.d

SC VI.3.d

Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VVVV HAP Emission Factor PVi (kg/Mg)	Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton	Boats	Production Resin
32.0%	0	32.0%	32.0%	37.18	37.18	68.48	68.48	68.48	4.54E-04	0.0005	1.00	1.00
0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04	0.0005	-	-
33.0%	0	36.3%	33.0%	39.88	39.88	70.62	70.62	135.62	4.54E-04	0.0005	-	1.00
0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04	0.0005	1.00	-
32.0%	0	32.0%	32.0%	37.18	37.18	68.48	68.48	68.48	4.54E-04	0.0005	-	1.00
41.6%	0	41.6%	41.6%	67.45	67.45	97.55	97.55	97.55	4.54E-04	0.0005	-	1.00
39.5%	0	39.8%	39.5%	60.13	60.13	91.12	91.12	97.12	4.54E-04	0.0005	-	1.00
15.0%	0	15.0%	15.0%	--	--	--	--	300.00	4.54E-04	0.0005	-	-
0	0	100.0%	2.5%	--	--	--	--	2,000.00	4.54E-04	0.0005	-	-
0	0	100.0%	0	--	--	--	--	2,000.00	4.54E-04	0.0005	-	-
50.4%	0	50.4%	50.4%	--	--	--	--	1,008.12	4.54E-04	0.0005	-	-
0	0	95.0%	0	--	--	--	--	1,900.00	4.54E-04	0.0005	-	-
4.0%	65.0%	79.0%	69.0%	--	--	--	--	1,580.00	4.54E-04	0.0005	-	-
0	0	28.5%	35.0%	--	--	--	--	570.50	4.54E-04	0.0005	-	-
0	0	21.0%	0	0	0	0	0	420.00	4.54E-04	0.0005	-	1.00
35.0%	0	35.0%	35.0%	45.59	45.59	76.90	76.90	76.90	4.54E-04	0.0005	-	-
--	--	--	--	--	--	--	--	--	4.54E-04	0.0005	-	-
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--	--	--	--	--	--	--	--	--	4.54E-04	0.0005	-	-
31.5%	0	32.0%	31.5%	35.87	35.87	67.41	67.41	77.41	4.54E-04	0.0005	-	1.00
34.6%	0	36.2%	34.6%	44.53	44.53	75.77	75.77	107.77	4.54E-04	0.0005	-	1.00
32.6%	0	32.6%	32.6%	38.73	38.73	69.72	69.72	69.72	4.54E-04	0.0005	-	1.00
31.0%	2.0%	33.0%	33.0%	39.88	34.59	70.62	64.34	94.34	4.54E-04	0.0005	-	1.00
39.4%	0	39.4%	39.4%	59.63	59.63	90.66	90.66	90.66	4.54E-04	0.0005	-	1.00



(lb/ton)

CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low-smoke	Shrinkage controlled resin	Parts	Parts & Catalysts
-	-	-	-	-	-	0
-	-	-	-	-	1.00	1
1.00	-	-	-	-	1.00	1
-	-	-	-	-	-	1
-	1.00	-	-	-	1.00	1
-	-	-	1.00	-	1.00	1
-	-	-	1.00	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	1.00	-	-	-	1.00	1
-	-	-	-	-	1.00	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
-	-	-	-	-	-	1
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-	-	-	-	-	-	1
1.00	-	-	-	-	1.00	1
1.00	-	-	-	-	-	1
1.00	-	-	-	-	-	1
1.00	-	-	-	-	-	1
1.00	-	-	-	-	-	1

**EUFOAM**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2021**

HAP Emi:
VOC Em
Styrene En

Product Name	Product Name	Type	Boats/Parts
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	Catalyst	Boats
E13	Foam a	0	Boats
E13.1	Foam b	0	Boats
526125	Elastopor P 15390R resin	Resin	Boats
211989	PCU PT 095-0141 DEFOAMER	Other-Non Coating	
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<b>MACT VVVV To</b>
<b>MACT VVVV (I</b>
<b>MACT VVVV</b>
<b>MACT VVVV Product</b>
<b>MACT VVVV Prod</b>
<b>MACT VVVV Toolin</b>
<b>MACT VVVV To</b>
<b>To</b>

5 6 7 8 9 10 11 12

	January-21	February-21	March-21	April-21	May-21
AP Emissions (ton)	0	0	0	0	0
issions Boats (VVVV) (ton)	0	0	0	0	0
OC Emissions (lb)	4.53	0	4.30	4.81	6.41
issions Boats (VVVV) (lb)	4.53	0	4.30	4.81	6.41
rene Emissions (ton)	0	0	0	0	0
issions Boats (VVVV) (ton)	0	0	0	0	0

Resin Type	On Material Summ	Units	January-21	February-21	March-21	April-21	May-21
0	YES	lb	2,950.00	-	760.00	-	2,050.00
0	YES	lb	-	-	-	-	-
0	YES	lb	-	-	-	-	-
0	YES	lb	1,060.00	-	1,480.00	1,850.00	1,990.00
0	YES	lb	-	-	-	-	-
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			8.00	14.00	20.00	26.00	32.00

<b>Total Organic HAP Emissions (ton)</b>	0	0	0	0	0
<b>(M X PV<sub>R</sub>) Production Resin (kg)</b>	0	0	0	0	0
<b>(M X PV<sub>TR</sub>) Tooling Resin (kg)</b>	0	0	0	0	0
<b>Production Resin HAP Material Content (ton)</b>	0	0	0	0	0
<b>Production Resin Material Usage (ton)</b>	0	0	0	0	0
<b>Tooling Resin HAP Material Content (ton)</b>	0	0	0	0	0
<b>Tooling Resin Material Usage (ton)</b>	0	0	0	0	0
<b>Total Foam Usage (lb)</b>	4,010.00	-	2,240.00	1,850.00	4,040.00





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June-21	July-21	August-21	September-21	October-21	November-21	December-21
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	1.42	0	0	0
0	0	0	1.42	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

June-21	July-21	August-21	September-21	October-21	November-21	December-21
-	-	-	200.00	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	500.00	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-



38.00	45.00	52.00	59.00	66.00	73.00	80.00

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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CR/HS Resin  
 Non CR/HS Resin  
 Tooling Resin  
 Low-flame spread/low-smoke

Shrinkage controlled resin

SC VI.3.d SC VI.3.d

VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)	VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton
--	--	--	0.01	120.14	4.54E-04	0.0005
--	--	--	0.01	6.47E-06	4.54E-04	0.0005
--	--	--	0.01	9.99E-07	4.54E-04	0.0005
0	0	0	0.01	520.00	4.54E-04	0.0005
--	--	--	0.01	0	4.54E-04	0.0005
--	--	--	--	--	4.54E-04	0.0005
--	--	--	--	--	4.54E-04	0.0005
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--	--	--	--	--	4.54E-04	0.0005
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VVVV Limit WWWW Limit (lb/ton)

39%	254
35%	88
35%	113
35%	497

35%	354
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Boats	Productio n Resin	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low- smoke	Shrinkage controlled resin Parts	Parts & Cat
1.00	-	-	-	-	-	-	1
1.00	-	-	-	-	-	-	0
1.00	-	-	-	-	-	-	0
1.00	-	-	-	-	-	-	0
-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	1
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-	-	-	-	-	-	-	1
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EURTM

Owosso Composite, LLC, Owosso, MI

YEAR

2021

VOC Emissions (lb)
VOC Emissions PARTS & Catalyst (lb)
HAP Emissions Boats (VW)
HAP Emissions (lb)
Styrene Emissions PARTS (VW)
Styrene Emissions Boats (VW)

Product Name	Product Name	Type	Boats/Parts	Resin Type
539089	Norox MCP-75 FRED	Catalyst	Parts	0
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst	Parts	0
205702	Norox MEKP-9H	Catalyst	Parts	0
562196	Norox Azox Fred - Acetyl Acetone Peroxide	Catalyst	Parts	0
505853	Stypol 040-8086 Unsaturated Polyester Resin	Resin	Parts	CR/HS Resin
651875	Bulk Resin 136-7977	Resin	Parts	CR/HS Resin
205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPERO	Catalyst	Parts	
647477	752-4420 Resin FR Infusion Resin	Resin	Parts	
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<b>MACT VVVV Total Organic HAP Er</b>
<b>MACT VVVV (M X PVR) Producti</b>
<b>MACT VVVV (M X PVTR) Toolin</b>
<b>MACT VVVV Production Resin HAP Ma</b>
<b>MACT VVVV Production Resin Mate</b>
<b>MACT VVVV Tooling Resin HAP Mate</b>
<b>MACT VVVV Tooling Resin Materi</b>
<b>MACT WWWW CR/HS Resin</b>
<b>MACT WWWW CR/HS Resin Mater</b>
<b>MACT WWWW Non CR/HS Res</b>
<b>MACT WWWW Non CR/HS Resin Ma</b>
<b>MACT WWWW Tooling Resin</b>
<b>MACT WWWW Tooling Resin Mate</b>
<b>MACT WWWW Low-flame/low-sr</b>
<b>MACT WWWW low flame/low smoke R</b>
<b>MACT WWWW Shrinkage Controlled F</b>
<b>MACT WWWW Shrinkage Controlled R</b>

6 7 8 9 10 11 12 13 14

	January-21	February-21	March-21	April-21	May-21	June-21	July-21
	73.13	25.31	19.20	79.33	39.18	162.14	0.04
(WWWW) (lb)	73.13	25.31	19.20	79.33	39.18	162.14	0.04
V) (kg)	0	0	0	0	0	0	0
	73.02	25.20	19.08	79.24	39.18	161.98	0.04
'WW) (ton)	0.00	0.00	0.00	0.00	0.00	0.01	0
VV) (ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-21	February-21	March-21	April-21	May-21	June-21	July-21
YES	lb	320.00	192.00	416.00	288.00	256.00	200.00	40.00
YES	lb	400.00	352.00	416.00	288.00	136.00	488.00	-
YES	lb	-	-	-	-	-	64.00	-
YES	lb	56.00	80.00	64.00	64.00	32.00	56.00	-
YES	lb	3,625.00	4,334.00	4,666.00	1,750.00	3,250.00	1,985.00	-
YES	lb	13,391.00	1,761.40	-	16,527.60	5,913.00	35,398.00	-
YES	lb	-	-	-	-	64.00	-	-
YES	lb	-	5.00	-	40.00	-	-	-
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		8.00	14.00	20.00	26.00	32.00	38.00	45.00

missions (ton)	0	0	0	0	0	0	0	0
on Resin (kg)	0	0	0	0	0	0	0	0
g Resin (kg)	0	0	0	0	0	0	0	0
terial Content (ton)	0	0	0	0	0	0	0	0
erial Usage (ton)	-	-	-	-	-	-	-	-
rial Content (ton)	0	0	0	0	0	0	0	0
al Usage (ton)	-	-	-	-	-	-	-	-
HAP (lb)	0	0	0	0	0	0	0	0
rial Usage (ton)	-	-	-	-	-	-	-	-
in HAP (lb)	0	0	0	0	0	0	0	0
terial Usage (ton)	-	-	-	-	-	-	-	-
HAP (lb)	0	0	0	0	0	0	0	0
rial Usage (ton)	-	-	-	-	-	-	-	-
noke HAP (lb)	0	0	0	0	0	0	0	0
resin Material Usage	-	-	-	-	-	-	-	-
resin HAP Material	0	0	0	0	0	0	0	0
resin Material Usage	-	-	-	-	-	-	-	-





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52.00	59.00	66.00	73.00	80.00	

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0	0	0	0	0	0
-	-	-	-	-	0

Parts lb  
Boats gal

44.5%

SC II.1

SC VI.3.b

Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VVVV HAP Emission Factor PVi (kg/Mg)	VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)
8.35	0	0	10.0%	10.0%	--	--	--	--
8.41	0	0	2.0%	0	--	--	--	--
9.18	0	0	5.0%	0	--	--	--	--
9.17	0	0	5.0%	0	--	--	--	--
9.09	40.0%	0	40.0%	40.0%	61.78	61.78	92.60	92.60
9.07	43.5%	0	43.5%	43.5%	74.61	74.61	103.46	103.46
8.34	0	0	28.5%	35.0%	--	--	--	--
10.68	30.3%	0	30.3%	30.3%	3284.1%	3284.1%	6484.2%	6484.2%
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	VVVV Limit	Styrene Lin	WWWW Limit (lb/ton)
white	33%	31%	267
Pigmented	33%	33%	377
Clear	48%	33%	522

SC VI.3.c

VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton	Boats	Parts	Production CR/HS	Resi Non CR/HS
0.01	200.00	0.00	0.0005	-	1.00	-	-
0.01	40.00	0.00	0.0005	-	1.00	-	-
0.01	100.00	0.00	0.0005	-	1.00	-	-
0.01	100.00	0.00	0.0005	-	1.00	-	-
0.01	800.00	0.00	0.0005	-	1.00	-	-
0.01	869.20	0.00	0.0005	-	1.00	-	-
0.01	570.50	0.00	0.0005	-	1.00	-	-
0.01	606.00	0.00	0.0005	-	1.00	-	-
--	--	0.00	0.0005	-	-	-	-
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--	--	0.00	0.0005	-	-	-	-
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--	--	0.00	0.0005	-	-	-	-
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--	--	0.00	0.0005	-	-	-	-
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	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resi	0.39	254
Non CR/HS	0.35	88
Tooling Res:	0.35	113
Low-flame	0.35	497
Shrinkage c	0.35	354

Tooling Re: Low-flame Shrinkage controlled r Parts & Catalysts

-	-	-	1.00
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**EUBLADES**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2021**


Product Number	Product Name	Type
38101	Hetron 197 P Resin	Resin
38307	Hetron FR 992	Resin
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MACT WW
MACT WWW
MACT WV

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	January-21	February-21	March-21	April-21
VOC Emissions (lb)	0	0	0	0
Styrene Emissions (lb)	0	0	0	0

Resin Type	On Material Summ	Units	January-21	February-21	March-21	April-21
Low-flame spread/low-smoke	YES	lb				
Low-flame spread/low-smoke	YES	lb				
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MACT WWWW CR/HS Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW CR/HS Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Non CR/HS Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Non CR/HS Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Tooling Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Tooling Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Low-flame/low-smoke HAP (lb)	0.00	0.00	0.00	0.00
MACT WWWW low flame/low smoke Resin Material Usage (ton)	-	-	-	-
MACT WWWW Shrinkage Controlled Resin HAP Material Content (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Shrinkage Controlled Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!



#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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0.00	0.00	0.00	0.00	0.00	0.00	0.00
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#VALUE!	#VALUE!
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	VVVV Limit	Styrene Lin	MMA Limit	WWWW Limit (lb/ton)
white	33%	31%	5%	267
Pigmented	33%	33%	10%	377
Clear	48%	33%	10%	522

ized SC VI.3.c

Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to ton	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low-smoke	Shrinkage controlled resin	
233.70	233.70	0.0005		0	0	0	1	0
204.48	210.48	0.0005		0	0	0	1	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
--	--	0.0005		0	0	0	0	0
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**EUADHESIVEDISPING**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2021**

<b>VOC Emissions (lb)</b>
<b>VOC Emissions (ton)</b>

<b>Product Name</b>	<b>Product Name</b>	<b>Type</b>	<b>On Material Summ</b>	<b>Units</b>
630852	SCIGrip SG300-05-OW - Off White Adhesive	Adhesive	YES	lb
628769	SCIGRIP SG605B-B Activator	Catalyst	YES	lb
655932	SCIGRIP SG305A Adhesive	Adhesive	YES	lb
690917	Reactive Tackifier NuTak BLU 046-4062	0	YES	lb
641685	CHL GL 2697 SEALER 4GL/CTN	Other-Non Co	YES	lb
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	Catalyst	YES	lb
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	Catalyst	YES	lb
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January-21	February-21	March-21	April-21	May-21	June-21	July-21	August-21
0.00	0.01	0.00	0.01	0	0.01	0	0.01
0.00	0.00	0.00	0.00	-	0.00	-	0.00

January-21	February-21	March-21	April-21	May-21	June-21	July-21	August-21
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	47.73
252.70	294.82	168.47	715.99	-	505.40	-	554.85
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
24.00	34.00	-	12.00	-	28.00	33.15	-
6.00	6.00	24.00	12.00	-	12.00	33.15	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-



8.00      14.00      20.00      26.00      32.00      38.00      45.00      52.00





59.00

66.00

73.00

80.00



lb  
gal

sumes 0.5% of VOCs are emitted from MMA Adhesives

5%

SC VI.3.c

Organic HAP Content (wt%)	HAP Emission Factor (lb/ton)	VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to ton
0.3%	--	0.50%	7.90	0.0005
0	--	0.50%	0	0.0005
0.3%	--	0.50%	7.90	0.0005
0	--	0.50%	1,000.00	0.0005
0	--	0.50%	1,992.80	0.0005
0	--	0.50%	0	0.0005
0	--	0.50%	0	0.0005
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**EUCOATINGLINE**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2021**

<b>VOC Emissions (tc</b>
<b>General Use HAP (</b>
<b>General Use Solids</b>
<b>TPO HAP (lb)</b>
<b>TPO Solids (lb)</b>
<b>Automotive Lamp HA</b>
<b>Automotive Lamp Soli</b>
<b>Assembled On-road Vehic</b>
<b>Assembled on Road Vehicl</b>

Product Number	Product Name	PPPP Category	Type	On Material Summ
689737	INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN		Resin	YES
592459	Grey EZ sanding primer 707-061		0	YES
641523	AOC FV CT-11088 WHITE PIGMENT		0	YES
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KPA0333	Paint, Med Gloss Black Urethane		Paint	YES
53-X145A	Catalyst, Component B for KPA01		Paint	YES
KPY0217	Paint, Yellow		Paint	YES
F63BXA432	Paint, Silver Bruinswick		Paint	YES
F63BXA432	Paint, Dark Gray Bruinswick		Paint	YES
F63BXL179	Paint, Blue Bruinswick		Paint	YES
CTC0073	Catalyst, Hardener		Paint	YES
V66V27	Catalyst, Polane B		Paint	YES
6637-R	Adhesive, Primer Pliogrip		Paint	YES
4402	Paint, Gloss Black Spray		Paint	YES
4087573	Paint, Red Spray		Paint	YES
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM		0	YES
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY		Other-Non Coa	YES
533074	UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MA		Other-Non Coa	YES
105435	CHL GL MPP 117 PRIMER		0	YES
51609	Clear Hi-Gloss Additive		0	YES
31353	RESIN dion 9300 fr		Resin	YES
583175	Resin Corve 8401		Resin	YES
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	January-21	February-21	March-21	April-21	May-21	June-21	July-21
on)	0.28	0.75	0	0.27	0	0	0
(lb)	0	0	0	0	0	0	0
(lb)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
AP (lb)	0	0	0	0	0	0	0
ids (lb)	0	0	0	0	0	0	0
le HAP (lb)	0	0	0	0	0	0	0
e Solids (lb)	0	0	0	0	0	0	0

Units	January-21	February-21	March-21	April-21	May-21	June-21	July-21
gal	132.00	353.00	-	-	-	-	-
gal	-	-	-	250.00	-	-	-
gal	-	-	-	-	-	-	-
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gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
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gal	-	-	-	-	-	-	-
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	8.00	14.00	20.00	26.00	32.00	38.00	

August-21	September-21	October-21	November-21	December-21	Total
0	0	0	0	0	1.29
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0

SC VI.3.a

August-21	September-21	October-21	November-21	December-21	Total Usage 2021	Density (lb/gal)
-	-	-	-	-	485.00	10.84
-	-	-	-	-	250.00	11.84
-	-	-	-	-	-	17.51
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-	-	-	-	-	-	8.40
-	-	-	-	-	-	8.84
-	-	-	-	-	-	10.21
-	-	-	-	-	-	9.17
-	-	-	-	-	-	9.23
-	-	-	-	-	-	9.17
-	-	-	-	-	-	9.41
-	-	-	-	-	-	9.57
-	-	-	-	-	-	7.20
-	-	-	-	-	-	8.84
-	-	-	-	-	-	8.84
-	-	-	-	-	-	7.17
-	-	-	-	-	-	6.76
-	-	-	-	-	-	8.67
-	-	-	-	-	-	7.29
-	-	-	-	-	-	8.76
-	-	-	-	-	-	9.76
-	-	-	-	-	-	10.84
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lb		PPPP Organic HAP Limit (lb/lb of coating s
gal	General Use Coating	0.16
	Automotive Lamp Coating	0.45
	Thermoplastic Olefin Coating	0.26
	Assembled On-road Vehicle Coating	1.34

SC VI.3.b

SC VI.3.c

VOC Content (wt%)	Organic HAP Content (wt%)	Solids Content (wt%)	HAP Emission Factor (lb/gal)	VOC emission factor (lb/gal)	General Use	Automotive	TPO
39.0%	39.0%	61.0%	--	4.23	0	0	0
18.0%	18.0%	82.0%	--	2.13	0	0	0
0	0	100.0%	--	0	0	0	0
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66.1%	0	33.9%	0	5.55	0	0	0
37.0%	0	63.0%	0	3.27	0	0	0
51.0%	0	49.0%	0	5.21	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
77.5%	0	22.5%	0	7.15	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
100.0%	0	0	0	9.41	0	0	0
40.3%	0	59.7%	0	3.86	0	0	0
66.5%	0	33.5%	0	4.79	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
93.2%	0	6.8%	--	6.69	0	0	0
100.0%	0	0	--	6.76	0	0	0
100.0%	0	0	--	8.67	0	0	0
91.1%	75.0%	8.9%	--	6.64	0	0	0
54.0%	36.0%	46.0%	--	4.73	0	0	0
53.0%	53.0%	47.0%	--	5.17	0	0	0
38.4%	38.4%	61.6%	--	4.16	0	0	0
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Assembled On-road vehicle
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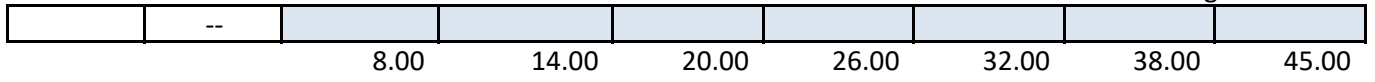
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	January-21	February-21	March-21	April-21	May-21	June-21	July-21
(ton)	0	0	0	0	0	0	0.60
s (ton)	0.59	0.59	1.43	0.91	0.12	3.08	(0.34)
(ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-21	February-21	March-21	April-21	May-21	June-21	July-21
YES	lb	3,525.00	3,245.00	5,110.00	3,970.00	2,400.00	8,315.00	1,403.24
YES	lb	(2,340.00)	(2,070.00)	(2,250.00)	(2,160.00)	(2,160.00)	(2,160.00)	(2,078.70)
YES	lb	-	-	-	-	-	-	-
YES	lb	-	-	-	-	-	-	-
YES	lb	-	-	-	-	-	-	1,172.77
YES	lb	-	-	-	-	-	-	32.94
YES	lb	-	-	-	-	-	-	-
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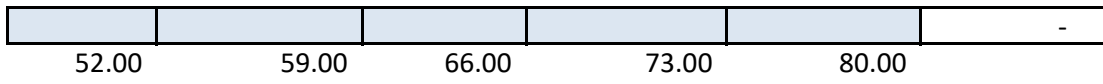
n References

August-21	September-21	October-21	November-21	December-21	Total
0.02	0.01	0.06	0.07	0	0.76
1.88	0.98	1.39	0.53	0.97	12.13
0	0	0	0	0	0

**SC VI.3.b**

August-21	September-21	October-21	November-21	December-21	Total Usage 2021
5,739.60	3,993.10	4,888.48	3,242.97	4,015.00	49,847.38
(1,976.58)	(2,032.58)	(2,108.35)	(2,174.24)	(2,075.41)	(25,585.87)
-	16.68	-	25.02	-	41.70
-	-	8.70	-	-	8.70
32.94	-	118.59	65.89	-	1,390.19
-	-	-	65.89	-	98.83
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Parts lb WWWW HAP Limit  
Boats gal aning Solvents 0

SC VI.3.b

Density (lb/gal)	Acetone Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	Conversion lb to ton	Boats	Parts
6.59	100.0%	0	0.0%	0.0005	-	-
6.59	100.0%	0	0.0%	0.0005	-	-
8.34	0	62.0%	61.0%	0.0005	-	-
8.70	0	57.6%	56.6%	0.0005	-	-
6.59	0	100.0%	5.2%	0.0005	-	-
6.59	0	100.0%	0.0%	0.0005	-	-
8.34	0	63.0%	2.0%	0.0005	-	-
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**EUMOLDRELEASE**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2021**

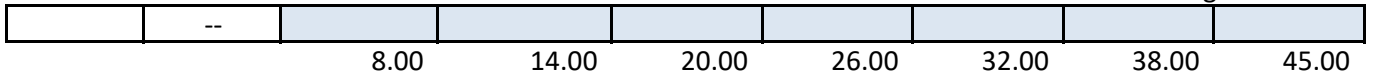
VOC Emissions (
Acetone Emission
HAP Emissions (

Product Name	Product Name	Type	Boats/Parts
50911	905 TR Mold Prep Cleaner	Purge & Cleanup	
553587	955 EZ Wipe II Semi Perm Release - Mold Release	Mold Release	
50912	MR 910/910FD TR 910 FD Mold Release	Mold Release	
38060G	970C949 8% Wax solution	0	
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50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104	Mold Release	
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	Mold Release	
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	Mold Release	
540104	CHL GL FZ5RSG014 FLEX-Z #5 HI SLIP MOLD RELEASE 4/CS	Mold Release	
216566	3MC 05928 QT MACHINE POLISH 7100061951 FINESSE-IT	Other-Non Coating	
50523	TR Mold Release TR-214	Mold Release	
50522	TR-210 Mold Release	Mold Release	
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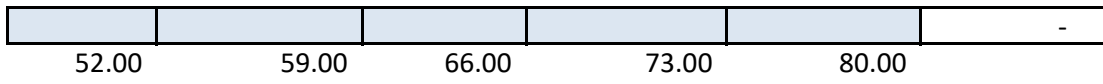


August-21	September-21	October-21	November-21	December-21	Total
0	0	0	0	0	0.03
0	0	0	0	0	0
0	0	0	0	0	0

SC VI.3.b

August-21	September-21	October-21	November-21	December-21	Total Usage 2021
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-	-	-	-	-	12.00
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C1 Part	Starting inv	Purchase
647570 AOC TOTE H884-IVA-20 RESIN 2800#/FLAT TOTE	15516	13940
505853 PCU DX 040-8086 RTM RESIN	3625	1500
651875 PCU BULK 136-7977 UNSATURATED POLYESTER RTM RESIN	13391	0
38307 INE DX HETRON FR 992 VINYL ESTER UNPROMOTED RESIN 507#/DX	1500	0
615965 AOC DX H884-IVA-20 RESIN 485#/DX	0	0
203443 PCU DX DION FR 7704-00 POLYESTER RESIN 540#/DX CL TOP	0	0
517127 INE FV HETRON 197P RESIN VE FLAME RETARDANT	500	0
647477 PCU FV 752-4420-20 CLASS I FR INFUSION RESIN 45#/PAIL	45	0
38101 INE DX HETRON 197P PROMOTED FLAME RETARDANT RESIN	0	0
Purple purple	0	135
680667 INE FV MAX YG-LEI-Y050A INSTINT GEL COAT NA03	0	0
690554 INE FV MAX YG-LEI-S089A INSTINT GEL COAT NA01	0	0
551413 INE DX MAXGUARD CG-SG-0010 CLEAR SPRAY GRANITE	2775	2250
645286 PCU DX 964-AP-416 LIGHT GRAY HAP37 GEL COAT	0	4087
601211 HKR DX RHD-3507 JET BLACK REVOLUTION HD GEL COAT	1666	1000
623680 PCU DX 944-WP-506 OFF WHITE POLYCOR GEL COAT	530	1610
645283 PCU DX 964-NP-451 TAN HAP37 GEL COAT	1395	1060
683929 PCU DX 991-NP-599 BROWNCREST HAP33 ARMORCOTE GEL COAT	0	0
689737 INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN 45#/PAIL	0	132
683927 PCU DX 991-AP-633 CHARCOAL HAP33 ARMORCOTE GEL COAT	0	0
ash Ash max yg-lei x 027a yellow	0	0
655932 IPS FV SG305A 30236 OFF WHITE SCIGRIP ADHESIVE 10:1 45#/PAIL	5	5
628635 IPS SG300-05-B BLACK 490ML 30248/30248RIT 12/CS LTD QTY	1	0
595326 DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY	0	3
ecru ecru for seats	0	0
A PCU DX 33234-24 LOW STYRENE TLP RESIN 489#/DX	958	496
204070 PCU FV 752-4423 FR RESIN CLASS I FIRE RETARDANT RESIN	0	0
557967 INT DX W-419-LUU/CSA WHITE LOW VOC GEL COAT	500	1100
609679 INE DX AME 5001 T-30 RESIN (PREV AME5001C & AME5001C INT)	0	0
539089 UNI 4X8# MCP-75 FRED MEKP/CHP CUMYL HYDROPEROXIDE BLEND	96	288
23172 ARA 4X8# LUPEROX DDM-9 CLEAR 1536#/PLT	88	352
562196 UNI 4X8# AZOX FRED	120	0
205702 UNI 4X8# NOROX MEKP-9H CLEAR METHYL ETHYL KETONE PEROXIDE	0	0
580181 UNI 4X8# NOROX 757 CLEAR ACETYL ACETONE PEROXIDE/CHP BL	0	0
82036-A NFC 4X8# TRIGONOX 63A METHYL ETHYL KETONE PEROXIDE	0	0
533074 UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MATERIAL	0	0
205712 UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROXIDE BLEND	0	0
691773 PCU DX 944-WP-880 VANILLA POLYCOR GEL COAT	500	0
681121 PCU DX 964-AP-620 OXFORD GRAY BC HAP37 POLYCOR GEL COAT	509	0
681120 PCU DX 964-NP-590 FRENCH GRAY BC HAP37 POLYCOR GEL COAT	509	0
681060 PCU DX 964-NP-589 BEIGE-BC HAP37 POLYCOR GEL COAT	0	0
693428 INT DX N-1832-LNHN TAN Y038 LOW VOC GEL COAT 530#/DRUM	0	0
677753 INE FV MAX WG-LEI-F120A INSTINT GEL COAT	0	0
679751 INT DX B-1536B-LNHN GREY LOW VOC GEL COAT	1320	0



640895	INT DX N-1404-LNHN PLATINUM TAN LOW VOC GEL COAT	0	530
671487	PCU DX 964-NP-555 CONCH SHELL HAP37 POLYCOR GEL COAT	900	538
671485	PCU DX 953-WP-762 HURRICANE WHITE GEL COAT	500	0
681409	PCU DX 964-AP-622 DK GRAY 2020 HAP37 GEL COAT	0	485
671486	PCU DX 964-NP-553 BUCKSIN HAP37 POLYCOR GEL COAT	832	0
80238	PCU FV 945-YJ-071 EPOVIA VE ORANGE TOOLING GEL COAT	0	0
617369	HKR DX LHB-3815 BLACK VE BARRIER COAT	0	0
599226	INE DX AME VPRO 012 BLACK BARRIER COAT	0	0
553330	PCU FV 967-BK-150 BLACK HAP33 ARMORGARD VE BARRIER COAT	0	0
630241	ASC DX 84-810660 LIGHT GRAY SANDABLE GEL COAT	0	0
592459	HAW GL 707-061 GREY EZ SANDING PRIMER 4GL/CS	166	0
638072	ASC DX 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	350	519
638071	ASC FV 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	0	0
684864	INE FV MAX WG-LEI-1717A MISSION WHITE INSTINT GC NA06	0	0
691064	PCU DX 964-NP-615 TAN-MANIT HAP37 GEL COAT	0	0
691065	PCU DX 964-AP-678 GRAY-MANIT HAP37 GEL COAT	0	0
694221	PCU DX 964-NP-626 BEIGE-MANIT HAP37 GEL COAT	0	0
690083	ITP GL CEILCOTE NCA061/1GL 380 PRIMER PART A	0	0
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#490269	0	0
623133	INE FV AME6001-INF-35 INFUSION VINYL ESTER RESIN	0	0
574675	PPC FV DENATURED ALCOHOL SOLVENT INDUSTRIAL USE ONLY	0	0
629066	INE FV MAX LG-LEI-R5024A PASTEL BLUE INSTINT GEL COAT	0	0
673352	INE FV MAX GG-LEI-N039A INSTINT GEL COAT	0	0
548759	CHL GL 15 SEALER EZ 4GL/CTN	0	0
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	0	0
596596	CHL GL 2185 SEMI PERM RELEASE AGENT 4/CS	0	0
631809	INE FV MAX GG-LEI-R6018A YELLOW GREEN INSTINT GEL COAT	0	0
536301	AXE GL S19C SEALER 4 GL/CTN	0	0
29506-MT	TOTE STYRENE MONOMER 50T VIRGIN STAINLESS STEEL TOTE	0	0
592473	HAW GL 1799-006 GREY VINYL ESTER PRIMER	0	0
102635G	AXE GL 802 XTEND SOLVENT BASE SEMI-PERMANENT MOLD RELEASE	0	0
106387	PCU FV 961-GJ-117 GREEN ARMORCOTE GEL COAT	0	0
37036	PCU FV 945-GA-104 GREEN TOOLING GEL COAT	0	0
37027	PCU FV 945-YA-058 ORANGE TOOLING GEL COAT 45#/PAIL	0	0
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM	0	0
592477	HAW GL 39UCE DURATEC REDUCER (FORMERLY 39LAC-3) 4GL/CS	0	0
37026	PCU FV 945-B-201 BLACK TOOLING GEL COAT	0	0
692706	INE FV MAX NG-LEI-4997A BROWN INSTINT GEL COAT NA01	0	0
693678	INE FV MAX NG-LEI-Y038A INSTINT GEL COAT NA01	0	0
631808	INE FV MAX GG-LEI-R6027A LIGHT GREEN INSTINT GEL COAT NA01	40	0
690661	INE FV MAX AG-LEI-K157A INSTINT GEL COAT NA01	0	0
634239	PCU FV 998-BK-211 BLACK UV ENAMEL HAP37 GEL COAT	0	0
580118	UNI 4X8# NOROX 757 FRED ACETYL ACETONE PEROXIDE/CHP BL	0	0
570990	AXS GL ES-224 HARDENER 5.4#/GL	0	0
661498	HAW KT 1804-007 UNTINTED VINYL ESTER REPAIR PUTTY QUARTS	0	0
690084	ITP EA CEILCOTE NCA003/2.5OZ #2 HARDENER CLEAR PART B	0	0
632030	PTG 20KG PRSI 308A BASE SILICONE	0	0

29009	DBF DX RO61-46 PUTTY 700#/DRUM	700	1400
213275	RJM BG MAXTOOL710/50 ATH 50# MAXTOOL FILLER SYS 3000#/PLT	0	0
83022	AXS GL APF 7 WHITE RESIN F011048 2GL/CTN 24# CLEX	0	6
553587	TRI GL TR-955 EZ WIPE SEMIPERM MR955 4GL/CS LTD QTY	3	0
628769	IPS FV SG605B LVB 30177 BLACK SCIGRIP ACTIVATOR 47#/PAIL	0	0
513555	No	0	0
202293	No	0	0
29666	FBR 7232 1/32 MILLED FIBERS CATIONIC POWDERY 2100#/PLT	0	0
641523	AOC FV CT-11088 WHITE PIGMENT	0	0
213227	HUB BG Q325 HUBERCARB 50# 2400#/PLT	0	0
27299	BSF DX P1001U A SIDE ISO 56678610 551.2# USCG APPROVED	3250	0
526125	BSF DX P 15390R B SIDE POUR 54961516 460# USCG APPROVED	3460	0
557069	JUS ER13-2400-180 CP GUN ROVING 207 YIELD	0	0
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY	0	0
678460	AXS FV ES-224 RESIN 60#/PAIL F224058	0	0
607126	NOD GL 15310 SPECIAL-LITE BODY FILL W/2.5 OZ BL HARD LTD QTY	0	0
00203G	AXS GL SIKABIRE SIN AP014 WHITE F014238 (PRIOR P14) LTD QTY	0	0
629827	JUS 1.5 OZ 50 BB CSM EMC450-1270-P04	0	0
28612	PQC 60# Q-CEL 300 HOLLOW MICROSPHERES	0	0
518117	RJM BG A212 ATH FILLER 50# 3000#/PLT	0	0
40001	55 GL DRUM ACETONE (DRUM WEIGHTS VARY)	3650	1460
50912	TRI GL TR-910 LIQUID SEMI-PERM SEALER REG MR910 4/CS LTD QTY	3	2
50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104 LTD QTY	0	0
50911	TRI GL TR-905-1 SOLVENT MOLD PREP CLEANER MR905-1 4/CS	1	9
394430	int dx b -1774 Lnhn Flint Some Low Voc		
694481	Alpine white gel coat low voc		0
694478	Latte khaki low voc gel coat		
105435	CHL GL MPP 117 PRIMER		
51609	Clear Hi-Gloss Additive		
528737	941-CJ-018 clear Patching Thinner		
534109	Clear Patching Thinner 963-CA-220		
50523	TR Mold Release TR-214		
50522	TR-210 Mold Release		
697441	Mission White Gel Coat		
697384	964-AP-731 DARK GREY		
634516	LIGHT PURPLE INSTINT GEL COAT		
51287	33234-37 Resin		
635220	Ash FB Ag-lei-M155a instint gel Dark Brown		
31353	RESIN dion 9300 fr		
583175	Resin corve 8401		
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	0	0
659947	AXS GL APG 1750 S ORANGE 616831 10.3#/GL LTD QTY	0	0
571842	PCU CN 046-4062 NUTACK AEROSOL BLUE 22OZ CAN 12/CS LTD QTY	0	0
671196	3MC 14327 HI TACK 71 CLR SPRAY 7010407935 18.04OZ LTD QTY	0	0
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	0	24
38060G	PCU GL 970-C-949 8% WAX SOLUTION 7#/GL 2/CS LTD QTY	0	0
37022	PCU GL 970-X-900 SPEED PATCH 8#/GL PATCHAID LTD QTY	0	0

228895	PCU DX 040-0081-DL MMA 50PPM METHYL METHACRYLATE 400#/DX	0	0
654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL	0	0
528737	PCU GL 941-CJ-018 CLEAR PATCH THINNER	0	0
38284G	PCU GL 970-XA-014 PATCHAID 5-10 MIN GEL TIME LTD QTY	0	0
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	0	6
yellow		0	630

January	February			
	8	9	14	14
month end inventory	Jan usage	Starting in quantity	month end inventory	Feb usage
8661	16214	13242	21185	25766
666	3625	1500	3500	4334
17638.6	13391		19400	1761.4
180	1000	500		320
0	0	0	0	0
0	0	0	0	0
48	500	0	507	459
40	0	45		5
0	500	0		459
135	135	0	135	135
0	0	0		0
0	0	0		0
1500	2625	2400	3150	4050
1720	2737	1350	4055	3685
1150	1641	1025	2500	2375
672	915	1225	1542	2095
1060	1280	1175	1590	1705
0	0			0
0	132		353	353
0	0			0
0	-315	315	315	630
10	6	4	13	7
3	1			-3
3	0	3	2	2
0	-270	270		270
666	954	500	496	330
0	0	750		0
550	850			200
0	0			0
128	320	64	256	192
136	400	40	448	352
112	56	64	128	80
0	0			0
0	0			0
0	0			0
0	0			0
0	500			0
750	-166	675	515	440
675	-166	675		0
750	-1000	1000		250
0	0			0
0	0			0
1000	320	1000		0





0  
0  
0  
0  
0  
630

0  
0  
0  
6  
630

9

0  
0  
6  
0

	March				April			
	15	20	21		20	21		
	Starting inv	Purchase	month end	inventory	March use	Starting inv	quantity	month end
				inventory				inventory
	8661	37994	24300		37994	8661	30412	24300
	666	7500	3250		4666	3500	1500	3250
	17638.6	0	0		0	17638.6	20300	0
	180	1014	500		1014	180	412	500
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	48	0	48		0	48	0	48
	40	0	0		0	40	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	1500	4950	2200		4950	1500	1356	2200
	1720	2435	2826		2435	1720	3710	2826
	1150	1500	1855		1500	1150	1500	1855
	672	2150	883		2150	672	1645	883
	1060	2620	1766		2620	1060	900	1766
	0	0	1100		-1100	1100	0	1100
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	10	4	0		4	10	7	0
	3	0	0		0	3	0	0
	3	0	0		0	3	0	0
	0	0	0		-90	90	0	90
	666	2452	2000		1118	2000	0	2000
	0	0	0		0	0	0	0
	550	1100	1236		-600	2250	0	1236
	0	0	0		0	0	0	0
	128	416	112		416	128	288	112
	136	416	140		416	136	288	140
	112	64	112		64	112	64	112
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	0	0	151		0	0	0	151
	0	0	0		0	0	0	0
	0	0	0		0	0	0	0
	750	0	1943		0	750	1548	1943
	675	510	2473		510	675	1036	2473
	750	0	353		0	750	524	353
	0	0	0		0	0	0	0
	0	0	50		0	0	0	50
	1000	0	706		0	1000	0	706





750	1400	1400		750	1400	0	1400
0	0	0		0	0	0	0
0	6	0		6	0	6	0
4	0	4		0	4	5	4
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
300	960	550		760	500	0	550
2400	1480	550		1480	2400	0	550
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
1990	5110	2400		5110	1990	4380	2400
2	0	4		0	2	1	4
0	0	0		0	0	0	0
2	9	4		9	2	5	4
0	0	0		0	0	0	0

0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	0	0
0	0	0		0	0	12	0
0	18	0		18	0	0	0
0	0	0		0	0	0	0



	May				Jun			
	26	27	month end inventory		32	33	month end inventory	
	Starting in	Purchase	Starting in	quantity	Starting in	quantity	Starting in	quantity
	14773	24300	16876	23195	24300	16876	30914	
	1750	3250	1500	2666	3250	1500	1000	
	16527.6	21411	0	15498	5913	15498	19900	
	92	500	0	0	-407	907	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	48	507	555	48	507	0	
	40	0	0	0	0	0	0	
	0	0	0	0	48	0	0	
	-135	135	0	90	0	135	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	656	2200	4557	3416	2200	4557	2700	
	2604	2826	1970	1970	2826	1970	3906	
	795	1855	1000	1750	1355	1500	2000	
	1434	883	1120	750	883	1120	2720	
	194	1766	1050	1666	2816	0	3180	
	0	1100	0	1100	1100	0	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	17	0	4	8	0	4	8	
	3	0	0	3	0	0	0	
	4	3	2	2	3	2	4	
	90	0	0	0	0	0	0	
	0	2000	0	2000	0	2000	0	
	0	0	0	0	0	0	0	
	584	1666	0	1666	0	1666	0	
	0	0	0	0	0	0	0	
	288	128	288	160	256	160	160	
	288	136	256	96	136	256	352	
	64	112	32	112	32	112	64	
	0	0	0	0	-64	64	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	
	0	0	64	0	64	0	0	
	-50	50	522	0	50	522	0	
	355	1943	0	2166	-223	2166	3116	
	-762	2473	1036	2333	1176	2333	0	
	921	353	0	333	20	333	520	
	-530	530	1050	0	530	1050	530	
	0	0	0	0	0	0	0	
	-325	1325	0	0	825	500	0	





0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
12	0	12	0	0	0	0	12	0	0
35	280	0	280	CHECK	-125	405	0	0	0
				CHECK					

ne

July

month end inventory

June usage Starting in Purchase q month end Inventory

CHECK  
CHECK

30800  
1666  
9227.15

38  
19710  
1985  
35398

39  
28080  
515  
0

11200  
1000  
0

600

907

2028

0

0

0

0

0

0

0

0

430

507

0

0

0

0

0

966

90

507

0

0

0

135

0

0

0

0

0

0

4166

7243.9

13.1  
2700

3332

2876

3000  
2120

1998

2250

1250  
500

1666

1340

2500  
2240

3750

0

3250  
0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

4

12

0

270

8

0

0

0

4

6

0

1146.75

0

0

0

0

2000

0

2000  
489

0

0

0

0

1666

1666

0

0

0

0

0

0

80

200

120  
224

152

488

120  
0

144

56

120  
0

0

64

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

12.19725

0

0

0

0

0

522

0

0

666

1116

4166  
0

0

0

2833  
0

2333

353

500  
0

535

1580

0

0

0

0

0

0

332

0

666

0

CHECK

CHECK  
CHECK  
CHECK

CHECK  
CHECK  
CHECK

CHECK

CHECK

CHECK

CHECK

CHECK  
CHECK  
CHECK



750	667	333	0	CHECK
750	0	1120	0	CHECK
750	0	800	0	CHECK
2000	2110	0	0	
2116	496	1750	0	CHECK
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
2000	500	0	0	
0	0	0	0	
400	1095	0	1028	
0	0	0	0	
2666	2762	0	0	CHECK
2000	2120	0	475	CHECK
1332	1990	0	0	
500	0	530	0	CHECK
0	0	0	0	
0	0	63.78432	0	
0	0	0	0	
0	1106.885	65.886	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	6.3384	0	CHECK
0	0	0	0	CHECK
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	24.3528	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	14.3448	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	

1470	0	700	0	0	0	
0	0	0	0	0	0	
0	0	0	0	168	0	
0	0	0	30.2325	24.186	0	CHECK
0	0	0	0	0	0	CHECK
0	0	0	0	0	0	
0	0	0	250	0	0	
0	0	0	100	0	130	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
4500	0	0	18494	0	0	CHECK
0	0	0	0	5.06655	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
3285	6570	8315	1540	2174.238	0	CHECK
0	0	0	37.73016	25.15344	0	CHECK
0	0	0	0	10.94625	0	
0	0	0	20.7666	55.3776	0	CHECK
0	0	0	0	0	0	
0	0	0	0	0	150.12	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	28	0	33.1515	0	
0	0	0	0	0	0	
0	0	0	0	0	0	

0	0	0	0
0	0	0	32.943
0	0	0	36
0	0	0	0
0	12	0	33.1515
405	405	0	0

CHECK

45		46		August		52		53		Septe	
July usage	Starting im quantity	July usage	Starting im quantity	Aug usage	Starting im quantity	Aug usage	Starting im quantity	Aug usage	Starting im quantity	Aug usage	Starting im quantity
12832	26448	16800	5000	CHECK	24688	18560	5600	CHECK	24688	18560	5600
0	3500	0	0	CHECK	6250	2250	2000	CHECK	6250	2250	2000
0	0	0	0	0	0	0	19860	0	0	19860	0
2028	0	0	0	0	0	0	3042	0	0	3042	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
966	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	4166	3899	0	CHECK	4235	3830	2671	CHECK	4235	3830	2671
3620	1500	2120	0	CHECK	2430	1190	2120	CHECK	2430	1190	2120
417	1333	2000	0	CHECK	1548	1785	2000	CHECK	1548	1785	2000
4740	0	0	0	CHECK	0	1020	0	CHECK	0	1020	0
84	3166	0	0	CHECK	616	2550	0	CHECK	616	2550	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	329,847	405	0	CHECK	554,847	180	135	CHECK	554,847	180	135
0	0	0	0	CHECK	0	0	0	CHECK	0	0	0
1146.75	0	1720.125	0	CHECK	1720.125	0	2293.5	CHECK	1720.125	0	2293.5
0	0	0	0	0	0	0	0	0	0	0	0
0	2500	489	0	0	2989	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	500	0	0	CHECK	0	510	0	CHECK	0	510	0
0	0	0	0	0	0	0	0	0	0	0	0
40	304	256	0	CHECK	424	136	224	CHECK	424	136	224
0	176	0	0	CHECK	24	152	0	CHECK	24	152	0
0	408	0	0	CHECK	264	144	0	CHECK	264	144	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
12,19725	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
166	4000	0	0	CHECK	90	3910	0	CHECK	90	3910	0
167	2666	0	0	CHECK	1136	1530	0	CHECK	1136	1530	0
250	250	0	0	CHECK	0	1785	0	CHECK	0	1785	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
216	450	0	0	CHECK	0	510	0	CHECK	0	510	0





0	0	0	0
32.943	0	0	0
36	0	0	0
0	79.11324	0	0
33.1515	0	0	0
0	0	0	0

0	0	0	0
0	0	0	0
0	41.7	0	0
17.58072	61.53252	0	0
0	0	0	0
0	0	0	0

CHECK  
CHECK

umber

October

	59	60	Sept Usage Starting inv quantity	October
CHECK	12622	11538	11200	
CHECK	2577	1673	1000	
	19860	0	0	
	3042	0	3549	
	0	0	0	
	0	0	0	
	0	0	0	
	0	0	0	
	0	0	0	
	0	0	0	
	0	0	0	
CHECK	3464	3037	2700	
CHECK	1508	1802	1590	
CHECK	1902	1883	2000	
CHECK	0	1287	1680	
CHECK	233	2317	0	
	0	0	0	
	0	0	0	
	0	0	0	
	280	0	0	
CHECK	135	180	270	
	0	0	0	
	2293.5	0	1720.125	
	0	0	0	
	0	0	0	
CHECK	0	1030	0	
	0	0	0	
CHECK	256	104	192	
CHECK	32	120	0	
CHECK	105	39	0	
	0	0	0	
	0	0	0	
	0	0	0	
	0	0	12.19725	
	0	0	0	
	0	0	0	
CHECK	1593	2317	0	
CHECK	0	1883	0	
CHECK	69	1716	0	
	0	0	0	
	0	0	0	
	510	0	0	







	0	0	0
	0	0	0
CHECK	16.68	25.02	0
CHECK	8.79036	52.74216	0
	0	0	0
	0	0	0

			November				
	66	67	67	73	74		
	Oct Usage	Starting in	quantity	month end inventory	nov usage	Starting in	
CHECK	11072	11666	19600	CHECK	11570.01	19695.99	
	2673	0	2000	CHECK	1834	166	
	0	0	0		0	0	
	3549	0	0	CHECK	0	1514	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
	0	0	0		0	0	
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	0	0	0		0	0	
CHECK	2475	3262	2720	CHECK	4932	1050	
CHECK	1676	1716	2120	CHECK	2806	1030	
CHECK	1566	2317	2000	CHECK	2151	2166	
CHECK	1251	1716	2240	CHECK	1865	2091	
CHECK	0	3776	0	CHECK	2276	1500	
	0	0	0		0	0	
	0	0	0		0	0	
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CHECK	405	45	180		225	0	
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	0	0	0		0	0	
	0	0	0		0	0	
CHECK	0	1030	0	CHECK	30	1000	
	0	0	0		0	0	
CHECK	200	96	352	CHECK	136	312	
CHECK	0	136	0	CHECK	0	284	
CHECK	0	96	0	CHECK	0	114.4	
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	0	0	0		0	0	
	12.19725	0	0		0	0	
	0	0	0		0	0	
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CHECK	0	3862	0	CHECK	196	3666	
CHECK	0	1888	0	CHECK	0	2500	
CHECK	0	2188	0	CHECK	1188	1000	
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	0	0	0		0	0	
	0	0	0		0	0	





	0	0	0
	0	0	65.886
CHECK	0	25.02	0
CHECK	0	52.74216	0
	0	0	0
	0	0	0

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	52.74216	0	0
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December

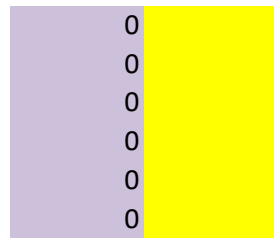
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0		0	0
0		0	1514
0		0	45
0		0	2480
0		0	270
0		0	0
0		0	0
1350		2400	39230.9
0		1030	30233
0		2166	19666
0		2091	18764
0		1500	13324
0		0	0
0		0	485
0		0	0
0		0	595
0		0	1365.847
0		0	1
0		0	10913.13
0		0	0
0		8.34	5399.34
0		0	0
0		1000	3730
0		0	0
0		312	3040
0		284	2420
0		114.4	835.4
0		80	80
0		0	0
0		0	0
0		0	24.3945
0		0	64
0		0	1022
0		3666	7233
0		2500	4561
0		1000	3051
0		0	1580
0		0	0
0		0	1546





0	0	3500
0	0	0
0	0	666
0	18.1395	129.93
0	0	282.726
0	0	0
0	0	250
0	0	100
0	0	520
0	0	0
0	0	5910
0	0	6880
0	16967	33451
0	0	32.08815
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0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	4015	49847.38
0	25.15344	101.3254
0	0	21.8925
0	13.8444	217.8216
0	1500	7807
0	3250	8273
0	3250	9065
0	0	14.57832
0	0	17.514
0	0	41.7
0	0	8.69862
0	0	8.34
0	14.5116	14.5116
0	1666	3876
0	0	3825
0	90	180
0	8.34	8.34
0	1500	1500
0	452	452
0	350	350
0	0	180.144
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0	0	0
0	0	131.1515
0	0	18
0	0	0

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0  
98.829  
77.7  
79.11324  
93.1515  
630

**Hazardous Air Pollutant (HAP) List**

## National Composites

CAS #	NAME
79345	1,1,2,2-Tetrachloroethane
79005	1,1,2-Trichloroethane
57147	1,1-Dimethylhydrazine
120821	1,2,4-Trichlorobenzene
96128	1,2-Dibromo-3-chloropropane
122667	1,2-Diphenylhydrazine
106887	1,2-Epoxybutane
75558	1,2-Propylenimine
106990	1,3-Butadiene
542756	1,3-Dichloropropene
1120714	1,3-Propane sultone
106467	1,4-Dichlorobenzene
123911	1,4-Dioxane
540841	2,2,4-Trimethylpentane
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
94757	2,4-D, salts and esters
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
584849	2,4-Toluene diisocyanate
53963	2-Acetylaminofluorene
532274	2-Chloroacetophenone
79469	2-Nitropropane
91941	3,3'-Dichlorobenzidene
119904	3,3'-Dimethoxybenzidine
119937	3,3-Dimethylbenzidine
101144	4,4'-Methylene bis(2-chloroaniline)
101779	4,4'-Methylenedianiline
534521	4,6-Dinitro-o-cresol, and salts
92671	4-Aminobiphenyl
60117	4-Dimethylaminoazobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
107028	Acrolein

**Hazardous Air Pollutant (HAP) List**

## National Composites

79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
62533	Aniline
7440360	Antimony compounds
7440382	Arsenic compounds
1332214	Asbestos
71432	Benzene
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chloride
7440417	Beryllium compounds
57578	beta-Propiolactone
92524	Biphenyl
117817	bis(2-Ethylhexyl)phthalate (DEHP)
542881	bis(Chloromethyl)ether
75252	Bromoform
7440439	Cadmium compounds
156627	Calcium cyanamide
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
7440473	Chromium compounds
7440484	Cobalt compounds
Coke	Coke oven emissions
1319773	Cresols/cresylic acid
98828	Cumene
Cyanide	Cyanide compounds
72559	DDE (p,p'-DDE)
334883	Diazomethane
132649	Dibenzofuran
84742	Dibutyl phthalate

**Hazardous Air Pollutant (HAP) List**

## National Composites

111444	Dichloroethyl ether
62737	Dichlorvos
111422	Diethanolamine
64675	Diethyl sulfite
68122	Dimethyl formamide
131113	Dimethyl phthalate
77781	Dimethyl sulfate
79447	Dimethylcarbamoyl chloride
106898	Epichlorohydrin
140885	Ethyl acrylate
51796	Ethyl carbamate
75003	Ethyl chloride
100414	Ethylbenzene
106934	Ethylene dibromide
107062	Ethylene dichloride
107211	Ethylene glycol
151564	Ethylene imine
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride
ASB	Fine mineral fibers
50000	Formaldehyde
GE	Glycol ethers
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride
123319	Hydroquinone
78591	Isophorone
7439921	Lead compounds
58899	Lindane
108316	Maleic anhydride
7439965	Manganese compounds
108394	m-Cresol
7439976	Mercury compounds
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide



**Hazardous Air Pollutant (HAP) List**

## National Composites

74873	Methyl chloride
71556	Methyl chloroform
60344	Methyl hydrazine
74884	Methyl iodide
108101	Methyl isobutyl ketone
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert-butyl ether
75092	Methylene chloride
101688	Methylene diphenyl diisocyanate
108383	m-Xylene
121697	N,N-Dimethylaniline
91203	Naphthalene
7440020	Nickel compounds
98953	Nitrobenzene
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
684935	N-Nitroso-N-methylurea
90040	o-Anisidine
95487	o-Cresol
95534	o-Toluidine
95476	o-Xylene
56382	Parathion
106445	p-Cresol
82688	Pentachloronitrobenzene
87865	Pentachlorophenol
108952	Phenol
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls
POM	Polycyclic organic matter
106503	p-Phenylenediamine
123386	Propionaldehyde
114261	Propoxur
78875	Propylene dichloride
75569	Propylene oxide
106423	p-Xylene
91225	Quinoline
106514	Quinone
RAD	Radionuclides
7782492	Selenium compounds
100425	Styrene
96093	Styrene oxide



**Hazardous Air Pollutant (HAP) List**

## National Composites

127184	Tetrachloroethylene
7550450	Titanium tetrachloride
108883	Toluene
95807	Toluene-2,4-diamine
8001352	Toxaphene
79016	Trichloroethylene
121448	Triethylamine
1582098	Trifluralin
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride
1330207	Xylenes

***Delisted***

78933	Methyl ethyl ketone
111762	butyl cellosolve



**Hazardous Air Pollutant (HAP) List**  
National Composites

Triethylamine

1582098

Trifluralin

540841

2,2,4-Trimethylpentane

108054

Vinyl acetate

593602

Vinyl bromide

75014

Vinyl chloride

75354

Vinylidene chloride (1,1-Dichloroethylene)

1330207

Xylenes (isomers and mixture)

95476

o-Xylenes

108383



**Hazardous Air Pollutant (HAP) List**

National Composites	
m-Xylenes	106423
p-Xylenes	N010
Antimony Compounds	N020
Arsenic Compounds (inorganic including arsine)	N050
Beryllium Compounds	5
	6
CAS No	
Chemical name	N078
Cadmium Compounds	N090
Chromium Compounds	N096
Cobalt Compounds	N106
Cyanide compounds	N230
Glycol ethers	N420
Lead Compounds	N450
Manganese Compounds	N458
Mercury Compounds	N495
Nickel Compounds	



Notes
(2-Methyl aziridine)
(1,4-Diethyleneoxide)
Original HAP list has incorrect CAS# 580841
(Dimethyl aminoazobenzene)





(bis(2-Chloroethyl)ether)
(l-Chloro-2,3-epoxypropane)
(Urethane)
(Chloroethane)
(Dibromoethane)
(1,2-Dichloroethane)
(Aziridine)
(1,1-Dichloroethane)
not including (EGBE, butyl cellosolve CAS # 111762), which was delisted 11/29/04)
(n-Hexane)
(Hydrofluoric acid)
(all isomers)
(cresol isomer)
(Bromomethane)



(Chloromethane)
(1,1,1-Trichloroethane)
(Iodomethane)
(Hexone)
(MTBE)
(Dichloromethane)
(MDI) - Current candidate for delisting
(xylene isomer)
(cresol isomer)
(xylene isomer)
(cresol isomer)
(Quintobenzene)
(Aroclors)
(includes dioxins and furans)
(Baygon)
(1,2-Dichloropropane)
(xylene isomer)
(including radon)



(Perchloroethylene)
(chlorinated camphene)
(1,1-Dichloroethylene)
(isomers and mixture)

(2-Butanone) - Delisted 12/13/05
Glycol Ether - delisted 11/29/2004



<b>CAS/ 313 Category Codes</b>	<b>NAME</b>
NA	--Except Barium Sulfate (under 313)
NA	Chlordane (Technical Mixture and Metabolites)
NA	Chlorinated Benzenes
NA	Chlorinated Ethanes
NA	Chlorinated Naphthalene
NA	Chloroalkyl Ethers
NA	Coke Oven Emissions
NA	--Except copper phthalocyanine compounds (under 313)
NA	--Except C.I. Pigment Blue 15 (under 313)
NA	--Except C.I. Pigment Green 7 (under 313)
NA	--Except C.I. Pigment Green 36 (under 313)
NA	DDT and Metabolites
NA	Dichlorobenzidine
NA	Diphenylhydrazine
NA	Endosulfan and Metabolites
NA	Endrin and Metabolites
NA	Fine mineral fibers
NA	Haloethers
NA	Halomethanes
NA	Heptachlor and Metabolites
NA	Nitrophenols
NA	Nitrosamines
NA	Organorhodium Complex (PMN-82-147)
NA	Phthalate Esters
NA	Polycyclic organic matter
NA	Polynuclear Aromatic Hydrocarbons
50000	Formaldehyde
50000	Formaldehyde (solution)
50077	Mitomycin C
50146	Ergocalciferol
50180	Cyclophosphamide
50293	DDT
50328	Benzo[a]pyrene
50555	Reserpine
51036	Piperonyl butoxide
51218	Fluorouracil
51218	5-Fluorouracil
51285	2,4-Dinitrophenol
51434	Epinephrine
51752	2-Chloro-N-(2-chloroethyl)-N-methylethanamine
51752	Mechlorethamine
51752	Nitrogen mustard
51796	Carbamic acid, ethyl ester
51796	Ethyl carbamate
51796	Urethane
51832	Carbachol chloride
52686	Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-,dimethyl es



52686	Trichlorfon
52857	Famphur
53703	Dibenz[a,h]anthracene
53963	2-Acetylaminofluorene
54115	Nicotine
54115	Nicotine and salts
54115	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-
54626	Aminopterin
55185	N-Nitrosodiethylamine
55210	Benzamide
55389	O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
55389	Fenthion
55630	Nitroglycerin
55914	Diisopropylfluorophosphate
55914	Isofluorphate
56042	Methylthiouracil
56235	Carbon tetrachloride
56257	Cantharidin
56359	Bis(tributyltin) oxide
56382	Parathion
56382	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
56495	3-Methylcholanthrene
56531	Diethylstilbestrol
56553	Benz[a]anthracene
56724	Coumaphos
57125	Cyanides (soluble salts and complexes)
57147	1,1-Dimethyl hydrazine
57147	Dimethylhydrazine
57147	Hydrazine, 1,1-dimethyl-
57249	Strychnine
57249	Strychnine, and salts
57330	Pentobarbital sodium
57410	Phenytoin
57476	Physostigmine
57578	beta-Propiolactone
57647	Physostigmine, salicylate (1:1)
57749	Chlordane
57749	4,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a
57976	7,12-Dimethylbenz[a]anthracene
58366	Phenoxarsine, 10,10'-oxydi-
58899	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.)
58899	Hexachlorocyclohexane (gamma isomer)
58899	Lindane
58902	2,3,4,6-Tetrachlorophenol
59507	p-Chloro-m-cresol
59881	Phenylhydrazine hydrochloride
59892	N-Nitrosomorpholine
60004	Ethylenediamine-tetraacetic acid (EDTA)

60093	4-Aminoazobenzene
60117	4-Dimethylaminoazobenzene
60117	Dimethylaminoazobenzene
60297	Ethane, 1,1'-oxybis-
60297	Ethyl ether
60344	Hydrazine, methyl-
60344	Methyl hydrazine
60355	Acetamide
60413	Strychnine, sulfate
60515	Dimethoate
60571	Dieldrin
61825	Amitrole
62384	Phenylmercuric acetate
62384	Phenylmercury acetate
62442	Phenacetin
62500	Ethyl methanesulfonate
62533	Aniline
62555	Thioacetamide
62566	Thiourea
62737	Dichlorvos
62737	Phosphoric acid, 2-dichloroethenyl dimethyl ester
62748	Fluoroacetic acid, sodium salt
62748	Sodium fluoroacetate
62759	Methanamine, N-methyl-N-nitroso-
62759	N-Nitrosodimethylamine
62759	Nitrosodimethylamine
63252	Carbaryl
63252	1-Naphthalenol, methylcarbamate
64006	Phenol, 3-(1-methylethyl)-, methylcarbamate
64186	Formic acid
64197	Acetic acid
64675	Diethyl sulfate
64755	Tetracycline hydrochloride
64868	Colchicine
65305	Nicotine sulfate
65850	Benzoic acid
66751	Uracil mustard
66819	Cycloheximide
67561	Methanol
67630	Isopropyl alcohol (mfg-strong acid process)
67641	Acetone
67663	Chloroform
67663	Methane, trichloro-
67721	Hexachloroethane
68122	Dimethylformamide
68122	N,N-Dimethylformamide
68768	2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-
68768	Triaziquone

70257	Guanidine, N-methyl-N'-nitro-N-nitroso-
70304	Hexachlorophene
70699	Propiophenone, 4'-amino
71363	n-Butyl alcohol
71432	Benzene
71556	Methyl chloroform
71556	1,1,1-Trichloroethane
71636	Digitoxin
72208	Endrin
72435	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-
72435	Methoxychlor
72548	DDD
72559	DDE
72571	Trypan blue
74828	Methane
74839	Bromomethane
74839	Methyl bromide
74840	Ethane
74851	Ethene
74851	Ethylene
74862	Acetylene
74862	Ethyne
74873	Chloromethane
74873	Methane, chloro-
74873	Methyl chloride
74884	Methyl iodide
74895	Methanamine
74895	Monomethylamine
74908	Hydrocyanic acid
74908	Hydrogen cyanide
74931	Methanethiol
74931	Methyl mercaptan
74931	Thiomethanol
74953	Methylene bromide
74986	Propane
74997	1-Propyne
74997	Propyne
75003	Chloroethane
75003	Ethane, chloro-
75003	Ethyl chloride
75014	Ethene, chloro-
75014	Vinyl chloride
75025	Ethene, fluoro-
75025	Vinyl fluoride
75047	Ethanamine
75047	Monoethylamine
75058	Acetonitrile
75070	Acetaldehyde

75081	Ethanethiol
75081	Ethyl mercaptan
75092	Dichloromethane
75092	Methylene chloride
75150	Carbon disulfide
75194	Cyclopropane
75207	Calcium carbide
75218	Ethylene oxide
75218	Oxirane
75252	Bromoform
75252	Tribromomethane
75274	Dichlorobromomethane
75285	Isobutane
75285	Propane, 2-methyl
75296	Isopropyl chloride
75296	Propane, 2-chloro-
75310	Isopropylamine
75310	2-Propanamine
75343	1,1-Dichloroethane
75343	Ethylidene Dichloride
75354	1,1-Dichloroethylene
75354	Ethene, 1,1-dichloro-
75354	Vinylidene chloride
75365	Acetyl chloride
75376	Difluoroethane
75376	Ethane, 1,1-difluoro-
75387	Ethene, 1,1-difluoro-
75387	Vinylidene fluoride
75434	Dichlorofluoromethane
75434	HCFC-21
75445	Carbonic dichloride
75445	Phosgene
75456	Chlorodifluoromethane
75456	HCFC-22
75503	Methanamine, N,N-dimethyl-
75503	Trimethylamine
75558	Aziridine, 2-methyl
75558	Propyleneimine
75569	Oxirane, methyl-
75569	Propylene oxide
75605	Cacodylic acid
75638	Bromotrifluoromethane
75638	Halon 1301
75649	tert-Butylamine
75650	tert-Butyl alcohol
75683	1-Chloro-1,1-difluoroethane
75683	HCFC-142b
75694	CFC-11

75694	Trichlorofluoromethane
75694	Trichloromonofluoromethane
75718	CFC-12
75718	Dichlorodifluoromethane
75729	CFC-13
75729	Chlorotrifluoromethane
75741	Plumbane, tetramethyl-
75741	Tetramethyllead
75763	Silane, tetramethyl-
75763	Tetramethylsilane
75774	Silane, chlorotrimethyl-
75774	Trimethylchlorosilane
75785	Dimethyldichlorosilane
75785	Silane, dichlorodimethyl-
75796	Methyltrichlorosilane
75796	Silane, trichloromethyl-
75865	Acetone cyanohydrin
75865	2-Methylactonitrile
75876	Acetaldehyde, trichloro-
75887	2-Chloro-1,1,1-trifluoroethane
75887	HCFC-133a
75990	2,2-Dichloropropionic acid
76017	Pentachloroethane
76028	Trichloroacetyl chloride
76062	Chloropicrin
76131	Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-
76131	Freon 113
76142	CFC-114
76142	Dichlorotetrafluoroethane
76153	CFC-115
76153	Monochloropentafluoroethane
76448	Heptachlor
76448	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-
76879	Triphenyltin hydroxide
77474	Hexachlorocyclopentadiene
77736	Dicyclopentadiene
77781	Dimethyl sulfate
77816	Tabun
78002	Tetraethyl lead
78342	Dioxathion
78488	DEF
78488	S,S,S-Tributyltrithiophosphate
78535	Amiton
78591	Isophorone
78717	Oxetane, 3,3-bis(chloromethyl)-
78784	Butane, 2-methyl-
78784	Isopentane
78795	1,3-Butadiene, 2-methyl-

78795	Isoprene
78819	iso-Butylamine
78820	Isobutyronitrile
78820	Propanenitrile, 2-methyl-
78831	Isobutyl alcohol
78842	Isobutyraldehyde
78875	1,2-Dichloropropane
78875	Propane 1,2-dichloro-
78886	2,3-Dichloropropene
78922	sec-Butyl alcohol
78933	Methyl ethyl ketone
78933	Methyl ethyl ketone (MEK)
78944	Methyl vinyl ketone
78977	Lactonitrile
78999	1,1-Dichloropropane
79005	1,1,2-Trichloroethane
79016	Trichloroethylene
79061	Acrylamide
79094	Propionic acid
79107	Acrylic acid
79118	Chloroacetic acid
79196	Thiosemicarbazide
79210	Ethaneperoxoic acid
79210	Peracetic acid
79221	Carbonochloridic acid, methylester
79221	Methyl chlorocarbonate
79221	Methyl chloroformate
79312	iso-Butyric acid
79345	1,1,2,2-Tetrachloroethane
79389	Ethene, chlorotrifluoro-
79389	Trifluorochloroethylene
79447	Dimethylcarbamyl chloride
79469	2-Nitropropane
79947	Tetrabromobisphenol A
80057	4,4'-Isopropylidenediphenol
80159	Cumene hydroperoxide
80159	Hydroperoxide, 1-methyl-1-phenylethyl-
80626	Methyl methacrylate
80637	Methyl 2-chloroacrylate
81072	Saccharin (manufacturing)
81072	Saccharin and salts
81812	Warfarin
81812	Warfarin, & salts, conc.>0.3%
81889	C.I. Food Red 15
82280	1-Amino-2-methylantraquinone
82666	Diphacinone
82688	PCNB
82688	Pentachloronitrobenzene

82688	Quintozene
83329	Acenaphthene
84662	Diethyl phthalate
84742	n-Butyl phthalate
84742	Dibutyl phthalate
85007	Diquat
85018	Phenanthrene
85449	Phthalic anhydride
85687	Butyl benzyl phthalate
86306	N-Nitrosodiphenylamine
86500	Azinphos-methyl
86500	Guthion
86737	Fluorene
86884	ANTU
86884	Thiourea, 1-naphthalenyl-
87627	2,6-Xylidine
87650	2,6-Dichlorophenol
87683	Hexachloro-1,3-butadiene
87683	Hexachlorobutadiene
87865	PCP
87865	Pentachlorophenol
88051	Aniline, 2,4,6-trimethyl-
88062	2,4,6-Trichlorophenol
88722	o-Nitrotoluene
88755	2-Nitrophenol
88857	Dinitrobutyl phenol
88857	Dinoseb
88891	Picric acid
90040	o-Anisidine
90437	2-Phenylphenol
90948	Michler's ketone
91087	Benzene, 1,3-diisocyanato-2-methyl-
91087	Toluene-2,6-diisocyanate
91203	Naphthalene
91225	Quinoline
91587	2-Chloronaphthalene
91598	beta-Naphthylamine
91667	N,N-Diethylaniline
91805	Methapyrilene
91930	3,3'-Dimethoxybenzidine-4,4'-diisocyanate
91941	3,3'-Dichlorobenzidine
91974	3,3'-Dimethyl-4,4'-diphenylene diisocyanate
92524	Biphenyl
92671	4-Aminobiphenyl
92875	Benzidine
92933	4-Nitrobiphenyl
93652	Mecoprop
93721	Silvex (2,4,5-TP)

93765	2,4,5-T acid
93798	2,4,5-T esters
94111	2,4-D Esters
94111	2,4-D isopropyl ester
94360	Benzoyl peroxide
94586	Dihydrosafrole
94597	Safrole
94746	(4-Chloro-2-methylphenoxy) acetic acid
94746	MCPA
94746	Methoxone
94757	Acetic acid, (2,4-dichlorophenoxy)-
94757	2,4-D
94757	2,4-D Acid
94757	2,4-D, salts and esters
94791	2,4-D Esters
94804	2,4-D butyl ester
94804	2,4-D Esters
94826	2,4-DB
95476	Benzene, o-dimethyl-
95476	o-Xylene
95487	o-Cresol
95501	o-Dichlorobenzene
95501	1,2-Dichlorobenzene
95534	o-Toluidine
95545	1,2-Phenylenediamine
95578	2-Chlorophenol
95636	1,2,4-Trimethylbenzene
95692	p-Chloro-o-toluidine
95807	2,4-Diaminotoluene
95943	1,2,4,5-Tetrachlorobenzene
95954	2,4,5-Trichlorophenol
96093	Styrene oxide
96128	DBCP
96128	1,2-Dibromo-3-chloropropane
96184	1,2,3-Trichloropropane
96333	Methyl acrylate
96457	Ethylene thiourea
97234	Dichlorophene
97234	2,2'-Methylenebis(4-chlorophenol
97563	C.I. Solvent Yellow 3
97632	Ethyl methacrylate
98011	Furfural
98055	Benzenearsonic acid
98077	Benzoic trichloride
98077	Benzotrichloride
98099	Benzenesulfonyl chloride
98135	Trichlorophenylsilane
98168	Benzenamine, 3-(trifluoromethyl)-



98828	Cumene
98862	Acetophenone
98873	Benzal chloride
98884	Benzoyl chloride
98953	Nitrobenzene
99081	m-Nitrotoluene
99309	Dichloran
99309	2,6-Dichloro-4-nitroaniline
99354	1,3,5-Trinitrobenzene
99558	5-Nitro-o-toluidine
99592	5-Nitro-o-anisidine
99650	m-Dinitrobenzene
99989	Dimethyl-p-phenylenediamine
99990	p-Nitrotoluene
100016	p-Nitroaniline
100027	4-Nitrophenol
100027	p-Nitrophenol
100141	Benzene, 1-(chloromethyl)-4-nitro-
100254	p-Dinitrobenzene
100414	Ethylbenzene
100425	Styrene
100447	Benzyl chloride
100470	Benzonitrile
100754	N-Nitrosopiperidine
101053	Anilazine
101053	4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine
101144	MBOCA
101144	4,4'-Methylenebis(2-chloroaniline)
101279	Barban
101553	4-Bromophenyl phenyl ether
101611	4,4'-Methylenebis(N,N-dimethyl)benzenamine
101688	MDI
101688	Methylenebis(phenylisocyanate)
101779	4,4'-Methylenedianiline
101804	4,4'-Diaminodiphenyl ether
101906	Diglycidyl resorcinol ether
102363	Isocyanic acid, 3,4-dichlorophenyl ester
103855	Phenylthiourea
104121	p-Chlorophenyl isocyanate
104494	1,4-Phenylene diisocyanate
104949	p-Anisidine
105464	sec-Butyl acetate
105679	2,4-Dimethylphenol
106423	Benzene, p-dimethyl-
106423	p-Xylene
106445	p-Cresol
106467	1,4-Dichlorobenzene
106478	p-Chloroaniline

106490	p-Toluidine
106503	p-Phenylenediamine
106514	p-Benzoquinone
106514	Quinone
106887	1,2-Butylene oxide
106898	Epichlorohydrin
106898	Oxirane, (chloromethyl)-
106934	1,2-Dibromoethane
106934	Ethylene dibromide
106967	Propargyl bromide
106978	Butane
106989	1-Butene
106990	1,3-Butadiene
107006	1-Butyne
107006	Ethyl acetylene
107017	2-Butene
107028	Acrolein
107028	2-Propenal
107051	Allyl chloride
107062	1,2-Dichloroethane
107062	Ethylene dichloride
107073	Chloroethanol
107108	n-Propylamine
107119	Allylamine
107119	2-Propen-1-amine
107120	Ethyl cyanide
107120	Propanenitrile
107120	Propionitrile
107131	Acrylonitrile
107131	2-Propenenitrile
107153	1,2-Ethanediamine
107153	Ethylenediamine
107164	Formaldehyde cyanohydrin
107186	Allyl alcohol
107186	2-Propen-1-ol
107197	Propargyl alcohol
107200	Chloroacetaldehyde
107211	Ethylene glycol
107255	Ethene, methoxy-
107255	Vinyl methyl ether
107302	Chloromethyl methyl ether
107302	Methane, chloromethoxy-
107313	Formic acid, methyl ester
107313	Methyl formate
107448	Sarin
107493	TEPP
107493	Tetraethyl pyrophosphate
107926	Butyric acid

108054	Acetic acid ethenyl ester
108054	Vinyl acetate
108054	Vinyl acetate monomer
108101	Methyl isobutyl ketone
108236	Carbonochloridic acid, 1-methylethyl ester
108236	Isopropyl chloroformate
108247	Acetic anhydride
108316	Maleic anhydride
108383	Benzene, m-dimethyl-
108383	m-Xylene
108394	m-Cresol
108452	1,3-Phenylenediamine
108463	Resorcinol
108601	Bis(2-chloro-1-methylethyl)ether
108601	Dichloroisopropyl ether
108883	Toluene
108907	Chlorobenzene
108918	Cyclohexanamine
108918	Cyclohexylamine
108930	Cyclohexanol
108941	Cyclohexanone
108952	Phenol
108985	Benzenethiol
108985	Thiophenol
109068	2-Methylpyridine
109068	2-Picoline
109615	Carbonochloridic acid, propylester
109615	Propyl chloroformate
109660	Pentane
109671	1-Pentene
109739	Butylamine
109773	Malononitrile
109864	2-Methoxyethanol
109897	Diethylamine
109922	Ethene, ethoxy-
109922	Vinyl ethyl ether
109955	Ethyl nitrite
109955	Nitrous acid, ethyl ester
109999	Furan, tetrahydro-
110009	Furan
110167	Maleic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110543	Hexane
110543	n-Hexane
110576	trans-1,4-Dichloro-2-butene
110576	trans-1,4-Dichlorobutene
110758	2-Chloroethyl vinyl ether

110805	Ethanol, 2-ethoxy-
110805	2-Ethoxyethanol
110827	Cyclohexane
110861	Pyridine
110894	Piperidine
111422	Diethanolamine
111444	Bis(2-chloroethyl) ether
111444	Dichloroethyl ether
111546	Ethylenebisdithiocarbamic acid, salts & esters
111693	Adiponitrile
111911	Bis(2-chloroethoxy) methane
114261	Phenol, 2-(1-methylethoxy)-, methylcarbamate
114261	Propoxur
115026	Azaserine
115071	Propene
115071	1-Propene
115071	Propylene
115106	Methane, oxybis-
115106	Methyl ether
115117	2-Methylpropene
115117	1-Propene, 2-methyl-
115219	Trichloroethylsilane
115264	Dimefox
115286	Chlorendic acid
115297	Endosulfan
115322	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(t
115322	Dicofol
115902	Fensulfothion
116063	Aldicarb
116143	Ethene, tetrafluoro-
116143	Tetrafluoroethylene
117793	2-Aminoanthraquinone
117806	Dichlone
117817	Bis(2-ethylhexyl)phthalate
117817	DEHP
117817	Di(2-ethylhexyl) phthalate
117840	Di-n-octyl phthalate
117840	n-Dioctylphthalate
118741	Hexachlorobenzene
119380	Isopropylmethylpyrazolyl dimethylcarbamate
119904	3,3'-Dimethoxybenzidine
119937	3,3'-Dimethylbenzidine
119937	o-Tolidine
120127	Anthracene
120365	2,4-DP
120581	Isosafrole
120718	p-Cresidine
120809	Catechol

98828	Cumene
98862	Acetophenone
98873	Benzal chloride
98884	Benzoyl chloride
98953	Nitrobenzene
99081	m-Nitrotoluene
99309	Dichloran
99309	2,6-Dichloro-4-nitroaniline
99354	1,3,5-Trinitrobenzene
99558	5-Nitro-o-toluidine
99592	5-Nitro-o-anisidine
99650	m-Dinitrobenzene
99989	Dimethyl-p-phenylenediamine
99990	p-Nitrotoluene
100016	p-Nitroaniline
100027	4-Nitrophenol
100027	p-Nitrophenol
100141	Benzene, 1-(chloromethyl)-4-nitro-
100254	p-Dinitrobenzene
100414	Ethylbenzene
100425	Styrene
100447	Benzyl chloride
100470	Benzonitrile
100754	N-Nitrosopiperidine
101053	Anilazine
101053	4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine
101144	MBOCA
101144	4,4'-Methylenebis(2-chloroaniline)
101279	Barban
101553	4-Bromophenyl phenyl ether
101611	4,4'-Methylenebis(N,N-dimethyl)benzenamine
101688	MDI
101688	Methylenebis(phenylisocyanate)
101779	4,4'-Methylenedianiline
101804	4,4'-Diaminodiphenyl ether
101906	Diglycidyl resorcinol ether
102363	Isocyanic acid, 3,4-dichlorophenyl ester
103855	Phenylthiourea
104121	p-Chlorophenyl isocyanate
104494	1,4-Phenylene diisocyanate
104949	p-Anisidine
105464	sec-Butyl acetate
105679	2,4-Dimethylphenol
106423	Benzene, p-dimethyl-
106423	p-Xylene
106445	p-Cresol
106467	1,4-Dichlorobenzene
106478	p-Chloroaniline

106490	p-Toluidine
106503	p-Phenylenediamine
106514	p-Benzoquinone
106514	Quinone
106887	1,2-Butylene oxide
106898	Epichlorohydrin
106898	Oxirane, (chloromethyl)-
106934	1,2-Dibromoethane
106934	Ethylene dibromide
106967	Propargyl bromide
106978	Butane
106989	1-Butene
106990	1,3-Butadiene
107006	1-Butyne
107006	Ethyl acetylene
107017	2-Butene
107028	Acrolein
107028	2-Propenal
107051	Allyl chloride
107062	1,2-Dichloroethane
107062	Ethylene dichloride
107073	Chloroethanol
107108	n-Propylamine
107119	Allylamine
107119	2-Propen-1-amine
107120	Ethyl cyanide
107120	Propanenitrile
107120	Propionitrile
107131	Acrylonitrile
107131	2-Propenenitrile
107153	1,2-Ethanediamine
107153	Ethylenediamine
107164	Formaldehyde cyanohydrin
107186	Allyl alcohol
107186	2-Propen-1-ol
107197	Propargyl alcohol
107200	Chloroacetaldehyde
107211	Ethylene glycol
107255	Ethene, methoxy-
107255	Vinyl methyl ether
107302	Chloromethyl methyl ether
107302	Methane, chloromethoxy-
107313	Formic acid, methyl ester
107313	Methyl formate
107448	Sarin
107493	TEPP
107493	Tetraethyl pyrophosphate
107926	Butyric acid

108054	Acetic acid ethenyl ester
108054	Vinyl acetate
108054	Vinyl acetate monomer
108101	Methyl isobutyl ketone
108236	Carbonochloridic acid, 1-methylethyl ester
108236	Isopropyl chloroformate
108247	Acetic anhydride
108316	Maleic anhydride
108383	Benzene, m-dimethyl-
108383	m-Xylene
108394	m-Cresol
108452	1,3-Phenylenediamine
108463	Resorcinol
108601	Bis(2-chloro-1-methylethyl)ether
108601	Dichloroisopropyl ether
108883	Toluene
108907	Chlorobenzene
108918	Cyclohexanamine
108918	Cyclohexylamine
108930	Cyclohexanol
108941	Cyclohexanone
108952	Phenol
108985	Benzenethiol
108985	Thiophenol
109068	2-Methylpyridine
109068	2-Picoline
109615	Carbonochloridic acid, propylester
109615	Propyl chloroformate
109660	Pentane
109671	1-Pentene
109739	Butylamine
109773	Malononitrile
109864	2-Methoxyethanol
109897	Diethylamine
109922	Ethene, ethoxy-
109922	Vinyl ethyl ether
109955	Ethyl nitrite
109955	Nitrous acid, ethyl ester
109999	Furan, tetrahydro-
110009	Furan
110167	Maleic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110543	Hexane
110543	n-Hexane
110576	trans-1,4-Dichloro-2-butene
110576	trans-1,4-Dichlorobutene
110758	2-Chloroethyl vinyl ether

110805	Ethanol, 2-ethoxy-
110805	2-Ethoxyethanol
110827	Cyclohexane
110861	Pyridine
110894	Piperidine
111422	Diethanolamine
111444	Bis(2-chloroethyl) ether
111444	Dichloroethyl ether
111546	Ethylenebisdithiocarbamic acid, salts & esters
111693	Adiponitrile
111911	Bis(2-chloroethoxy) methane
114261	Phenol, 2-(1-methylethoxy)-, methylcarbamate
114261	Propoxur
115026	Azaserine
115071	Propene
115071	1-Propene
115071	Propylene
115106	Methane, oxybis-
115106	Methyl ether
115117	2-Methylpropene
115117	1-Propene, 2-methyl-
115219	Trichloroethylsilane
115264	Dimefox
115286	Chlorendic acid
115297	Endosulfan
115322	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(t
115322	Dicofol
115902	Fensulfothion
116063	Aldicarb
116143	Ethene, tetrafluoro-
116143	Tetrafluoroethylene
117793	2-Aminoanthraquinone
117806	Dichlone
117817	Bis(2-ethylhexyl)phthalate
117817	DEHP
117817	Di(2-ethylhexyl) phthalate
117840	Di-n-octyl phthalate
117840	n-Dioctylphthalate
118741	Hexachlorobenzene
119380	Isopropylmethylpyrazolyl dimethylcarbamate
119904	3,3'-Dimethoxybenzidine
119937	3,3'-Dimethylbenzidine
119937	o-Tolidine
120127	Anthracene
120365	2,4-DP
120581	Isosafrole
120718	p-Cresidine
120809	Catechol



120821	1,2,4-Trichlorobenzene
120832	2,4-Dichlorophenol
121142	2,4-Dinitrotoluene
121211	Pyrethrins
121299	Pyrethrins
121448	Triethylamine
121697	N,N-Dimethylaniline
121755	Malathion
122098	Benzeneethanamine, alpha,alpha-dimethyl-
122349	Simazine
122394	Diphenylamine
122429	Propham
122667	1,2-Diphenylhydrazine
122667	Hydrazine, 1,2-diphenyl-
122667	Hydrazobenzene
123319	Hydroquinone
123331	Maleic hydrazide
123386	Propionaldehyde
123615	1,3-Phenylene diisocyanate
123626	Propionic anhydride
123637	Paraldehyde
123728	Butyraldehyde
123739	2-Butenal, (e)-
123739	Crotonaldehyde, (E)-
123864	Butyl acetate
123911	1,4-Dioxane
123922	iso-Amyl acetate
124049	Adipic acid
124403	Dimethylamine
124403	Methanamine, N-methyl-
124414	Sodium methylate
124481	Chlorodibromomethane
124652	Sodium cacodylate
124732	Dibromotetrafluoroethane
124732	Halon 2402
124878	Picrotoxin
126727	Tris(2,3-dibromopropyl) phosphate
126987	Methacrylonitrile
126987	2-Propenenitrile, 2-methyl-
126998	Chloroprene
127184	Perchloroethylene
127184	Tetrachloroethylene
127822	Zinc phenolsulfonate
128030	Potassium dimethyldithiocarbamate
128041	Sodium dimethyldithiocarbamate
128665	C.I. Vat Yellow 4
129000	Pyrene
129066	Warfarin sodium

130154	1,4-Naphthoquinone
131113	Dimethyl phthalate
131522	Sodium pentachlorophenate
131748	Ammonium picrate
131895	2-Cyclohexyl-4,6-dinitrophenol
132274	Sodium o-phenylphenoxide
132649	Dibenzofuran
133062	Captan
133062	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloro
133073	Folpet
133904	Benzoic acid, 3-amino-2,5-dichloro-
133904	Chloramben
134292	o-Anisidine hydrochloride
134327	alpha-Naphthylamine
135206	Benzeneamine, N-hydroxy-N-nitroso, ammonium salt
135206	Cupferron
136458	Dipropyl isocinchomeronate
137268	Thiram
137304	Ziram
137417	Potassium N-methyldithiocarbamate
137428	Metham sodium
137428	Sodium methyldithiocarbamate
138932	Disodium cyanodithioimidocarbonate
139139	Nitrilotriacetic acid
139253	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate
139651	4,4'-Thiodianiline
140294	Benzyl cyanide
140761	Pyridine, 2-methyl-5-vinyl-
140885	Ethyl acrylate
141322	Butyl acrylate
141662	Dicrotophos
141786	Ethyl acetate
142289	1,3-Dichloropropane
142596	Nabam
142712	Cupric acetate
142847	Dipropylamine
143339	Sodium cyanide (Na(CN))
143500	Kepone
144490	Fluoroacetic acid
145733	Endothall
148798	Thiabendazole
148798	2-(4-Thiazolyl)-1H-benzimidazole
148823	Melphalan
149304	MBT
149304	2-Mercaptobenzothiazole
149746	Dichloromethylphenylsilane
150505	Merphos
150685	Monuron

151382	Methoxyethylmercuric acetate
151508	Potassium cyanide
151564	Aziridine
151564	Ethyleneimine
152169	Diphosphoramidate, octamethyl-
156105	p-Nitrosodiphenylamine
156605	1,2-Dichloroethylene
156627	Calcium cyanamide
189559	Benzo(rst)pentaphene
189559	Dibenz[a,i]pyrene
189640	Dibenzo(a,h)pyrene
191242	Benzo[g,h,i]perylene
191300	Dibenzo(a,l)pyrene
192654	Dibenzo(a,e)pyrene
193395	Indeno(1,2,3-cd)pyrene
194592	7H-Dibenzo(c,g)carbazole
205823	Benzo(j)fluoranthene
205992	Benzo[b]fluoranthene
206440	Fluoranthene
207089	Benzo(k)fluoranthene
208968	Acenaphthylene
218019	Benzo(a)phenanthrene
218019	Chrysene
224420	Dibenz(a,j)acridine
225514	Benzo[c]acridine
226368	Dibenz(a,h)acridine
297789	Isobenzan
297972	O,O-Diethyl O-pyrazinyl phosphorothioate
297972	Thionazin
298000	Methyl parathion
298000	Parathion-methyl
298022	Phorate
298044	Disulfoton
300629	Amphetamine
300765	Naled
301042	Lead acetate
301122	S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid
301122	Oxydemeton methyl
302012	Hydrazine
303344	Lasiocarpine
305033	Chlorambucil
306832	2,2-Dichloro-1,1,1-trifluoroethane
306832	HCFC-123
309002	Aldrin
309002	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4
311455	Diethyl-p-nitrophenyl phosphate
314409	Bromacil
314409	5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidines

315184	Mexacarbate
316427	Emetine, dihydrochloride
319846	alpha-BHC
319846	alpha-Hexachlorocyclohexane
319857	beta-BHC
319868	delta-BHC
327980	Trichloronate
329715	2,5-Dinitrophenol
330541	Diuron
330552	Linuron
333415	Diazinon
334883	Diazomethane
353424	Boron trifluoride compound with methyl ether (1:1)
353424	Boron, trifluoro[oxybis[methane]]-, (T-4)-
353504	Carbonic difluoride
353593	Bromochlorodifluoromethane
353593	Halon 1211
354110	HCFC-121a
354110	1,1,1,2-Tetrachloro-2-fluoroethane
354143	HCFC-121
354143	1,1,2,2-Tetrachloro-1-fluoroethane
354234	1,2-Dichloro-1,1,2-trifluoroethane
354234	HCFC-123a
354256	1-Chloro-1,1,2,2-tetrafluoroethane
354256	HCFC-124a
357573	Brucine
359068	Fluoroacetyl chloride
371620	Ethylene fluorohydrin
379793	Ergotamine tartrate
422446	1,2-Dichloro-1,1,2,3,3-pentafluoropropane
422446	HCFC-225bb
422480	2,3-Dichloro-1,1,1,2,3-pentafluoropropane
422480	HCFC-225ba
422560	3,3-Dichloro-1,1,1,2,2-pentafluoropropane
422560	HCFC-225ca
431867	1,2-Dichloro-1,1,3,3,3-pentafluoropropane
431867	HCFC-225da
460195	Cyanogen
460195	Ethanedinitrile
460355	3-Chloro-1,1,1-trifluoropropane
460355	HCFC-253fb
463490	1,2-Propadiene
463490	Propadiene
463581	Carbon oxide sulfide (COS)
463581	Carbonyl sulfide
463821	2,2-Dimethylpropane
463821	Propane, 2,2-dimethyl-
465736	Isodrin

470906	Chlorfenvinfos
492808	Auramine
492808	C.I. Solvent Yellow 34
494031	Chlornaphazine
496720	Diaminotoluene
502396	Methylmercuric dicyanamide
504245	4-Aminopyridine
504245	Pyridine, 4-amino-
504609	1,3-Pentadiene
505602	Ethane, 1,1'-thiobis[2-chloro-
505602	Mustard gas
506616	Potassium silver cyanide
506649	Silver cyanide
506683	Cyanogen bromide
506774	Cyanogen chloride
506774	Cyanogen chloride ((CN)Cl)
506785	Cyanogen iodide
506876	Ammonium carbonate
506967	Acetyl bromide
507551	1,3-Dichloro-1,1,2,2,3-pentafluoropropane
507551	HCFC-225cb
509148	Methane, tetranitro-
509148	Tetranitromethane
510156	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.
510156	Chlorobenzilate
513495	sec-Butylamine
514738	Dithiazanine iodide
528290	o-Dinitrobenzene
532274	2-Chloroacetophenone
533744	Dazomet
533744	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
534076	Bis(chloromethyl) ketone
534521	4,6-Dinitro-o-cresol
534521	Dinitrocresol
534521	4,6-Dinitro-o-cresol and salts
535897	Crimidine
538078	Ethylbis(2-chloroethyl)amine
540590	1,2-Dichloroethylene
540738	Hydrazine, 1,2-dimethyl-
540841	2,2,4-Trimethylpentane
540885	tert-Butyl acetate
541093	Uranyl acetate
541253	Lewisite
541413	Ethyl chloroformate
541537	Dithiobiuret
541537	2,4-Dithiobiuret
541731	1,3-Dichlorobenzene
542621	Barium cyanide

542756	1,3-Dichloropropene
542756	1,3-Dichloropropylene
542767	3-Chloropropionitrile
542767	Propionitrile, 3-chloro-
542881	Bis(chloromethyl) ether
542881	Chloromethyl ether
542881	Dichloromethyl ether
542881	Methane, oxybis[chloro-
542905	Ethylthiocyanate
543908	Cadmium acetate
544183	Cobaltous formate
544923	Copper cyanide
554132	Lithium carbonate
554847	m-Nitrophenol
555771	Tris(2-chloroethyl)amine
556616	Isothiocyanatomethane
556616	Methyl isothiocyanate
556649	Methyl thiocyanate
556649	Thiocyanic acid, methyl ester
557197	Nickel cyanide
557211	Zinc cyanide
557346	Zinc acetate
557415	Zinc formate
557982	2-Chloropropylene
557982	1-Propene, 2-chloro-
558258	Methanesulfonyl fluoride
563122	Ethion
563417	Semicarbazide hydrochloride
563451	3-Methyl-1-butene
563462	2-Methyl-1-butene
563473	3-Chloro-2-methyl-1-propene
563688	Thallium(I) acetate
569642	C.I. Basic Green 4
573568	2,6-Dinitrophenol
584849	Benzene, 2,4-diisocyanato-1-methyl-
584849	Toluene-2,4-diisocyanate
590181	2-Butene-cis
590216	1-Chloropropylene
590216	1-Propene, 1-chloro-
591082	1-Acetyl-2-thiourea
592018	Calcium cyanide
592041	Mercuric cyanide
592858	Mercuric thiocyanate
592870	Lead thiocyanate
593602	Vinyl bromide
594423	Methanesulfonyl chloride, trichloro-
594423	Perchloromethyl mercaptan
594423	Trichloromethanesulfonyl chloride

597648	Tetraethyltin
598312	Bromoacetone
598732	Bromotrifluoroethylene
598732	Ethene, bromotrifluoro-
606202	2,6-Dinitrotoluene
608731	Hexachlorocyclohexane (all isomers)
608935	Pentachlorobenzene
609198	3,4,5-Trichlorophenol
610399	3,4-Dinitrotoluene
612828	3,3'-Dimethylbenzidine dihydrochloride
612828	o-Tolidine dihydrochloride
612839	3,3'-Dichlorobenzidine dihydrochloride
614788	Thiourea, (2-methylphenyl)-
615054	2,4-Diaminoanisole
615281	1,2-Phenylenediamine dihydrochloride
615532	N-Nitroso-N-methylurethane
621647	Di-n-propylnitrosamine
621647	N-Nitrosodi-n-propylamine
624180	1,4-Phenylenediamine dihydrochloride
624646	2-Butene, (E)
624646	2-Butene-trans
624839	Methane, isocyanato-
624839	Methyl isocyanate
625161	tert-Amyl acetate
626380	sec-Amyl acetate
627112	Chloroethyl chloroformate
627203	2-Pentene, (Z)-
628637	Amyl acetate
628864	Mercury fulminate
630104	Selenourea
630206	Ethane, 1,1,1,2-tetrachloro-
630206	1,1,1,2-Tetrachloroethane
630604	Ouabain
631618	Ammonium acetate
636215	o-Toluidine hydrochloride
639587	Triphenyltin chloride
640197	Fluoroacetamide
644644	Dimetilan
646048	2-Pentene, (E)-
675149	Cyanuric fluoride
676971	Methyl phosphonic dichloride
680319	Hexamethylphosphoramide
684935	N-Nitroso-N-methylurea
689974	1-Buten-3-yne
689974	Vinyl acetylene
692422	Diethylarsine
696286	Dichlorophenylarsine
696286	Phenyl dichloroarsine

709988	N-(3,4-Dichlorophenyl)propanamide
709988	Propanil
757584	Hexaethyl tetraphosphate
759739	N-Nitroso-N-ethylurea
759944	EPTC
759944	Ethyl dipropylthiocarbamate
760930	Methacrylic anhydride
764410	2-Butene, 1,4-dichloro-
764410	1,4-Dichloro-2-butene
765344	Glycidylaldehyde
786196	Carbophenothion
812044	1,1-Dichloro-1,2,2-trifluoroethane
812044	HCFC-123b
814493	Diethyl chlorophosphate
814686	Acrylyl chloride
814686	2-Propenoyl chloride
815827	Cupric tartrate
822060	Hexamethylene-1,6-diisocyanate
823405	Diaminotoluene
824113	Trimethylolpropane phosphite
834128	Ametryn
834128	N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-di
842079	C.I. Solvent Yellow 14
872504	N-Methyl-2-pyrrolidone
900958	Stannane, acetoxyltriphenyl-
919868	Demeton-S-methyl
920467	Methacryloyl chloride
924163	N-Nitrosodi-n-butylamine
924425	N-Methylolacrylamide
930552	N-Nitrosopyrrolidine
933755	2,3,6-Trichlorophenol
933788	2,3,5-Trichlorophenol
944229	Fonofos
947024	Phosfolan
950107	Mephosfolan
950378	Methidathion
957517	Diphenamid
959988	alpha - Endosulfan
961115	Phosphoric acid, 2-chloro-1-(2,3,5-trichlorophenyl) ethenyl dir
961115	Tetrachlorvinphos
989388	C.I. Basic Red 1
991424	Norbormide
998301	Triethoxysilane
999815	Chlormequat chloride
1024573	Heptachlor epoxide
1031078	Endosulfan sulfate
1031476	Triamiphos
1066304	Chromic acetate



1066337	Ammonium bicarbonate
1066451	Trimethyltin chloride
1072351	Lead stearate
1111780	Ammonium carbamate
1114712	Butylethylcarbamothioic acid S-propyl ester
1114712	Pebulate
1116547	N-Nitrosodiethanolamine
1120714	1,3-Propane sultone
1120714	Propane sultone
1122607	Nitrocyclohexane
1124330	Pyridine, 4-nitro-, 1-oxide
1129415	Metolcarb
1134232	Cycloate
1163195	Decabromodiphenyl oxide
1185575	Ferric ammonium citrate
1194656	Dichlobenil
1300716	Xylenol
1303282	Arsenic pentoxide
1303328	Arsenic disulfide
1303339	Arsenic trisulfide
1306190	Cadmium oxide
1309644	Antimony trioxide
1310583	Potassium hydroxide
1310732	Sodium hydroxide
1313275	Molybdenum trioxide
1314201	Thorium dioxide
1314325	Thallic oxide
1314621	Vanadium pentoxide
1314803	Sulfur phosphide
1314847	Zinc phosphide
1314847	Zinc phosphide (conc. <= 10%)
1314847	Zinc phosphide (conc. > 10%)
1314870	Lead sulfide
1319728	2,4,5-T amines
1319773	Cresol (mixed isomers)
1320189	2,4-D Esters
1320189	2,4-D propylene glycol butyl ether ester
1321126	Nitrotoluene
1327522	Arsenic acid
1327533	Arsenic trioxide
1327533	Arsenous oxide
1330207	Xylene (mixed isomers)
1332076	Zinc borate
1332214	Asbestos (friable)
1333740	Hydrogen
1333831	Sodium bifluoride
1335326	Lead subacetate
1335871	Hexachloronaphthalene

1336216	Ammonium hydroxide
1336363	PCBs
1336363	Polychlorinated biphenyls
1338234	Methyl ethyl ketone peroxide
1338245	Naphthenic acid
1341497	Ammonium bifluoride
1344281	Aluminum oxide (fibrous forms)
1397940	Antimycin A
1420071	Dinoterb
1464535	2,2'-Bioxirane
1464535	Diepoxybutane
1558254	Trichloro(chloromethyl)silane
1563388	Carbofuran phenol
1563662	Carbofuran
1582098	Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-
1582098	Trifluralin
1600277	Mercuric acetate
1615801	Hydrazine, 1,2-diethyl-
1622328	Ethanesulfonyl chloride, 2-chloro-
1634044	Methyl tert-butyl ether
1646884	Aldicarb sulfone
1649087	1,2-Dichloro-1,1-difluoroethane
1649087	HCFC-132b
1689845	Bromoxynil
1689845	3,5-Dibromo-4-hydroxybenzotrile
1689992	Bromoxynil octanoate
1689992	Octanoic acid, 2,6-dibromo-4-cyanophenyl ester
1717006	1,1-Dichloro-1-fluoroethane
1717006	HCFC-141b
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
1752303	Acetone thiosemicarbazide
1762954	Ammonium thiocyanate
1836755	Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-
1836755	Nitrofen
1861401	Benfluralin
1861401	N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine
1863634	Ammonium benzoate
1888717	Hexachloropropene
1897456	1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-
1897456	Chlorothalonil
1910425	Paraquat dichloride
1912249	Atrazine
1912249	6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine
1918009	Dicamba
1918009	3,6-Dichloro-2-methoxybenzoic acid
1918021	Picloram
1918167	2-Chloro-N-(1-methylethyl)-N-phenylacetamide
1918167	Propachlor

1928387	2,4-D Esters
1928434	2,4-D 2-ethylhexyl ester
1928478	2,4,5-T esters
1928616	2,4-D Esters
1929733	2,4-D butoxyethyl ester
1929733	2,4-D Esters
1929824	2-Chloro-6-(trichloromethyl)pyridine
1929824	Nitrapyrin
1937377	C.I. Direct Black 38
1982474	Chloroxuron
1982690	3,6-Dichloro-2-methoxybenzoic acid, sodium salt
1982690	Sodium dicamba
1983104	Tributyltin fluoride
2001958	Valinomycin
2008460	2,4,5-T amines
2032657	Mercaptodimethur
2032657	Methiocarb
2074502	Paraquat methosulfate
2097190	Phenylsilatrane
2104645	EPN
2155706	Tributyltin methacrylate
2164070	Dipotassium endothall
2164070	7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt
2164172	Fluometuron
2164172	Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-
2212671	1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester
2212671	Molinate
2223930	Cadmium stearate
2231574	Thiocarbazine
2234131	Octachloronaphthalene
2238075	Diglycidyl ether
2275185	Prothoate
2300665	Dimethylamine dicamba
2303164	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propyl)
2303164	Diallate
2303175	Triallate
2312358	Propargite
2439012	Chinomethionat
2439012	6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one
2439103	Dodecylguanidine monoacetate
2439103	Dodine
2497076	Oxydisulfoton
2524030	Dimethyl chlorothiophosphate
2524030	Dimethyl phosphorochloridothioate
2540821	Formothion
2545597	2,4,5-T esters
2556367	1,4-Cyclohexane diisocyanate
2570265	Pentadecylamine

2587908	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)est
2602462	C.I. Direct Blue 6
2631370	Promecarb
2636262	Cyanophos
2642719	Azinphos-ethyl
2655154	2,3,5-Trimethylphenyl methylcarbamate
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl es
2699798	Sulfuryl fluoride
2699798	Vikane
2702729	2,4-D sodium salt
2703131	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phen
2757188	Thallos malonate
2763964	5-(Aminomethyl)-3-isoxazolol
2763964	Muscimol
2764729	Diquat
2778043	Endothion
2832408	C.I. Disperse Yellow 3
2837890	2-Chloro-1,1,1,2-tetrafluoroethane
2837890	HCFC-124
2921882	Chlorpyrifos
2944674	Ferric ammonium oxalate
2971382	2,4-D chlorocrotyl ester
2971382	2,4-D Esters
3012655	Ammonium citrate, dibasic
3037727	Silane, (4-aminobutyl)diethoxymethyl-
3118976	C.I. Solvent Orange 7
3164292	Ammonium tartrate
3165933	4-Chloro-o-toluidine, hydrochloride
3173726	1,5-Naphthalene diisocyanate
3251238	Cupric nitrate
3254635	Phosphoric acid, dimethyl 4-(methylthio) phenyl ester
3268879	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin
3288582	O,O-Diethyl S-methyl dithiophosphate
3383968	Temephos
3486359	Zinc carbonate
3547044	DDE
3569571	Sulfoxide, 3-chloropropyl octyl
3615212	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-
3653483	(4-Chloro-2-methylphenoxy) acetate sodium salt
3653483	Methoxone sodium salt
3689245	Sulfotep
3689245	Tetraethyldithiopyrophosphate
3691358	Chlorophacinone
3697243	5-Methylchrysene
3734972	Amiton oxalate
3735237	Methyl phenkapton
3761533	C.I. Food Red 5
3813147	2,4,5-T amines

3878191	Fuberidazole
4044659	Bitoscanate
4080313	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride
4098719	Isophorone diisocyanate
4104147	Phosacetim
4109960	Dichlorosilane
4109960	Silane, dichloro-
4128738	4,4'-Diisocyanatodiphenyl ether
4170303	2-Butenal
4170303	Crotonaldehyde
4301502	Fluenetil
4418660	Phenol, 2,2'-thiobis[4-chloro-6-methyl-
4549400	N-Nitrosomethylvinylamine
4680788	C.I. Acid Green 3
4835114	Hexamethylenediamine, N,N'-dibutyl-
5124301	1,1'-Methylene bis(4-isocyanatocyclohexane)
5234684	Carboxin
5234684	5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide
5344821	Thiourea, (2-chlorophenyl)-
5385751	Dibenzo(a,e)fluoranthene
5522430	1-Nitropyrene
5598130	Chlorpyrifos methyl
5598130	O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate
5836293	Coumatetralyl
5893663	Cupric oxalate
5902512	5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidin
5902512	Terbacil
5952261	Ethanol, 2,2'-oxybis-, dicarbamate
5972736	Ammonium oxalate
6009707	Ammonium oxalate
6369966	2,4,5-T amines
6369977	2,4,5-T amines
6459945	C.I. Acid Red 114
6533739	Thallium(I) carbonate
6533739	Thallos carbonate
6923224	Monocrotophos
7005723	4-Chlorophenyl phenyl ether
7287196	N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamin
7287196	Prometryn
7421934	Endrin aldehyde
7428480	Lead stearate
7429905	Aluminum (fume or dust)
7439921	Lead
7439965	Manganese
7439976	Mercury
7440020	Nickel
7440224	Silver
7440235	Sodium

7440280	Thallium
7440360	Antimony
7440382	Arsenic
7440393	Barium
7440417	Beryllium
7440439	Cadmium
7440473	Chromium
7440484	Cobalt
7440508	Copper
7440622	Vandium (except when contained in an alloy)
7440666	Zinc
7440666	Zinc (fume or dust)
7446084	Selenium dioxide
7446095	Sulfur dioxide
7446095	Sulfur dioxide (anhydrous)
7446119	Sulfur trioxide
7446142	Lead sulfate
7446186	Thallium(I) sulfate
7446186	Thallosulfate
7446277	Lead phosphate
7447394	Cupric chloride
7487947	Mercuric chloride
7488564	Selenium sulfide
7550450	Titanium chloride (TiCl <sub>4</sub> ) (T-4)-
7550450	Titanium tetrachloride
7558794	Sodium phosphate, dibasic
7580678	Lithium hydride
7601549	Sodium phosphate, tribasic
7631892	Sodium arsenate
7631905	Sodium bisulfite
7632000	Sodium nitrite
7637072	Borane, trifluoro-
7637072	Boron trifluoride
7645252	Lead arsenate
7646857	Zinc chloride
7647010	Hydrochloric acid
7647010	Hydrochloric acid (conc 37% or greater)
7647010	Hydrochloric acid (aerosol forms only)
7647010	Hydrogen chloride (anhydrous)
7647010	Hydrogen chloride (gas only)
7647189	Antimony pentachloride
7664382	Phosphoric acid
7664393	Hydrofluoric acid
7664393	Hydrofluoric acid (conc. 50% or greater)
7664393	Hydrogen fluoride
7664393	Hydrogen fluoride (anhydrous)
7664417	Ammonia
7664417	Ammonia (anhydrous)

7664417	Ammonia (conc 20% or greater)
7664939	Sulfuric acid
7664939	Sulfuric acid (aerosol forms only)
7681494	Sodium fluoride
7681529	Sodium hypochlorite
7696120	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
7696120	Tetramethrin
7697372	Nitric acid
7697372	Nitric acid (conc 80% or greater)
7699458	Zinc bromide
7705080	Ferric chloride
7718549	Nickel chloride
7719122	Phosphorous trichloride
7719122	Phosphorus trichloride
7720787	Ferrous sulfate
7722647	Potassium permanganate
7722841	Hydrogen peroxide (Conc.> 52%)
7723140	Phosphorus
7723140	Phosphorus (yellow or white)
7726956	Bromine
7733020	Zinc sulfate
7738945	Chromic acid
7758012	Potassium bromate
7758294	Sodium phosphate, tribasic
7758943	Ferrous chloride
7758954	Lead chloride
7758987	Cupric sulfate
7761888	Silver nitrate
7773060	Ammonium sulfamate
7775113	Sodium chromate
7778394	Arsenic acid
7778441	Calcium arsenate
7778509	Potassium bichromate
7778543	Calcium hypochlorite
7779864	Zinc hydrosulfite
7779886	Zinc nitrate
7782414	Fluorine
7782492	Selenium
7782505	Chlorine
7782630	Ferrous sulfate
7782823	Sodium selenite
7782867	Mercurous nitrate
7783008	Selenious acid
7783064	Hydrogen sulfide
7783075	Hydrogen selenide
7783359	Mercuric sulfate
7783462	Lead fluoride
7783495	Zinc fluoride

7783508	Ferric fluoride
7783564	Antimony trifluoride
7783600	Sulfur fluoride (SF4), (T-4)-
7783600	Sulfur tetrafluoride
7783702	Antimony pentafluoride
7783804	Tellurium hexafluoride
7784341	Arsenous trichloride
7784409	Lead arsenate
7784410	Potassium arsenate
7784421	Arsine
7784465	Sodium arsenite
7785844	Sodium phosphate, tribasic
7786347	Mevinphos
7786814	Nickel sulfate
7787475	Beryllium chloride
7787497	Beryllium fluoride
7787555	Beryllium nitrate
7788989	Ammonium chromate
7789006	Potassium chromate
7789062	Strontium chromate
7789095	Ammonium bichromate
7789426	Cadmium bromide
7789437	Cobaltous bromide
7789619	Antimony tribromide
7790945	Chlorosulfonic acid
7791120	Thallium chloride TlCl
7791120	Thallos chloride
7791211	Chlorine monoxide
7791211	Chlorine oxide
7791233	Selenium oxychloride
7803512	Phosphine
7803556	Ammonium vanadate
7803625	Silane
8001352	Camphchlor
8001352	Camphene, octachloro-
8001352	Toxaphene
8001589	Creosote
8003198	Dichloropropane - Dichloropropene (mixture)
8003347	Pyrethrins
8014957	Oleum (fuming sulfuric acid)
8014957	Sulfuric acid (fuming)
8014957	Sulfuric acid, mixture with sulfur trioxide
8065483	Demeton
9006422	Metiram
9016879	Polymeric diphenylmethane diisocyanate
10022705	Sodium hypochlorite
10025737	Chromic chloride
10025782	Silane, trichloro-



10025782	Trichlorosilane
10025873	Phosphorus oxychloride
10025873	Phosphoryl chloride
10025919	Antimony trichloride
10026116	Zirconium tetrachloride
10026138	Phosphorus pentachloride
10028156	Ozone
10028225	Ferric sulfate
10031591	Thallium sulfate
10034932	Hydrazine sulfate
10039324	Sodium phosphate, dibasic
10043013	Aluminum sulfate
10045893	Ferrous ammonium sulfate
10045940	Mercuric nitrate
10049044	Chlorine dioxide
10049044	Chlorine oxide (ClO <sub>2</sub> )
10049055	Chromous chloride
10061026	trans-1,3-Dichloropropene
10099748	Lead nitrate
10101538	Chromic sulfate
10101630	Lead iodide
10101890	Sodium phosphate, tribasic
10102064	Uranyl nitrate
10102188	Sodium selenite
10102202	Sodium tellurite
10102439	Nitric oxide
10102439	Nitrogen oxide (NO)
10102440	Nitrogen dioxide
10102451	Thallium(I) nitrate
10102484	Lead arsenate
10108642	Cadmium chloride
10124502	Potassium arsenite
10124568	Sodium phosphate, tribasic
10140655	Sodium phosphate, dibasic
10140871	Ethanol, 1,2-dichloro-, acetate
10192300	Ammonium bisulfite
10196040	Ammonium sulfite
10210681	Cobalt carbonyl
10222012	2,2-Dibromo-3-nitrilopropionamide
10265926	Methamidophos
10294345	Borane, trichloro-
10294345	Boron trichloride
10311849	Dialifor
10347543	1,4-Bis(methylisocyanate)cyclohexane
10361894	Sodium phosphate, tribasic
10380297	Cupric sulfate, ammoniated
10415755	Mercurous nitrate
10421484	Ferric nitrate

10453868	5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1
10453868	Resmethrin
10476956	Methacrolein diacetate
10544726	Nitrogen dioxide
10588019	Sodium bichromate
10605217	Carbendazim
11096825	Aroclor 1260
11097691	Aroclor 1254
11104282	Aroclor 1221
11115745	Chromic acid
11141165	Aroclor 1232
12002038	Cupric acetoarsenite
12002038	Paris green
12039520	Selenious acid, dithallium(1+) salt
12054487	Nickel hydroxide
12108133	Manganese, tricarbonyl methylcyclopentadienyl
12122677	Carbamodithioic acid, 1,2-ethanediybis-, zinc complex
12122677	Zineb
12125018	Ammonium fluoride
12125029	Ammonium chloride
12135761	Ammonium sulfide
12427382	Carbamodithioic acid, 1,2-ethanediybis-, manganese comple
12427382	Maneb
12672296	Aroclor 1248
12674112	Aroclor 1016
12771083	Sulfur monochloride
13071799	Terbufos
13171216	Phosphamidon
13194484	Ethoprop
13194484	Ethoprofos
13194484	Phosphorodithioic acid O-ethyl S,S-dipropyl ester
13356086	Fenbutatin oxide
13356086	Hexakis(2-methyl-2-phenylpropyl)distannoxane
13410010	Sodium selenate
13450903	Gallium trichloride
13463393	Nickel carbonyl
13463406	Iron carbonyl (Fe(CO) <sub>5</sub> ), (TB-5-11)-
13463406	Iron, pentacarbonyl-
13474889	1,1-Dichloro-1,2,2,3,3-pentafluoropropane
13474889	HCFC-225cc
13560991	2,4,5-T salts
13597994	Beryllium nitrate
13684565	Desmedipham
13746899	Zirconium nitrate
13765190	Calcium chromate
13814965	Lead fluoborate
13826830	Ammonium fluoborate
13952846	sec-Butylamine

14017415	Cobaltous sulfamate
14167181	Salcomine
14216752	Nickel nitrate
14258492	Ammonium oxalate
14307358	Lithium chromate
14307438	Ammonium tartrate
14484641	Ferbam
14484641	Tris(dimethylcarbamo-dithioato-S,S')iron
14639975	Zinc ammonium chloride
14639986	Zinc ammonium chloride
14644612	Zirconium sulfate
15271417	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methylami
15339363	Manganese, bis(dimethylcarbamo-dithioato-S,S')-
15646965	2,4,4-Trimethylhexamethylene diisocyanate
15699180	Nickel ammonium sulfate
15739807	Lead sulfate
15950660	2,3,4-Trichlorophenol
15972608	Alachlor
16071866	C.I. Direct Brown 95
16543558	N-Nitrosornicotine
16721805	Sodium hydrosulfide
16752775	Ethanimidothioic acid, N-[[methylamino)carbonyl]
16752775	Methomyl
16871719	Zinc silicofluoride
16919190	Ammonium silicofluoride
16923958	Zirconium potassium fluoride
16938220	2,2,4-Trimethylhexamethylene diisocyanate
17702419	Decaborane(14)
17702577	Formparanate
17804352	Benomyl
18883664	Streptozotocin
19044883	4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide
19044883	Oryzalin
19287457	Diborane
19287457	Diborane(6)
19408743	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin
19624227	Pentaborane
19666309	3-(2,4-Dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-dimethyleth
19666309	Oxydiazon
20325400	o-Dianisidine dihydrochloride
20325400	3,3'-Dimethoxybenzidine dihydrochloride
20354261	2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dior
20354261	Methazole
20816120	Osmium oxide OsO4 (T-4)-
20816120	Osmium tetroxide
20830755	Digoxin
20830813	Daunomycin
20859738	Aluminum phosphide

21087649	Metribuzin
21548323	Fosthietan
21609905	Leptophos
21725462	Cyanazine
21908532	Mercuric oxide
21923239	Chlorthiophos
22224926	Fenamiphos
22781233	Bendiocarb
22781233	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate
22961826	Bendiocarb phenol
23135220	Oxamyl
23422539	Formetanate hydrochloride
23505411	Pirimifos-ethyl
23564058	Thiophanate-methyl
23564069	(1,2-Phenylenebis(iminocarbonothioyl)) biscarbamic acid diet
23564069	Thiophanate ethyl
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl
23950585	Pronamide
24017478	Triazofos
24934916	Chlormephos
25154545	Dinitrobenzene (mixed isomers)
25154556	Nitrophenol (mixed isomers)
25155300	Sodium dodecylbenzenesulfonate
25167673	Butene
25167822	Trichlorophenol
25168154	2,4,5-T esters
25168267	2,4-D Esters
25311711	2-((Ethoxyl((1-methylethyl)amino]phosphinothioyl]oxy) benzoil
25311711	Isofenphos
25321146	Dinitrotoluene (mixed isomers)
25321226	Dichlorobenzene
25321226	Dichlorobenzene (mixed isomers)
25376458	Diaminotoluene (mixed isomers)
25376458	Toluenediamine
25550587	Dinitrophenol
26002802	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
26002802	Phenothrin
26264062	Calcium dodecylbenzenesulfonate
26419738	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)m
26471625	Benzene, 1,3-diisocyanatomethyl-
26471625	Toluenediisocyanate (mixed isomers)
26471625	Toluene diisocyanate (unspecified isomer)
26628228	Sodium azide (Na(N3))
26638197	Dichloropropane
26644462	N,N'-(1,4-Piperazinediylbis(2,2,2-trichloroethylidene)) bisform
26644462	Triforine
26952238	Dichloropropene
27137855	Trichloro(dichlorophenyl)silane

27176870	Dodecylbenzenesulfonic acid
27314132	4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-
27314132	Norflurazon
27323417	Triethanolamine dodecylbenzene sulfonate
27774136	Vanadyl sulfate
28057489	d-trans-Allethrin
28057489	d-trans-Chrysanthemic acid of d-allethrine
28249776	Carbamic acid, diethylthio-, S-(p-chlorobenzyl)
28249776	Thiobencarb
28300745	Antimony potassium tartrate
28347139	Xylylene dichloride
28407376	C.I. Direct Blue 218
28772567	Bromadiolone
29082744	Octachlorostyrene
29232937	O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl ph
29232937	Pirimiphos methyl
30525894	Paraformaldehyde
30558431	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, n
30560191	Acephate
30560191	Acetylphosphoramidothioic acid O,S-dimethyl ester
30674807	Methacryloyloxyethyl isocyanate
31218834	3-((Ethylamino)methoxyphosphinothioyl)oxy)-2-butenic acid,
31218834	Propetamphos
32534955	2,4,5-TP esters
33089611	Amitraz
33213659	beta - Endosulfan
34014181	N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylur
34014181	Tebuthiuron
34077877	Dichlorotrifluoroethane
35367385	Diflubenzuron
35400432	O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-pro
35400432	Sulprofos
35554440	1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazo
35554440	Imazalil
35691657	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile
35822469	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
36478769	Uranyl nitrate
37211055	Nickel chloride
38661722	1,3-Bis(methylisocyanate)cyclohexane
38727558	Diethatyl ethyl
39001020	1,2,3,4,6,7,8,9-octachlorodibenzofuran
39156417	2,4-Diaminoanisole sulfate
39196184	Thiofanox
39227286	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
39300453	Dinocap
39515418	Fenpropathrin
39515418	2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phe
40321764	1,2,3,7,8-pentachlorodibenzo-p-dioxin

40487421	N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
40487421	Pendimethalin
41198087	O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioa
41198087	Profenofos
41766750	3,3'-Dimethylbenzidine dihydrofluoride
41766750	o-Tolidine dihydrofluoride
42504461	Isopropanolamine dodecylbenzene sulfonate
42874033	Oxyfluorfen
43121433	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-t
43121433	Triadimefon
50471448	3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedior
50471448	Vinclozolin
50782699	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino
51207319	2,3,7,8-tetrachlorodibenzofuran
51235042	Hexazinone
51338273	2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid, methyl es
51338273	Diclofop methyl
51630581	4-Chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-ph
51630581	Fenvalerate
52628258	Zinc ammonium chloride
52645531	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic
52645531	Permethrin
52652592	Lead stearate
52740166	Calcium arsenite
52888809	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
53404196	Bromacil, lithium salt
53404196	2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylp
53404378	2,4-D 2-ethyl-4-methylpentyl ester
53404607	Dazomet, sodium salt
53404607	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-
53467111	2,4-D Esters
53469219	Aroclor 1242
53558251	Pyriminil
55285148	Carbosulfan
55290647	2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide
55290647	Dimethipin
55406536	3-Iodo-2-propynyl butylcarbamate
55488874	Ferric ammonium oxalate
55673897	1,2,3,4,7,8,9-heptachlorodibenzofuran
56189094	Lead stearate
57117314	2,3,4,7,8-pentachlorodibenzofuran
57117416	1,2,3,7,8-pentachlorodibenzofuran
57117449	1,2,3,6,7,8-hexachlorodibenzofuran
57213691	Triclopyr triethylammonium salt
57653857	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin
58270089	Zinc, dichloro(4,4-dimethyl-5((((methylamino)carbonyl)oxy)im
59669260	Thiodicarb
60168889	.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidine

60168889	Fenarimol
60207901	1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-1
60207901	Propiconazole
60851345	2,3,4,6,7,8-hexachlorodibenzofuran
61792072	2,4,5-T esters
62207765	Cobalt, ((2,2'-(1,2-ethanediylbis(nitrilomethylidyne))bis(6-fluor
62476599	Acifluorfen, sodium salt
62476599	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, s
63938103	Chlorotetrafluoroethane
64902723	2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)ca
64902723	Chlorsulfuron
64969342	3,3'-Dichlorobenzidine sulfate
66441234	2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic aci
66441234	Fenoxaprop ethyl
67485294	Hydramethylnon
67485294	Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone(3-(4-(trifluorome
67562394	1,2,3,4,6,7,8-heptachlorodibenzofuran
68085858	3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropa
68085858	Cyhalothrin
68359375	Cyfluthrin
68359375	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic a
69409945	N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3-p
69409945	Fluvalinate
69806504	Fluazifop butyl
69806504	2-(4-((5-(Trifluoromethyl)-2-pyridinyl)oxy)-phenoxy)propanoic
70648269	1,2,3,4,7,8-hexachlorodibenzofuran
71751412	Abamectin
71751412	Avermectin B1
72178020	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-n
72178020	Fomesafen
72490018	Fenoxycarb
72490018	(2-(4-Phenoxyphenoxy)ethyl carbamic acid ethyl ester
72918219	1,2,3,7,8,9-hexachlorodibenzofuran
74051802	2-(1-(Ethoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxyl-2-c
74051802	Sethoxydim
75790840	4-Methyldiphenylmethane-3,4-diisocyanate
75790873	2,4'-Diisocyanatodiphenyl sulfide
76578148	2-(4-((6-Chloro-2-quinoxalinyloxy]phenoxy) propanoic acid et
76578148	Quizalofop-ethyl
77501634	Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-
77501634	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-me
77501634	Lactofen
82657043	Bifenthrin
88671890	.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-prop
88671890	Myclobutanil
90454185	Dichloro-1,1,2-trifluoroethane
90982324	Chlorimuron ethyl
90982324	Ethyl-2-((((4-chloro-6-methoxyprimidin-2-yl)amino)carbonyl)a

101200480	2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbor
101200480	Tribenuron methyl
111512562	1,1-Dichloro-1,2,3,3,3-pentafluoropropane
111512562	HCFC-225eb
111984099	o-Dianisidine hydrochloride
111984099	3,3'-Dimethoxybenzidine hydrochloride
127564925	Dichloropentafluoropropane
128903219	2,2-Dichloro-1,1,1,3,3-pentafluoropropane
128903219	HCFC-225aa
134190377	Diethyldiisocyanatobenzene
136013791	1,3-Dichloro-1,1,2,3,3-pentafluoropropane
136013791	HCFC-225ea
N010	Antimony Compounds
N020	Arsenic Compounds
N040	Barium Compounds
N050	Beryllium Compounds
N078	Cadmium Compounds
N084	Chlorinated Phenols
N084	Chlorophenols
N090	Chromium Compounds
N096	Cobalt Compounds
N100	Copper Compounds
N106	Cyanide Compounds
N120	Diisocyanates (includes only 20 chemicals)
N150	Dioxin and dioxin-like compounds (includes only 17 chemicals)
N171	Ethylenebisdithiocarbamic acid, salts and esters
N230	Glycol Ethers
N420	Lead Compounds
N450	Manganese Compounds
N458	Mercury Compounds
N495	Nickel Compounds
N503	Nicotine and salts
N511	Nitrate compounds (water dissociable)
N575	Polybrominated Biphenyls (PBBs)
N583	Polychlorinated alkanes (C10 to C13)
N590	Polycyclic aromatic compounds (includes only 19 chemicals)
N725	Selenium Compounds
N740	Silver Compounds
N746	Strychnine and salts
N760	Thallium Compounds
N770	Vandium Compounds
N874	Warfarin and salts
N982	Zinc Compounds

THE LIST BELOW CONTAINS RCRA WASTE STREAMS AT  
THE FOLLOWING LIST SHOULD BE USED FOR REFEREN  
The following spent halogenated solvents used in  
degreasing:



- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
- (b) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
- (c) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
- (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
- (e) Carbon tetrachloride (CAS No. 56-23-5, RCRA Waste No. U211)
- (f) Chlorinated fluorocarbons

The following spent halogenated solvents:

- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
- (b) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
- (c) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
- (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
- (e) Chlorobenzene (CAS No. 108-90-7, RCRA Waste No. U037)

- (f) 1,1,2-Trichloro-1,2,2-trifluoroethane (CAS No. 76-13-1)
- (g) o-Dichlorobenzene (CAS No. 95-50-1, RCRA Waste No. U070)
- (h) Trichlorofluoromethane (CAS No. 75-69-4, RCRA Waste No. U121)
- (i) 1,1,2-Trichloroethane (CAS No. 79-00-5, RCRA Waste No. U227)

The following spent non-halogenated solvents and still bottoms from recovery:

- (a) Xylene (CAS No. 1330-20-7, RCRA Waste No. U239)
- (b) Acetone (CAS No. 67-64-1, RCRA Waste No. U002)
- (c) Ethyl acetate (CAS No. 141-78-6, RCRA Waste No. U112)
- (d) Ethylbenzene (CAS No. 100-41-4)
- (e) Ethyl ether (CAS No. 60-29-7, RCRA Waste No. U117)
- (f) Methyl isobutyl ketone (CAS No. 108-10-1, RCRA Waste No. U161)
- (g) n-Butyl alcohol (CAS No. 71-36-3, RCRA Waste No. U031)
- (h) Cyclohexanone (CAS No. 108-94-1, RCRA Waste No. U057)
- (i) Methanol (CAS No. 67-56-1, RCRA Waste No. U154)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Cresols/cresylic acid (CAS No. 1319-77-3, RCRA Waste No. U052)

(b) Nitrobenzene (CAS No. 98-95-3, RCRA Waste No. U169)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Toluene (CAS No. 108-88-3, RCRA Waste No. U220)

(b) Methyl ethyl ketone (CAS No. 78-93-3, RCRA Waste No. U159)

(c) Carbon disulfide (CAS No. 75-15-0, RCRA Waste No. P022)

(d) Isobutanol (CAS No. 78-83-1, RCRA Waste No. U140)

(e) Pyridine (CAS No. 110-86-1, RCRA Waste No. U196)

Wastewater treatment sludges from electroplating operations (w/some exceptions)

Spent cyanide plating bath solns. from electroplating

Plating bath residues from electroplating where cyanides are used

Spent stripping/cleaning bath solns. from electroplating where cyanides are used

Quenching bath residues from metal heat treating where cyanides are used

Spent cyanide soln. from salt bath pot cleaning from metal heat treating

Quenching wastewater sludges from metal heat treating where cyanides are used

Wastewater treatment sludges from chemical conversion aluminum coating

Wastes from prod. or use of tri/tetrachlorophenol or derivative intermediates

Wastes from prod. or use of pentachlorophenol or intermediates for derivatives

Wastes from use of tetra/penta/hexachlorobenzenes under alkaline conditions

Wastes from mat. prod. on equip. previously used for tri/tetrachlorophenol

Wastes from production of chlorinated aliphatic hydrocarbons (C1-C5)

Lights ends, filters from prod. of chlorinated aliphatic hydrocarbons (C1-C5)

Waste from equipment previously used to prod. tetra/penta/hexachlorobenzenes

Discarded formulations containing tri/tetra/pentachlorophenols or derivatives

Residues from incineration of soil contaminated w/  
F020,F021,F022,F023,F026,F027

Wastewaters, process residuals from wood preserving using  
chlorophenolic solns.

Wastewaters, process residuals from wood preserving using  
creosote formulations

Wastewaters, process residuals from wood preserving using  
arsenic or chromium

Petroleum refinery primary oil/water/solids separation sludge

Petroleum refinery secondary (emulsified) oil/water/solids  
separation sludge

Multisource leachate

Wastewater treatment sludge from  
creosote/pentachlorophenol wood preserving

Wastewater treatment sludge from prod. of chrome yellow  
and orange pigments

Wastewater treatment sludge from prod. of molybdate  
orange pigments

Wastewater treatment sludge from prod. of zinc yellow  
pigments

Wastewater treatment sludge from prod. of chrome green  
pigments

Wastewater treatment sludge from prod. of chrome oxide  
green pigments

Wastewater treatment sludge from prod. of iron blue  
pigments

Oven residue from prod. of chrome oxide green pigments

Dist. bottoms from prod. of acetaldehyde from ethylene

Dist. side cuts from prod. of acetaldehyde from ethylene

Bottom stream from wastewater stripper in acrylonitrile prod.

Bottom stream from acetonitrile column in acrylonitrile prod.

Bottoms from acetonitrile purification column in acrylonitrile  
prod.

Still bottoms from the dist. of benzyl chloride

Heavy ends or dist. residues from prod. of carbon  
tetrachloride

Heavy ends from the purification column in epichlorohydrin  
prod.

Heavy ends from the fractionation column in ethyl chloride  
prod.

Heavy ends from the dist. of ethylene dichloride during its  
prod.

Heavy ends from the dist. of vinyl chloride during prod. of the  
monomer

Aqueous spent antimony catalyst waste from fluoromethanes prod.

Dist. bottom tars from prod. of phenol/acetone from cumene

Dist. light ends from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of nitrobenzene by nitration of benzene

Stripping still tails from the prod. of methyl ethyl pyridines

Centrifuge/dist. residues from toluene diisocyanate prod.

Spent catalyst from hydrochlorinator reactor in prod. of 1,1,1-trichloroethane

Waste from product steam stripper in prod. of 1,1,1-trichloroethane

Column bottoms/heavy ends from prod. of trichloroethylene and perchloroethylene

By-product salts generated in the prod. of MSMA and cacodylic acid

Wastewater treatment sludge from the prod. of chlordane

Wastewater/scrubwater from chlorination of cyclopentadiene in chlordane prod.

Filter solids from filtration of hexachlorocyclopentadiene in chlordane prod.

Wastewater treatment sludges from the prod. of creosote

Still bottoms from toluene reclamation distillation in disulfoton prod.

Wastewater treatment sludges from the prod. of disulfoton

Wastewater from the washing and stripping of phorate production

Filter cake from filtration of diethylphosphorodithioic acid in phorate prod.

Wastewater treatment sludge from the prod. of phorate

Wastewater treatment sludge from the prod. of toxaphene

Heavy ends/residues from dist. of tetrachlorobenzene in 2,4,5-T prod.

2,6-Dichlorophenol waste from the prod. of 2,4-D

Wastewater treatment sludge from manuf. and processing of explosives

Spent carbon from treatment of wastewater containing explosives

Wastewater sludge from manuf.,formulating,loading of lead-based initiating compd

Pink/red water from TNT operations

Dissolved air flotation (DAF) float from the petroleum refining industry

Slop oil emulsion solids from the petroleum refining industry  
Heat exchanger bundle cleaning sludge from petroleum refining industry

API separator sludge from the petroleum refining industry

Tank bottoms (leaded) from the petroleum refining industry  
Ammonia still lime sludge from coking operations

Emission control dust/sludge from primary prod. of steel in electric furnaces

Spent pickle liquor generated by steel finishing (SIC codes 331 and 332)

Acid plant blowdown slurry/sludge from blowdown slurry from primary copper prod.

Surface impoundment solids at primary lead smelting facilities

Sludge from treatment of wastewater/acid plant blowdown from primary zinc prod.

Emission control dust/sludge from secondary lead smelting  
Brine purification muds from mercury cell process in chlorine production

Chlorinated hydrocarbon waste from diaphragm cell process in chlorine production

Distillation bottoms from aniline extraction

Wastewater sludges from prod. of veterinary pharm. from arsenic compds.

Distillation or fractionation column bottoms in prod. of chlorobenzenes

Wastes/sludges from prod. of inks from chromium and lead-containing substances

Decanter tank tar sludge from coking operations

Spent potliners from primary aluminum reduction

Emission control dust/sludge from ferrochromiumsilicon prod.

Emission control dust/sludge from ferrochromium prod.

Dist. light ends from prod. of phthalic anhydride by ortho-xylene

Dist. bottoms in prod. of phthalic anhydride by ortho-xylene

Distillation bottoms in prod. of 1,1,1-trichloroethane

Heavy ends from dist. column in prod. of 1,1,1-trichloroethane

Vacuum stripper discharge from the chlordane chlorinator in prod. of chlordane

Untreated process wastewater from the prod. of toxaphene  
Untreated wastewater from the prod. of 2,4-D  
Waste leaching soln from emission control dust/sludge in secondary lead smelting  
Dist. tar residue from aniline in prod. of veterinary pharm. from arsenic compd.  
Residue from activated carbon in prod. of veterinary pharm. from arsenic compds.  
Process residues from aniline extraction from the prod. of aniline  
Combined wastewater streams generated from prod. of nitrobenzene/aniline

Aqueous stream from washing in prod. of chlorobenzenes  
Wastewater treatment sludge from mercury cell process in chlorine prod.  
Column bottoms from separation in prod. of UDMH from carboxylic acid hydrazides  
Condensed column overheads and vent gas from prod. of UDMH from -COOH hydrazides  
Spent filter cartridges from purif. of UDMH prod. from carboxylic acid hydrazides  
Condensed column overheads from separation in UDMH prod. from -COOH hydrazides  
Product washwaters from prod. of dinitrotoluene via nitration of toluene  
Reaction by-product water from drying in toluenediamine prod from dinitrotoluene  
Condensed liquid light ends from purification of toluenediamine during its prod.  
Vicinals from purification of toluenediamine during its prod from dinitrotoluene  
Heavy ends from toluenediamine purification during prod. from dinitrotoluene  
Organic condensate from solvent recovery system in prod. of toluene diisocyanate  
Wastewater from vent gas scrubber in ethylene bromide prod by ethene bromination  
Spent absorbent solids in purification of ethylene dibromide in its prod.  
Process wastewater from the prod. of ethylenebisdithiocarbamic acid and salts  
Reactor vent scrubber water from prod of ethylenebisdithiocarbamic acid and salts  
Filtration/other solids from prod. of ethylenebisdithiocarbamic acid and salts

Dust/sweepings from the prod. of ethylenebisdithiocarbamic acid and salts

Wastewater and spent sulfuric acid from the prod. of methyl bromide

Spent absorbent and wastewater solids from the prod. of methyl bromide

Still bottoms from ethylene dibromide purif. in prod. by ethene bromination

Process residues from coal tar recovery in coking

Tar storage tank residues from coke prod. from coal or recovery of coke by-prods

Process residues from recovery of light oil in coking

Wastewater residues from light oil refining in coking

Residues from naphthalene collection and recovery from coke by-products

Tar storage tank residues from coal tar refining in coking

Residues from coal tar distillation, including still bottoms, in coking

Distillation bottoms from the prod. of chlorinated toluenes/benzoyl chlorides

Organic residuals from Cl gas and HCl recovery from chlorinated toluene prod.

Wastewater treatment sludge from production of chlorotoluenes/benzoyl chlorides

Organic waste from production of carbamates and carbamoyl oximes

Wastewaters from production of carbamates and carbamoyl oximes (not sludges)

Bag house dusts & filter/separation solids from prod of carbamates, carb oximes

Organics from treatment of thiocarbamate waste

Purif. solids/bag house dust/sweepings from prod of dithiocarbamate acids/salts

Crude oil storage tank sediment from refining operations

Clarified slurry oil tank sediment of in-line filter/separation solids

Spent hydrotreating catalyst

Spent hydrorefining catalyst

Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (EDC/VCM)

Wastewater treatment sludges from the production vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process

Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process

Nonwastewaters generated from the production of certain dyes, pigments, and FD&C colorants

Unlisted hazardous wastes characteristic of ignitability

Unlisted hazardous wastes characteristic of corrosivity

Unlisted hazardous wastes characteristic of reactivity

Unlisted hazardous wastes characteristic of toxicity:

Arsenic

Barium

Cadmium

Chromium

Lead

Mercury

Selenium

Silver

Endrin

Lindane

Methoxychlor

Toxaphene

2,4-D

2,4,5-TP

Benzene

Carbon tetrachloride

Chlordane

Chlorobenzene

Chloroform

o-Cresol

m-Cresol

p-Cresol

Cresol

1,4-Dichlorobenzene

1,2-Dichloroethane

1,1-Dichloroethylene

2,4-Dinitrotoluene

Heptachlor (and epoxide)

Hexachlorobenzene

Hexachlorobutadiene

Hexachloroethane

Methyl ethyl ketone

Nitrobenzene

Pentachlorophenol

Pyridine

Tetrachloroethylene

Trichloroethylene

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

Vinyl chloride



NAME INDEX	Section 302 (EHS) TPQ	Section 304 EHS RQ
BARIUM COMPOUNDS EXCEPTION		
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)		
CHLORINATED BENZENES		
CHLORINATED ETHANES		
CHLORINATED NAPHTHALENE		
CHLOROALKYL ETHERS		
COKE OVEN EMISSIONS		
COPPER COMPOUNDS EXCEPTION1		
COPPER COMPOUNDS EXCEPTION2		
COPPER COMPOUNDS EXCEPTION3		
COPPER COMPOUNDS EXCEPTION4		
DDT AND METABOLITES		
DICHLOROBENZIDINE		
DIPHENYLHYDRAZINE		
ENDOSULFAN AND METABOLITES		
ENDRIN AND METABOLITES		
FINEMINERALFIBERS		
HALOETHERS		
HALOMETHANES		
HEPTACHLOR AND METABOLITES		
NITROPHENOLS		
NITROSAMINES		
ORGANORHODIUM COMPLEX (PMN-82)	10/10,000	10
PHTHALATE ESTERS		
POLYCYCLICORGANICMATTER		
POLYNUCLEAR AROMATIC HYDROCARBONS		
FORMALDEHYDE	500	100
FORMALDEHYDESOLUTION)	500	100
MITOMYCIN C	500/10,000	10
ERGOCALCIFEROL	1,000/10,000	1,000
CYCLOPHOSPHAMIDE		
DDT		
BENZOPYRENE		
RESERPINE		
PIPERONYLBUTOXIDE		
FLUOROURACIL	500/10,000	500
FLUOROURACIL,5-	500/10,000	500
DINITROPHENOLB		
EPINEPHRINE		
CHLOROCHLOROETHYL)-N-METHYLETHANAMIN	10	10
MECHLORETHAMINE	10	10
NITROGENMUSTARD	10	10
CARBAMIC ACIDETHYL ESTER		
ETHYLCARBAMATE		
URETHANE		
CARBACHOL CHLORIDE	500/10,000	500
PHOSPHONICACIDTRICHLORO-1-HYDROXYETHYL)-,DIMETHYL		

TRICHLORFON		
FAMPHUR		
DIBENZANTHRACENE		
ACETYLAMINOFLUOREN		
NICOTINE	100	100
NICOTINE AND SALTS		
PYRIDINEMETHYLPYRROLIDINYL(S)-	100	100
AMINOPTERIN	500/10,000	500
NITROSODIETHYLAMIN		
BENZAMIDE		
DIMETHYLMETHYLMETHYLTHIOPHENYLESTERPHOSP		
FENTHION		
NITROGLYCERINE		
DIISOPROPYLFLUOROPHOSPHATE	100	100
ISOFLUORPHATE	100	100
METHYLTHIOURACIL		
CARBONTETRACHLORIDE		
CANTHARIDIN	100/10,000	100
BISTRIBUTYL(TIN) OXIDE		
PARATHION	100	10
PHOSPHOROTHIOICACIDDIETHYLNITROPHENYL	100	10
METHYLCHOLANTHRENE		
DIETHYLSTILBESTROL		
BENZANTHRACENE		
COUMAPHOS	100/10,000	10
CYANIDES (SOLUBLE SALTS AND COMPLEXES) NOT OTHERWI		
DIMETHYLHYDRAZI	1,000	10
DIMETHYLHYDRAZINE	1,000	10
HYDRAZINEDIMETHYL-	1,000	10
STRYCHNINE	100/10,000	10
STRYCHNINE, AND SALTS		
PENTOBARBITALSODIUM		
PHENYTOIN		
PHYSOSTIGMINE	100/10,000	100
PROPIOLACTONE	500	10
PHYSOSTIGMINE, SALICYLATE (1:1)	100/10,000	100
CHLORDANE	1,000	1
METHANOINDANOCTACHLORO-2,3,3A,4,7,7A	1,000	1
DIMETHYLBENZAANTHRACENE		
PHENOXARSINE, 10,10'-OXYDI-	500/10,000	500
CYCLOHEXANEHEXACHLORO-, (1.ALPHA.,2.ALPH	1,000/10,000	1
HEXACHLOROCYCLOHEXANEGAMMA ISOMER)	1,000/10,000	1
LINDANE	1,000/10,000	1
TETRACHLOROPHENOL		
CHLOROCRESOL		
PHENYLHYDRAZINE HYDROCHLORIDE	1,000/10,000	1,000
NITROSOMORPHOLINE		
ETHYLENEDIAMINE-TETRAACETIC ACID (EDTA)		

AMINOAZOBENZENE		
DIMETHYLAMINOAZO		
DIMETHYLAMINOAZOBENZENE		
ETHANEOXYBIS-		
ETHYLETHER		
HYDRAZINEMETHYL-	500	10
METHYLHYDRAZINE	500	10
ACETAMIDE		
STRYCHNINE, SULFATE	100/10,000	10
DIMETHOATE	500/10,000	10
DIELDRIN		
AMITROLE		
PHENYLMERCURIC ACETATE	500/10,000	100
PHENYLMERCURY ACETATE	500/10,000	100
PHENACETIN		
ETHYLMETHANESULFONATE		
ANILINE	1,000	5,000
THIOACETAMIDE		
THIOUREA		
DICHLORVOS	1,000	10
PHOSPHORICACIDDICHLOROETHENYL DIMETHY	1,000	10
FLUOROACETIC ACID, SODIUM SALT	10/10,000	10
SODIUM FLUOROACETATE	10/10,000	10
METHANAMINEMETHYLNITROSO-	1,000	10
NITROSODIMETHYLAMI	1,000	10
NITROSODIMETHYLAMINE	1,000	10
CARBARYL		
NAPHTHALENOLMETHYLCARBAMATE		
PHENOLMETHYLETHYL)-, METHYLCARBAMATE	500/10,000	10
FORMICACID		
ACETICACID		
DIETHYLSULFATE		
TETRACYCLINEHYDROCHLORIDE		
COLCHICINE	10/10,000	10
NICOTINE SULFATE	100/10,000	100
BENZOICACID		
URACIL MUSTARD		
CYCLOHEXIMIDE	100/10,000	100
METHANOL		
ISOPROPYLALCOHOL		
ACETONE		
CHLOROFORM	10,000	10
METHANETRICHORO-	10,000	10
HEXACHLOROETHANE		
DIMETHYLFORMAMIDE		
DIMETHYLFORMAMIDE,N,N-		
CYCLOHEXADIENEDIONETRIS(1-AZIRIDINYL)-		
TRIAZQUONE		

GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-		
HEXACHLOROPHENE		
PROPIOPHENONE,4-AMINO	100/10,000	100
BUTYLALCOHOLA		
BENZENE		
METHYLCHLOROFORM		
TRICHLOROETHANEA		
DIGITOXIN	100/10,000	100
ENDRIN	500/10,000	1
BENZENETRICHLOROETHYLIDENE)BIS [4-METHOXY-		
METHOXYCHLOR		
DDD		
DDE		
TRYPAN BLUE		
METHANE		
BROMOMETHANE	1,000	1,000
METHYLBROMIDE	1,000	1,000
ETHANE		
ETHENE		
ETHYLENE		
ACETYLENE		
ETHYNE		
CHLOROMETHANE		
METHANECHLORO-		
METHYLCHLORIDE		
METHYLIODIDE		
METHANAMINE		
MONOMETHYLAMINE		
HYDROCYANICACID	100	10
HYDROGENCYANIDE	100	10
METHANETHIOL	500	100
METHYLMERCAPTAN	500	100
THIOMETHANOL	500	100
METHYLENEBROMIDE		
PROPANE		
PROPYNE		
PROPYNE		
CHLOROETHANE		
ETHANECHLORO-		
ETHYLCHLORIDE		
ETHENECHLORO-		
VINYLCHLORIDE		
ETHENEFLURO-		
VINYLFLUORIDE		
ETHANAMINE		
MONOETHYLAMINE		
ACETONITRILE		
ACETALDEHYDE		

ETHANETHIOL		
ETHYLMERCAPTAN		
DICHLOROMETHANE		
METHYLENECHLORIDE		
CARBONDISULFIDE	10,000	100
CYCLOPROPANE		
CALCIUMCARBIDE		
ETHYLENEOXIDE	1,000	10
OXIRANE	1,000	10
BROMOFORM		
TRIBROMOMETHANE		
DICHLOROBROMOMETHANE		
ISOBUTANE		
PROPANEMETHYL		
ISOPROPYLCHLORIDE		
PROPANECHLORO-		
ISOPROPYLAMINE		
PROPANAMINE		
DICHLOROETHANE		
ETHYLIDENEDICHLORIDE		
DICHLOROETHYLENE		
ETHENEDICHLORO		
VINYLDENECHLORIDE		
ACETYLCHLORIDE		
DIFLUOROETHANE		
ETHANEDIFLUORO		
ETHENEDIFLUORO		
VINYLDENEFLUORIDE		
DICHLOROFLUOROMETHANE		
HCFC-21		
CARBONICDICHLORIDE	10	10
PHOSGENE	10	10
CHLORODIFLUOROMETHANE		
HCFC-22		
METHANAMINEDIMETHYL		
TRIMETHYLAMINE		
AZIRIDINE, 2-METHYL	10,000	1
PROPYLENEIMINE	10,000	1
OXIRANEMETHYL-	10,000	100
PROPYLENEOXIDE	10,000	100
CACODYLIC ACID		
BROMOTRIFLUOROMETHANE		
HALON1301		
BUTYLAMINE-T		
BUTYLALCOHOLC		
CHLORODIFLUOROETHANE		
HCFC-142B		
CFC-11		

TRICHLOROFLUOROMETHANE		
TRICHLOROMONOFUOROMETHANE		
CFC-112		
DICHLORODIFLUOROMETHANE		
CFC-13		
CHLOROTRIFLUOROMETHANE		
PLUMBANETETRAMETHYL-	100	100
TETRAMETHYLLEAD	100	100
SILANETETRAMETHYL-		
TETRAMETHYLSILANE		
SILANECHLOROTRIMETHYL-	1,000	1,000
TRIMETHYLCHLOROSILANE	1,000	1,000
DIMETHYLDICHLOROSILANE	500	500
SILANEDICHLORODIMETHYL-	500	500
METHYLTRICHLOROSILANE	500	500
SILANETRICHLOROMETHYL-	500	500
ACETONE CYANOHYDRIN	1,000	10
METHYLLACTONITRILE	1,000	10
ACETALDEHYDE, TRICHLORO-		
CHLOROTRIFLUOROETHANE (HCFC-133A)		
HCFC-133A		
DICHLOROPROPIONIC ACID		
PENTACHLOROETHANE		
TRICHLOROACETYL CHLORIDE	500	500
CHLOROPICRIN		
ETHANETRICHLOROTRIFLUORO-		
FREON113		
CFC-114		
DICHLOROTETRAFLUOROETHANE		
CFC-115		
MONOCHLOROPENTAFLUOROETHANE		
HEPTACHLOR		
HEPTACHLOROTETRAHYDRO-4,7-METHANO-1		
TRIPHENYLTINHYDROXIDE		
HEXACHLOROCYCLOPENTADIENE	100	10
DICYCLOPENTADIENE		
DIMETHYLSULFATE	500	100
TABUN	10	10
TETRAETHYLLEAD	100	10
DIOXATHION	500	500
DEF		
TRIBUTYLTRITHIOPHOSPHATE (DEF)		
AMITON	500	500
ISOPHORONE		
OXETANE, 3,3-BIS(CHLOROMETHYL)-	500	500
BUTANEMETHYL-		
ISOPENTANE		
BUTADIENEMETHYL		

ISOPRENE		
BUTYLAMINE-I		
ISOBUTYRONITRILE	1,000	1,000
PROPANENITRILEMETHYL-	1,000	1,000
ISOBUTYL ALCOHOL		
ISOBUTYRALDEHYDE		
DICHLOROPROPANE12		
PROPANEDICHLORO-		
DICHLOROPROPENE23		
BUTYLALCOHOLB		
METHYLETHYLKETONE		
METHYLETHYLKETONE (MEK)		
METHYLVINYL KETONE	10	10
LACTONITRILE	1,000	1,000
DICHLOROPROPANE11		
TRICHLOROETHANEB		
TRICHLOROETHYLENE		
ACRYLAMIDE	1,000/10,000	5,000
PROPIONICACID		
ACRYLICACID		
CHLOROACETICACID	100/10,000	100
THIOSEMICARBAZIDE	100/10,000	100
ETHANEPEROXOICACID	500	500
PERACETICACID	500	500
CARBONOCHLORIDICACIDMETHYLESTER	500	1,000
METHYLCHLOROCARBONATE	500	1,000
METHYLCHLOROFORMATE	500	1,000
BUTYRIC ACIDISO		
TETRACHLOROETHANE		
ETHENECHLOROTRIFLU		
TRIFLUOROCHLOROETHYL		
DIMETHYLCARBAMYL		
NITROPROPANE		
TETRABROMOBISPHENOLA		
ISOPROPYLIDENED		
CUMENEHYDROPEROXIDE		
HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-		
METHYLMETHACRYLATE		
METHYLCHLOROACRYLATE	500	500
SACCHARIN		
SACCHARIN AND SALTS		
WARFARIN	500/10,000	100
WARFARIN SALTS, WHEN PRESENT AT CONCENTRATIONS		
CIFOODRED15		
AMINOMETHYLANTH		
DIPHACINONE	10/10,000	10
PCNB		
PENTACHLORONITROBENZENE (PCNB)		

QUINTOZENE		
ACENAPHTHENE		
DIETHYLPHTHALATE		
BUTYLPHTHALATE		
DIBUTYLPHTHALATE		
DIQUAT		
PHENANTHRENE		
PHTHALICANHYDRIDE		
BUTYLBENZYLPHTHALA		
NITROSODIPHENYLA		
AZINPHOS-METHYL	10/10,000	1
GUTHION	10/10,000	1
FLUORENE		
ANTU	500/10,000	100
THIOUREANAPHTHALENYL-XYLIDINE	500/10,000	100
DICHLOROPHENOL		
HEXACHLOROBUTAD		
HEXACHLOROBUTADIENE		
PCP		
PENTACHLOROPHENOLP		
ANILINE, 2,4,6-TRIMETHYL-	500	500
TRICHLOROPHENOL-E		
NITROTOLUENE-O		
NITROPHENOLA		
DINITROBUTYL PHENOL	100/10,000	1,000
DINOSEB	100/10,000	1,000
PICRICACID		
ANISIDINEA		
PHENYLPHENOL		
MICHLERSKETONE		
BENZENEDIISOCYANATOMETHYLB	100	100
TOLUENEDIISOCYANATEB	100	100
NAPHTHALENE		
QUINOLINE		
CHLORONAPHTHALENE		
NAPHTHYLAMINEB		
DIETHYLANILINE		
METHAPYRILENE		
DIMETHOXYBENZIDINEDIISOCYANATE		
DICHLOROBENZIDINE		
DIMETHYLDIPHENYLENEDIISOCYANATE		
BIPHENYL		
AMINOBIHENYL		
BENZIDINE		
NITROBIHENYL		
MECOPROP		
SILVEX (2,4,5-TP)		



T ACID		
T ESTERS		
D ESTERS		
D ISOPROPYL ESTER		
BENZOYLPEROXIDE		
DIHYDROSAFROLE		
SAFROLE		
CHLOROMETHYLPHENOXYACETICACID		
MCPA		
METHOXONE		
ACETICACIDDICHLOROPHENOXY)-		
D		
D ACID		
D SALTS		
D ESTERS		
D BUTYL ESTER		
D ESTERS		
DB		
BENZENEDIMETHYL-O		
XYLENEB		
CRESOLB	1,000/10,000	100
DICHLOROBENZENE		
DICHLOROBENZENE A		
TOLUIDINE		
PHENYLENEDIAMINE		
CHLOROPHENOL		
TRIMETHYLBENZ		
CHLOROTOLUIDINE		
DIAMINOTOLUENE A		
TETRACHLOROBENZENE		
TRICHLOROPHENOL-D		
STYRENEOXIDE		
DBCP		
DIBROMOCHLORO		
TRICHLOROPROPANE		
METHYLACRYLATE		
ETHYLENETHIOUREA		
DICHLOROPHENE		
METHYLENEBISCHLOROPHENOL		
CISOLVENTYELLOW A		
ETHYLMETHACRYLATE		
FURFURAL		
BENZENEARSONIC ACID	10/10,000	10
BENZOICTRICHLORIDE	100	10
BENZOTRICHLORIDE	100	10
BENZENESULFONYL CHLORIDE		
TRICHLOROPHENYLSILANE	500	500
BENZENAMINE, 3-(TRIFLUOROMETHYL)-	500	500

CUMENE		
ACETOPHENONE		
BENZALCHLORIDE	500	5,000
BENZOYLCHLORIDE		
NITROBENZENE	10,000	1,000
NITROTOLUENE-M		
DICHLORAN		
DICHLORONITROANILINE		
TRINITROBENZENE		
NITROTOLUIDINE		
NITROANISIDINE		
DINITROBENZENEM		
DIMETHYLPHENYLENEDIAMINE	10/10,000	10
NITROTOLUENE-P		
NITROANILINE		
NITROPHENOLB		
NITROPHENOL-P		
BENZENECHLOROMETHYL)-4-NITRO-	500/10,000	500
DINITROBENZENEP		
ETHYLBENZENE		
STYRENEMONOMER		
BENZYLCHLORIDE	500	100
BENZONITRILE		
NITROSOPIPERIDINE		
ANILAZINE		
DICHLOROCHLOROPHENYLTRIAZIN-2-AMINE		
MBOCA		
METHYLENEBISCHLORO		
BARBAN		
BROMOPHENYL PHENYL ETHER		
METHYLENEBISDIMETH		
MDI		
METHYLENEBISPHENYL		
METHYLENEDIANI		
DIAMINODIPHENYL		
DIGLYCIDYLRESORCINOL ETHER		
ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	500/10,000	500
PHENYLTHIOUREA	100/10,000	100
CHLOROPHENYLISOCYANATE		
PHENYLENEDIISOCYANATE		
ANISIDINEB		
BUTYLACETATE-S		
DIMETHYLPHENOL		
BENZENEDIMETHYL-P		
XYLENEC		
CRESOLC		
DICHLOROBENZENEC		
CHLOROANILINE		

TOLUIDINE		
PHENYLENEDIAMINE		
BENZOQUINONE		
QUINONE		
BUTYLENEOXIDE		
EPICHLOROHYDRIN	1,000	100
OXIRANECHLOROMETHYL-	1,000	100
DIBROMOETHANEE		
ETHYLENEDIBROMIDE		
PROPARGYL BROMIDE	10	10
BUTANE		
BUTENE1		
BUTADIENE		
BUTYNE		
ETHYLACETYLENE		
BUTENE2		
ACROLEIN	500	1
PROPENAL	500	1
ALLYLCHLORIDE		
DICHLOROETHANE		
ETHYLENEDICHLORIDE		
CHLOROETHANOL	500	500
PROPYLAMINE		
ALLYLAMINE	500	500
PROPENAMINE	500	500
ETHYLCYANIDE	500	10
PROPANENITRILE	500	10
PROPIONITRILE	500	10
ACRYLONITRILE	10,000	100
PROPENENITRILE	10,000	100
ETHANEDIAMINE	10,000	5,000
ETHYLENEDIAMINE	10,000	5,000
FORMALDEHYDECYANOHYDRIN	1,000	1,000
ALLYLALCOHOL	1,000	100
PROPENOL	1,000	100
PROPARGYL ALCOHOL		
CHLOROACETALDEHYDE		
ETHYLENEGLYCOL		
ETHENEMETHOXY-		
VINYLMETHYLEETHER		
CHLOROMETHYLMETHYLEETHER	100	10
METHANECHLOROMETHOXY-	100	10
FORMICACIDMETHYL		
METHYLFORMATE		
SARIN	10	10
TEPP	100	10
TETRAETHYLPYROPHOSPHATE	100	10
BUTYRIC ACID		

ACETICACIDETHENYLESTER	1,000	5,000
VINYLACETATE	1,000	5,000
VINYLACETATEMONOMER	1,000	5,000
METHYLISOBUTYLKETO		
CARBOCHLORIDICACIDMETHYLETHYL ESTER	1,000	1,000
ISOPROPYLCHLOROFORMATE	1,000	1,000
ACETICANHYDRIDE		
MALEICANHYDRIDE		
BENZENEDIMETHYL-M		
XYLENEA		
CRESOLA		
PHENYLENEDIAMINE		
RESORCINOL		
BISCHLOROMETHYLETHYL		
DICHLOROISOPROPYL ETHER		
TOLUENE		
CHLOROENZENE		
CYCLOHEXANAMINE	10,000	10,000
CYCLOHEXYLAMINE	10,000	10,000
CYCLOHEXANOL		
CYCLOHEXANONE		
PHENOL	500/10,000	1,000
BENZENETHIOL	500	100
THIOPHENOL	500	100
METHYLPYRIDINE		
PICOLINE		
CARBOCHLORIDICACIDPROPYLESTER	500	500
PROPYLCHLOROFORMATE	500	500
PENTANE		
PENTENE		
BUTYLAMINE		
MALONONITRILE	500/10,000	1,000
METHOXYETHANOL		
DIETHYLAMINE		
ETHENEETHOXY-		
VINYLETHYLEETHER		
ETHYLNITRITE		
NITROUSACIDETHYL		
FURAN, TETRAHYDRO-		
FURAN	500	100
MALEICACID		
FUMARIC ACID		
BUTYLACETATE-I		
HEXANE		
HEXANE-N		
DICHLOROBUTENE	500	500
DICHLOROBUTENE	500	500
CHLOROETHYLVINYL ETHER		

ETHANOLETHOXY		
ETHOXYETHANOL		
CYCLOHEXANE		
PYRIDINE		
PIPERIDINE	1,000	1,000
DIETHANOLAMINE		
BISCHLOROETHYLEETHER	10,000	10
DICHLOROETHYLEETHER	10,000	10
ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS		
ADIPONITRILE	1,000	1,000
BISCHLOROETHOXYMETHANE		
PHENOLMETHYLETHOXYMETHYLCARBAMATE		
PROPOXUR		
AZASERINE		
PROPENE		
PROPENE1		
PROPYLENE		
METHANEOXYBIS-		
METHYLEETHER		
METHYLPROPENE		
PROPENEMETHYL-		
TRICHLOROETHYLSILANE	500	500
DIMEFOX	500	500
CHLORENDIC ACID		
ENDOSULFAN	10/10,000	1
BENZENEMETHANOLCHLORO-.ALPHA.-4-CHLOROPHENYL)-.ALPHA.-()		
DICOFOL		
FENSULFOTHION	500	500
ALDICARB	100/10,000	1
ETHENETETRAFLURO-		
TETRAFLUROETHYLENE		
AMINOANTHRAQUINONE		
DICHLONE		
BISETHYLHEXYLPHTHALATE		
DEHP		
DIETHYLHEXYLPHT		
DIOCTYLPHTHALATE		
DIOCTYLPHTHALATE		
HEXACHLOROBENZENE		
ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARE	500	100
DIMETHOXYBENZID		
DIMETHYLBENZIDI		
TOLIDINE		
ANTHRACENE		
DP		
ISOSAFROLE		
CRESIDINE		
CATECHOL		

TRICHLOROBEENZE		
DICHLOROPHENOL		
DINITROTOLUENEB		
PYRETHRINS		
PYRETHRINS		
TRIETHYLAMINE		
DIMETHYLANILINE		
MALATHION		
BENZENEETHANAMINE, ALPAH,ALPHA-DIMETHYL- +		
SIMAZINE		
DIPHENYLAMINE		
PROPHAM		
DIPHENYLHYDRAZI		
HYDRAZINEDIPHENYL-		
HYDRAZOBENZENE		
HYDROQUINONE	500/10,000	100
MALEICHYDRAZIDE		
PROPIONALDEHYDE		
PHENYLENEDIISOCYANATE		
PROPIONICANHYDRIDE		
PARALDEHYDE		
BUTYRALDEHYDE		
BUTENAL, (E)-	1,000	100
CROTONALDEHYDE, (E)-	1,000	100
BUTYLACETATE		
DIOXANE		
AMYLACETATE-I		
ADIPIC ACID		
DIMETHYLAMINE		
METHANAMINEMETHYL		
SODIUM METHYLATE		
CHLORODIBROMOMETHANE		
SODIUM CACODYLATE	100/10,000	100
DIBROMOTETRAFLUROETHANE		
HALON2402		
PICROTOXIN	500/10,000	500
TRISDIBROMOPROP		
METHACRYLONITRILE	500	1,000
PROPENENITRILEMETHYL-	500	1,000
CHLOROPRENE		
PERCHLOROETHYLENE		
TETRACHLOROETHYLENE		
ZINCPHENOLSULFONATE		
POTASSIUMDIMETHYLDITHIOCARBAMATE		
SODIUM DIMETHYLDITHIOCARBAMATE		
CIVATYELLOW4		
PYRENE	1,000/10,000	5,000
WARFARIN SODIUM	100/10,000	100

NAPHTHOQUINONE		
DIMETHYLPHTALATE		
SODIUM PENTACHLOROPHENATE		
AMMONIUMPICRATE		
CYCLOHEXYLDINITROPHENOL		
SODIUM PHENYLPHENOXIDE		
DIBENZOFURAN		
CAPTAN		
ISOINDOLETIONETETRAHYDROTRICHO		
FOLPET		
BENZOICACIDAMINODICHLORO-		
CHLORAMBEN		
ANISIDINEHYDROCHL		
NAPHTHYLAMINEA		
BENZENEAMINEHYDROXYNITROSO, AMMONIUM SALT		
CUPFERRON		
DIPROPYLISOCINCHOMERONATE		
THIRAM		
ZIRAM		
POTASSIUMMETHYLDITHIOCARBAMATE		
METHAMSODIUM		
SODIUM METHYLDITHIOCARBAMATE		
DISODIUMCYANODITHIOIMIDOCARBONATE		
NITRILOTRIACETICACI		
DIMETHYLDIPHENYLMETHANEDIISOCYANATE		
THIODIANILINE		
BENZYL CYANIDE	500	500
PYRIDINEMETHYLVINYL-	500	500
ETHYLACRYLATE		
BUTYLACRYLATE		
DICROTOPHOS	100	100
ETHYLACETATE		
DICHLOROPROPANE13		
NABAM		
CUPRIC ACETATE		
DIPROPYLAMINE		
SODIUM CYANIDE (Na(CN))	100	10
KEPONE		
FLUOROACETIC ACID	10/10,000	10
ENDOTHALL		
THIABENDAZOLE		
THIAZOLYLBENZIMIDAZOLE		
MELPHALAN		
MBT		
MERCAPTOBENZOTHIAZOLE (MBT)		
DICHLOROMETHYLPHENYLSILANE	1,000	1,000
MERPHOS		
MONURON		

METHOXYETHYLMERCURIC ACETATE	500/10,000	500
POTASSIUMCYANIDE	100	10
AZIRIDINE	500	1
ETHYLENEIMINE	500	1
DIPHOSPHORAMIDE, OCTAMETHYL-	100	100
NITROSODIPHENYLB		
DICHLOROETHYLENE		
CALCIUMCYANAMIDE		
BENZOPENTAPHENE		
DIBENZPYRENEAI		
DIBENZOPYRENEAH		
BENZOPERYLENE		
DIBENZOPYRENEAL		
DIBENZOPYRENEAE		
INDENO(1,2,3-CD)PYRENE		
DIBENZOCARBAZOLECG		
BENZOFLUORANTHENEJ		
BENZOFLUORANTHENE		
FLUORANTHENE		
BENZOFLUORANTHENEK		
ACENAPHTHYLENE		
BENZOPHENANTHRENE		
CHRYSENE		
DIBENZACRIDINEAJ		
BENZACRIDINE		
DIBENZACRIDINEAH		
ISOBENZAN	100/10,000	100
DIETHYLPYRAZINYL PHOSPHOROTHIOATE	500	100
THIONAZIN	500	100
METHYLPARATHION	100/10,000	100
PARATHION-METHYL	100/10,000	100
PHORATE	10	10
DISULFOTON	500	1
AMPHETAMINE	1,000	1,000
NALED		
LEADACETATE		
ETHYLSULFINYLETHYLDIMETHYLESTERPHOSPHOROTHIOI		
OXYDEMETONMETHYL		
HYDRAZINE	1,000	1
LASIOCARPINE		
CHLORAMBUCIL		
DICHLOROTRIFLUOROETHANE22		
HCFC-123		
ALDRIN	500/10,000	1
DIMETHANONAPHTHALENEHEXACHLORO-1,4,4	500/10,000	1
DIETHYLNITROPHENYL PHOSPHATE		
BROMACIL		
BROMOMETHYLMETHYLPROPYLPYRIMIDINEDI		



MEXACARBATE	500/10,000	1,000
EMETINE, DIHYDROCHLORIDE	1/10,000	1
BHC		
HEXACHLOROCYCLOHEXANEALPHA		
BHC		
BHC		
TRICHLORONATE	500	500
DINITROPHENOLC		
DIURON		
LINURON		
DIAZINON		
DIAZOMETHANE		
BORON TRIFLUORIDE COMPOUND WITH METHY	1,000	1,000
BORONTRIFLUORO[OXYBIS[METHANE]], (T-4)-	1,000	1,000
CARBONIC DIFLUORIDE		
BROMOCHLORODIFLUOROMETHANE		
HALON1211		
HCFC-121A		
TETRACHLOROFLUOROETHANE (HCFC-121A)		
HCFC-121		
TETRACHLOROFLUOROETHANE (HCFC-121)		
DICHLOROTRIFLUOROETHANE12		
HCFC-123A		
CHLOROTETRAFLUOROETHANE1		
HCFC-124A		
BRUCINE		
FLUOROACETYL CHLORIDE	10	10
ETHYLENEFLUOROHYDRIN	10	10
ERGOTAMINE TARTRATE	500/10,000	500
DICHLOROPENTAFLUOROPROPANE (HCFC-225BB)		
HCFC-225BB		
DICHLOROPENTAFLUOROPROPANE (HCFC-225BA)		
HCFC-225BA		
DICHLOROPENTAFLUOROPROPANE (HCFC-225CA)		
HCFC-225CA		
DICHLOROPENTAFLUOROPROPANE (HCFC-225DA)		
HCFC-225DA		
CYANOGEN		
ETHANEDINITRILE		
CHLOROTRIFLUOROPROPANE (HCFC-253FB)		
HCFC-253FB		
PROPADIENE		
PROPADIENE		
CARBONOXIDESULFIDE		
CARBONYLSULFIDE		
DIMETHYLPROPANE		
PROPANEDIMETHYL		
ISODRIN	100/10,000	1

CHLORFENVINFOS	500	500
AURAMINE		
CISOLVENTYELLOWC		
CHLORNAPHAZINE		
DIAMINOTOLUENE		
METHYLMERCURIC DICYANAMIDE	500/10,000	500
AMINOPYRIDINE	500/10,000	1,000
PYRIDINEAMINO-	500/10,000	1,000
PENTADIENE		
ETHANETHIOBISCHLORO-	500	500
MUSTARDGAS	500	500
POTASSIUMSILVERCYANIDE	500	1
SILVERCYANIDE		
CYANOGENBROMIDE	500/10,000	1,000
CYANOGENCHLORIDE		
CYANOGENCHLORIDE ((CN)CL)		
CYANOGENIODIDE	1,000/10,000	1,000
AMMONIUMCARBONATE		
ACETYLBROMIDE		
DICHLOROPENTAFLUOROPROPANE (HCFC-225CB)		
HCFC-225CB		
METHANETETRANITRO-	500	10
TETRANITROMETHANE	500	10
BENZENEACETICACIDCHLORO-.ALPHA.-(4-CHLOROPHENYL)-.ALPHA		
CHLOROBENZILATE		
BUTYLAMINE-S		
DITHIAZANINE IODIDE	500/10,000	500
DINITROBENZENEO		
CHLOROACETOPHENONE		
DAZOMET		
TETRAHYDRODIMETHYLTHIADIAZINETHIONE		
BISCHLOROMETHYLKETONE	10/10,000	10
DINITROCRESOL	10/10,000	10
DINITROCRESOL	10/10,000	10
DINITROOCRESOL AND SALTS		
CRIMIDINE	100/10,000	100
ETHYLBISCHLOROETHYL)AMINE	500	500
DICHLOROETHYLENE		
HYDRAZINEDIMETHYL-		
TRIMETHYLPENTANE		
BUTYLACETATE-T		
URANYL ACETATE		
LEWISITE	10	10
ETHYLCHLOROFORMATE		
DITHIOBIURET	100/10,000	100
DITHIOBIURET-2,4	100/10,000	100
DICHLOROBENZENE B		
BARIUM CYANIDE		

DICHLOROPROPENE13		
DICHLOROPROPYLEN		
CHLOROPROPIONITRILE	1,000	1,000
PROPIONITRILE, 3-CHLORO-	1,000	1,000
BISCHLOROMETHYLEETHER	100	10
CHLOROMETHYLEETHER	100	10
DICHLOROMETHYLEETHER	100	10
METHANEOXYBIS[CHLORO-	100	10
ETHYLTHIOCYANATE	10,000	10,000
CADMIUM ACETATE		
COBALTOUS FORMATE		
COPPER CYANIDE		
LITHIUMCARBONATE		
NITROPHENOL-M		
TRIS(2-CHLOROETHYL)AMINE	100	100
ISOTHIOCYANATOMETHANE	500	500
METHYLISOTHIOCYANATE	500	500
METHYLTHIOCYANATE	10,000	10,000
THIOCYANICACIDMETHYLESTER	10,000	10,000
NICKELCYANIDE		
ZINCCYANIDE		
ZINCACETATE		
ZINCFORMATE		
CHLOROPROPYLENE		
PROPENECHLORO-2		
METHANESULFONYL FLUORIDE	1,000	1,000
ETHION	1,000	10
SEMICARBAZIDE HYDROCHLORIDE	1,000/10,000	1,000
METHYLBUTENE3		
METHYLBUTENE2		
CHLOROMETHYLPROPENE		
THALLIUMACETATE		
CIBASICGREEN4		
DINITROPHENOLD		
BENZENEDIISOCYANATOMETHYLA	500	100
TOLUENEDIISOCYANATEA	500	100
BUTENE-CIS		
CHLOROPROPYLENE		
PROPENECHLORO-1		
ACETYLTHIOUREA		
CALCIUMCYANIDE		
MERCURICCYANIDE		
MERCURICTHIOCYANATE		
LEADTHIOCYANATE		
VINYLBROMIDE		
METHANESULFENYLCHLORIDETRICHORO-	500	100
PERCHLOROMETHYLMERCAPTAN	500	100
TRICHLOROMETHANESULFENYL CHLORIDE	500	100

TETRAETHYLTIN	100	100
BROMOACETONE		
BROMOTRIFLUOROETHYLEN		
ETHENEBROMOTRIFLUORO		
DINITROTOLUENEC		
HEXACHLOROCYCLOHEXANEALL		
PENTACHLOROBENZENE		
TRICHLOROPHENOL-F		
DINITROTOLUENED		
DIMETHYLBENZIDINEDIHYDROCHLORIDE		
TOLIDINEDIHYDROCHLORIDE		
DICHLOROBENZIDINEDIHYDROCHLORIDE		
THIOUREA, (2-METHYLPHENYL)-	500/10,000	500
DIAMINOANISOLE		
PHENYLENEDIAMINEDIHYDROCHLORIDE		
NITROSOMETHYLURETHANE		
DIPROPYLNITROSAMINE		
NITROSODIPROPYL		
PHENYLENEDIAMINEDIHYDROCHLORIDE		
BUTENE-E		
BUTENE-TRANS		
METHANEISOCYANATO-	500	10
METHYLISOCYANATE	500	10
AMYLACETATE-T		
AMYLACETATE-S		
CHLOROETHYLCHLOROFORMATE	1,000	1,000
PENTENEZ		
AMYLACETATE		
MERCURY FULMINATE		
SELENOUREA		
ETHANETETRACHLORO-		
TETRACHLOROETHANE		
OUABAIN	100/10,000	100
AMMONIUMACETATE		
TOLUIDINEHYDROCHL		
TRIPHENYLTIN CHLORIDE	500/10,000	500
FLUOROACETAMIDE	100/10,000	100
DIMETILAN	500/10,000	1
PENTENEE		
CYANURICFLUORIDE	100	100
METHYLPHOSPHONIC DICHLORIDE	100	100
HEXAMETHYLPHOSPHO		
NITROSOMETHYLUR		
BUTENYNE		
VINYLACETYLENE		
DIETHYLARSINE		
DICHLOROPHENYLARSINE	500	1
PHENYLDICHLOROARSINE	500	1

DICHLOROPHENYLPROPANAMIDE		
PROPANIL		
HEXAETHYL TETRAPHOSPHATE		
NITROSOETHYLURE		
EPTC		
ETHYLDIPROPYLTHIOCARBAMATE EPTC		
METHACRYLIC ANHYDRIDE	500	500
BUTENEDICHLORO-		
DICHLOROBUTENE2		
GLYCIDYLALDEHYDE		
CARBOPHENOTHION	500	500
DICHLOROTRIFLUOROETHANE11		
HCFC-123B		
DIETHYLCHLOROPHOSPHATE	500	500
ACRYLYL CHLORIDE	100	100
PROPENOYLCHLORIDE	100	100
CUPRIC TARTRATE		
HEXAMETHYLENEDIISOCYANATE		
DIAMINOTOLUENE		
TRIMETHYLOLPROPANE PHOSPHITE	100/10,000	100
AMETRYN		
ETHYLMETHYLETHYLMETHYLTHIO)-1,3,5,-TRIAZINE-2,		
CISOLVENTYELLOWB		
METHYLPYRROLIDONE		
STANNANE,ACETOXYTRIPHENYL-	500/10,000	500
DEMETON-S-METHYL	500	500
METHACRYLOYL CHLORIDE	100	100
NITROSODIBUTYLA		
METHYLOLACRYLAMIDE		
NITROSOPYRROLIDINE		
TRICHLOROPHENOL-C		
TRICHLOROPHENOL-B		
FONOFOS	500	500
PHOSFOLAN	100/10,000	100
MEPHOSFOLAN	500	500
METHIDATHION	500/10,000	500
DIPHENAMID		
ENDOSULFAN		
PHOSPHORICACIDCHLOROTRICHLOROPHENYL) ETHENYL		
TETRACHLORVINPHOS		
CIBASICRED1		
NORBORMIDE	100/10,000	100
TRIETHOXYSILANE	500	500
CHLORMEQUAT CHLORIDE	100/10,000	100
HEPTACHLOR EPOXIDE		
ENDOSULFAN SULFATE		
TRIAMIPHOS	500/10,000	500
CHROMIC ACETATE		

AMMONIUMBICARBONATE		
TRIMETHYLTIN CHLORIDE	500/10,000	500
LEADSTEARATE		
AMMONIUMCARBAMATE		
BUTYLETHYLCARBAMOTHIOICACIDPROPYLESTER		
PEBULATE		
NITROSODIETHANOLAMINE		
PROPANESULTONE		
PROPANESULTONE		
NITROCYCLOHEXANE	500	500
PYRIDINENITROOXIDE	500/10,000	500
METOLCARB	100/10,000	1,000
CYCLOATE		
DECABROMODIPHENYLOX		
FERRICAMMONIUMCITRATE		
DICHLOBENIL		
XYLENOL		
ARSENIC PENTOXIDE	100/10,000	1
ARSENIC DISULFIDE		
ARSENIC TRISULFIDE		
CADMIUM OXIDE	100/10,000	100
ANTIMONYTRIOXIDE		
POTASSIUMHYDROXIDE		
SODIUM HYDROXIDE		
MOLYBDENUMTRIOXIDE		
THORIUMDIOXIDE		
THALLIC OXIDE		
VANADIUM PENTOXIDE	100/10,000	1,000
SULFURPHOSPHIDE		
ZINCPHOSPHIDE	500	100
ZINCPHOSPHIDE	500	100
ZINCPHOSPHIDE	500	100
LEADSULFIDE		
T AMINES		
CRESOLMIXEDISOMER		
D ESTERS		
D PROPYLENE GLYCOL BUTYL ETHER ESTER		
NITROTOLUENE		
ARSENIC ACID		
ARSENIC TRIOXIDE	100/10,000	1
ARSENOUS OXIDE	100/10,000	1
XYLENEMIXEDISOMER		
ZINCBORATE		
ASBESTOS		
HYDROGEN		
SODIUM BIFLUORIDE		
LEADSUBACETATE		
HEXACHLORONAPHTHA		

AMMONIUMHYDROXIDE		
PCBS		
POLYCHLORINATEDBIPH		
METHYLETHYLKETONEPEROXIDE		
NAPHTHENIC ACID		
AMMONIUMBIFLUORIDE		
ALUMINUMOXIDE		
ANTIMYCIN A	1,000/10,000	1,000
DINOTERB	500/10,000	500
BIOXIRANE	500	10
DIEPOXYBUTANE	500	10
TRICHLOROCHLOROMETHYL)SILANE	100	100
CARBOFURANPHENOL		
CARBOFURAN	10/10,000	10
BENEZENEAMINEDINITRODIPROPYL-4-(TRIFLUOROMETHYL)-		
TRIFLURALIN		
MERCURICACETATE	500/10,000	500
HYDRAZINEDIETHYL-		
ETHANESULFONYL CHLORIDE, 2-CHLORO-	500	500
METHYLTBUTYLET		
ALDICARBSULFONE		
DICHLORODIFLUOROETHANE (HCFC-132B)		
HCFC-132B		
BROMOXYNIL		
DIBROMOHYDROXYBENZONITRILE		
BROMOXYNIL OCTANOATE		
OCTANOIC ACIDDIBROMOCYANOPHENYL ESTER		
DICHLOROFLUROETHANE		
HCFC-141B		
TETRACHLORODIBENZO-P-DIOXIN (TCDD)		
ACETONE THIOSEMICARBAZIDE	1,000/10,000	1,000
AMMONIUMTHIOCYANATE		
BENZENEDICHLORONITROPHENOXY)-		
NITROFEN		
BENFLURALIN		
BUTYLETHYLDINITROTRIFLUOROMETHYLBENZENAMINE		
AMMONIUMBENZOATE		
HEXACHLOROPROPENE		
BENZENEDICARBONITRILETETRACHLORO-		
CHLOROTHALONIL		
PARAQUATDICHLORIDE	10/10,000	10
ATRAZINE		
CHLOROETHYLMETHYLETHYL)-1,3,5-TRIAZINE-2,4-DIAMI		
DICAMBA		
DICHLOROMETHOXYBENZOICACID		
PICLORAM		
CHLOROMETHYLETHYLPHENYLACETAMIDE		
PROPACHLOR		

D ESTERS		
DETHYLHEXYL ESTER		
T ESTERS		
D ESTERS		
BUTOXYETHYL ESTER-2,4-D		
D ESTERS		
CHLOROTRICHLOROMETHYLPYRIDINE		
NITRAPYRIN		
CIDIRECTBLACK38		
CHLOROXYURON	500/10,000	500
DICHLOROMETHOXYBENZOICACIDSODIUM SALT		
SODIUM DICAMBA		
TRIBUTYL TIN FLUORIDE		
VALINOMYCIN	1,000/10,000	1,000
T AMINES		
MERCAPTODIMETHUR	500/10,000	10
METHIOCARB	500/10,000	10
PARAQUATMETHOSULFATE	10/10,000	10
PHENYLSILATRANE	100/10,000	100
EPN	100/10,000	100
TRIBUTYL TIN METHACRYLATE		
DIPOTASSIUM ENDOTHALL		
OXABICYCLOHEPTANEDICARBOXYLICACID DIPOTASSIUM		
FLUOMETURON		
UREADIMETHYLTRIFLUOROMETHYLPHENYL]-		
AZEPINECARBOTHIOICACID HEXAHYDRO-S-ETHYL ESTER		
MOLINATE		
CADMIUM STEARATE	1,000/10,000	1,000
THIOCARBAZIDE	1,000/10,000	1,000
OCTACHLORONAPHTHALEN		
DIGLYCIDYL ETHER	1,000	1,000
PROTHOATE	100/10,000	100
DIMETHYLAMINE DICAMBA		
CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-S-(2,3-DICHLORO-		
DIALATE		
TRIALATE		
PROPARGITE		
CHINOMETHIONAT		
METHYLDITHIOLOQUINOXALIN-2-ONE		
DODECYLGUANIDINEMONOACETATE		
DODINE		
OXYDISULFOTON	500	500
DIMETHYLCHLOROTHIOPHOSPHATE	500	500
DIMETHYLPHOSPHOROCHLORIDOTHIOATE	500	500
FORMOTHION	100	100
T ESTERS		
CYCLOHEXANEDIISOCYANATE		
PENTADECYLAMINE	100/10,000	100



PHOSPHOROTHIOICACIDDIMETHYLMETHYLTHIO	500	500
CIDIRECTBLUE6		
PROMECARB	500/10,000	1,000
CYANOPHOS	1,000	1,000
AZINPHOS-ETHYL	100/10,000	100
TRIMETHYLPHENYLMETHYLCARBAMATE		
PHOSPHONOTHIOIC ACID, METHYL-, O-(4-NITRO	500	500
SULFURYLFUORIDE		
VIKANE		
DSODIUM SALT		
PHOSPHONOTHIOIC ACID, METHYL-, O-ETHYL O	500	500
THALLOUS MALONATE	100/10,000	100
AMINOMETHYLISOXAZOLOL	500/10,000	1,000
MUSCIMOL	500/10,000	1,000
DIQUAT		
ENDOTHION	500/10,000	500
CIDISPERSEYELLOW		
CHLOROTETRAFLUOROETHANE2		
HCFC-124		
CHLORPYRIFOS		
FERRICAMMONIUMOXALATE		
CHLOROCROTYL ESTER		
D ESTERS		
AMMONIUMCITRATE, DIBASIC		
SILANE, (4-AMINOBTYL)DIETHOXYMETHYL-	1,000	1,000
CISOLVENTORANGE		
AMMONIUMTARTRATE		
CHLOROTOLUIDINE, HYDROCHLORIDE		
NAPHTHALENE DIISOCYANATE		
CUPRIC NITRATE		
PHOSPHORICACIDDIMETHYL 4-(METHYLTHIO) P	500	500
OCTACHLORODIBENZODIOXIN		
DIETHYLMETHYLDITHIOPHOSPHATE		
TEMEPHOS		
ZINCCARBONATE		
DDE		
SULFOXIDE, 3-CHLOROPROPYL OCTYL	500	500
BENZIMIDAZOLE,4,5-DICHLORO-2-(TRIFLUOROM	500/10,000	500
CHLOROMETHYLPHENOXYACETATESODIUMSALT		
METHOXONESODIUM SALT		
SULFOTEP	500	100
TETRAETHYLDITHIOPYROPHOSPHATE	500	100
CHLOROPHACINONE	100/10,000	100
METHYLCHRYSENE5		
AMITON OXALATE	100/10,000	100
METHYLPHENKAPTON	500	500
CIFOODRED05		
T AMINES		

FUBERIDAZOLE	100/10,000	100
BITOSCANATE	500/10,000	500
CHLOROALLYLTRIAZA-1-AZONIAADAMANTANE CHLOR		
ISOPHORONE DIISOCYANATE	500	500
PHOSACETIM	100/10,000	100
DICHLOROSILANE		
SILANEDICHLORO-		
DIISOCYANATODIPHENYLETHER		
BUTENAL	1,000	100
CROTONALDEHYDE	1,000	100
FLUENETIL	100/10,000	100
PHENOLTHIOBIS[4-CHLORO-6-METHYL-	100/10,000	100
NITROSOMETHYLVINYL		
CIACIDGREEN3		
HEXAMETHYLENEDIAMINE, N,N'-DIBUTYL-	500	500
METHYLENEBISISOCYANATOCYCLOHEXANE)		
CARBOXIN		
DIHYDROMETHYLPHENYLOXATHIINCARBOXAMIDE		
THIOUREA, (2-CHLOROPHENYL)-	100/10,000	100
DIBENZOFUORANTHENEAE		
NITROPYRENE		
CHLORPYRIFOSMETHYL		
DIMETHYLTRICHLOROPYRIDYLPHOSPHOROTHIOATE		
COUMATETRALYL	500/10,000	500
CUPRIC OXALATE		
CHLORODIMETHYLETHYLMETHYLPYRIMIDIN		
TERBACIL		
ETHANOLOXYBISDICARBAMATE		
AMMONIUMOXALATE		
AMMONIUMOXALATE		
T AMINES		
T AMINES		
CIACIDRED114		
THALLIUMCARBONATE	100/10,000	100
THALLOUS CARBONATE	100/10,000	100
MONOCROTOPHOS	10/10,000	10
CHLOROPHENYLPHENYLETHER		
BISMETHYLETHYLMETHYLTHIOTRIAZINEDIA		
PROMETRYN		
ENDRIN ALDEHYDE		
LEADSTEARATE		
ALUMINUM		
LEAD		
MANGANESE		
MERCURY		
NICKEL		
SILVER		
SODIUM		

THALLIUM		
ANTIMONY		
ARSENIC		
BARIUM		
BERYLLIUM		
CADMIUM		
CHROMIUM		
COBALT		
COPPER		
VANADIUM		
ZINC		
ZINC		
SELENIUMDIOXIDE		
SULFURDIOXIDE	500	500
SULFURDIOXIDE	500	500
SULFURTRIOXIDE	100	100
LEADSULFATE		
THALLIUMSULFATE	100/10,000	100
THALLOUS SULFATE	100/10,000	100
LEADPHOSPHATE		
CUPRIC CHLORIDE		
MERCURICCHLORIDE	500/10,000	500
SELENIUMSULFIDE		
TITANIUMCHLORIDE (TiCl <sub>4</sub> ) (T-4)-	100	1,000
TITANIUMTETRACHLOR	100	1,000
SODIUM PHOSPHATE, DIBASIC		
LITHIUMHYDRIDE	100	100
SODIUM PHOSPHATE, TRIBASIC		
SODIUM ARSENATE	1,000/10,000	1
SODIUM BISULFITE		
SODIUM NITRITE		
BORANETRIFLUORO-	500	500
BORON TRIFLUORIDE	500	500
LEADARSENATE		
ZINCCHLORIDE		
HYDROCHLORICACID		
HYDROCHLORICACID		
HYDROCHLORICACIDAEROSOL		
HYDROGENCHLORIDE	500	5,000
HYDROGENCHLORIDE (Gas Only)	500	5,000
ANTIMONYPENTACHLORIDE		
PHOSPHORICACID		
HYDROFLUORICACID	100	100
HYDROFLUORICACID (CONC>)	100	100
HYDROGENFLUORIDE	100	100
HYDROGENFLUORIDE (ANHYDROUS)	100	100
AMMONIA	500	100
AMMONIA	500	100

AMMONIAS		
SULFURICACID	1,000	1,000
SULFURICACID	1,000	1,000
SODIUM FLUORIDE		
SODIUM HYPOCHLORITE		
DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A		
TETRAMETHRIN		
NITRICACID	1,000	1,000
NITRICACID	1,000	1,000
ZINCBROMIDE		
FERRICCHLORIDE		
NICKELCHLORIDE		
PHOSPHOROUSTRICHLORIDE	1,000	1,000
PHOSPHORUS TRICHLORIDE	1,000	1,000
FERROUSSULFATE		
POTASSIUMPERMANGANATE		
HYDROGENPEROXIDE (Conc.> 52%)	1,000	1,000
PHOSPHORUS	100	1
PHOSPHORUS	100	1
BROMINE	500	500
ZINCSULFATE		
CHROMIC ACID		
POTASSIUMBROMATE		
SODIUM PHOSPHATE, TRIBASIC		
FERROUSCHLORIDE		
LEADCHLORIDE		
CUPRIC SULFATE		
SILVERNITRATE		
AMMONIUMSULFAMATE		
SODIUM CHROMATE		
ARSENIC ACID		
CALCIUMARSENATE	500/10,000	1
POTASSIUMBICHROMATE		
CALCIUMHYPOCHLORITE		
ZINCHYDROSULFITE		
ZINCNITRATE		
FLUORINE	500	10
SELENIUM		
CHLORINE	100	10
FERROUSSULFATE		
SODIUM SELENITE		
MERCUROUSNITRATE		
SELENIOS ACID	1,000/10,000	10
HYDROGENSULFIDE	500	100
HYDROGENSELENIDE	10	10
MERCURICSULFATE		
LEADFLUORIDE		
ZINCFLUORIDE		

FERRICFLUORIDE		
ANTIMONYTRIFLUORIDE		
SULFURFLUORIDE (SF4), (T-4)-	100	100
SULFURTETRAFLUORIDE	100	100
ANTIMONYPENTAFLUORIDE	500	500
TELLURIUM HEXAFLUORIDE	100	100
ARSENOUS TRICHLORIDE	500	1
LEADARSENATE		
POTASSIUMARSENATE		
ARSINE	100	100
SODIUM ARSENITE	500/10,000	1
SODIUM PHOSPHATE, TRIBASIC		
MEVINPHOS	500	10
NICKELSULFATE		
BERYLLIUM CHLORIDE		
BERYLLIUM FLUORIDE		
BERYLLIUM NITRATE		
AMMONIUMCHROMATE		
POTASSIUMCHROMATE		
STRONTIUM CHROMATE		
AMMONIUMBICHROMATE		
CADMIUM BROMIDE		
COBALTOUS BROMIDE		
ANTIMONYTRIBROMIDE		
CHLOROSULFONIC ACID		
THALLIUMCHLORIDE TICI	100/10,000	100
THALLOUS CHLORIDE	100/10,000	100
CHLORINEMONOXIDE		
CHLORINEOXIDE		
SELENIUMOXYCHLORIDE	500	500
PHOSPHINE	500	100
AMMONIUMVANADATE		
SILANE		
CAMPHECHLOR	500/10,000	1
CAMPHENE, OCTACHLORO-	500/10,000	1
TOXAPHENE	500/10,000	1
CREOSOTE		
DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)		
PYRETHRINS		
OLEUM		
SULFURICACID (FUMING)		
SULFURICACIDMIXTURE WITH SULFUR TRIOXIDE		
DEMETON	500	500
METIRAM		
POLYMERICDIPHENYLMETHANEDIISOCYANATE		
SODIUM HYPOCHLORITE		
CHROMIC CHLORIDE	1/10,000	1
SILANETRICHORO-		

TRICHLOROSILANE		
PHOSPHORUS OXYCHLORIDE	500	1,000
PHOSPHORYLCHLORIDE	500	1,000
ANTIMONYTRICHLORIDE		
ZIRCONIUMTETRACHLORIDE		
PHOSPHORUS PENTACHLORIDE	500	500
OZONE	100	100
FERRICSULFATE		
THALLIUMSULFATE	100/10,000	100
HYDRAZINESULFATE		
SODIUM PHOSPHATE, DIBASIC		
ALUMINUMSULFATE		
FERROUSAMMONIUM SULFATE		
MERCURICNITRATE		
CHLORINEDIOXIDE		
CHLORINEOXIDE (CLO2)		
CHROMOUS CHLORIDE		
DICHLOROPROPENE13T		
LEADNITRATE		
CHROMIC SULFATE		
LEADIODIDE		
SODIUM PHOSPHATE, TRIBASIC		
URANYL NITRATE		
SODIUM SELENITE	100/10,000	100
SODIUM TELLURITE	500/10,000	500
NITRICOXIDE	100	10
NITROGENOXIDE (NO)	100	10
NITROGEN DIOXIDE	100	10
THALLIUMNITRATE		
LEADARSENATE		
CADMIUM CHLORIDE		
POTASSIUMARSENITE	500/10,000	1
SODIUM PHOSPHATE, TRIBASIC		
SODIUM PHOSPHATE, DIBASIC		
ETHANOLDICHLOROACETATE	1,000	1,000
AMMONIUMBISULFITE		
AMMONIUMSULFITE		
COBALT CARBONYL	10/10,000	10
DIBROMONITRILOPROPIONAMIDE		
METHAMIDOPHOS	100/10,000	100
BORANETRICHORO-	500	500
BORON TRICHLORIDE	500	500
DIALIFOR	100/10,000	100
BISMETHYLISOCYANATECYCLOHEXANE		
SODIUM PHOSPHATE, TRIBASIC		
CUPRIC SULFATE, AMMONIATED		
MERCUROUSNITRATE		
FERRICNITRATE		

PHENYLMETHYLFURANYLMETHYLDIMETHYLMETHYL		
RESMETHRIN		
METHACROLEIN DIACETATE	1,000	1,000
NITROGEN DIOXIDE		
SODIUM BICHROMATE		
CARBENDAZIM		
AROCLOR 1260		
AROCLOR 1254		
AROCLOR 1221		
CHROMIC ACID		
AROCLOR 1232		
CUPRIC ACETOARSENITE	500/10,000	1
PARIS GREEN	500/10,000	1
SELENIOS ACID, DITHALLIUM(1+) SALT		
NICKELHYDROXIDE		
MANGANESE TRICARBONYL METHYLCYCLOPENT	100	100
CARBAMODITHIOICACIDETHANEDIYLBIS-, ZINC COMPLEX		
ZINEB		
AMMONIUMFLUORIDE		
AMMONIUMCHLORIDE		
AMMONIUMSULFIDE		
CARBAMODITHIOICACIDETHANEDIYLBIS-, MANGANESE COMPLEX		
MANEB		
AROCLOR 1248		
AROCLOR 1016		
SULFURMONOCHLORIDE		
TERBUFOS	100	100
PHOSPHAMIDON	100	100
ETHOPROP	1,000	1,000
ETHOPROPHOS	1,000	1,000
PHOSPHORODITHIOICACIDETHYLDIPROPYL EST	1,000	1,000
FENBUTATINOXIDE		
HEXAKISMETHYLPHENYLPROPYLDISTANNOXANE		
SODIUM SELENATE	100/10,000	100
GALLIUM TRICHLORIDE	500/10,000	500
NICKELCARBONYL	1	10
IRONCARBONYL (FE(CO)5), (TB-5-11)-	100	100
IRONPENTACARBONYL-	100	100
DICHLOROPENTAFLUOROPROPANE (HCFC-225CC)		
HCFC-225CC		
T SALTS		
BERYLLIUM NITRATE		
DESMEDIPHAM		
ZIRCONIUMNITRATE		
CALCIUMCHROMATE		
LEADFLUOBORATE		
AMMONIUMFLUOBORATE		
BUTYLAMINE-S		

COBALTOUS SULFAMATE		
SALCOMINE	500/10,000	500
NICKELNITRATE		
AMMONIUMOXALATE		
LITHIUMCHROMATE		
AMMONIUMTARTRATE		
FERBAM		
TRISDIMETHYLCARBAMODITHIOATO-S,S')IRON		
ZINCAMMONIUM CHLORIDE		
ZINCAMMONIUM CHLORIDE		
ZIRCONIUMSULFATE		
BICYCLO[2.2.1]HEPTANE-2-CARBONITRILE, 5-CH	500/10,000	500
MANGANESEBISDIMETHYLCARBAMODITHIOATO-S,S')-		
TRIMETHYLHEXAMETHYLENEDIISOCYANATE		
NICKELAMMONIUM SULFATE		
LEADSULFATE		
TRICHLOROPHENOL-A		
ALACHLOR		
CIDIRECTBROWN95		
NITROSONORNICOTINE		
SODIUM HYDROSULFIDE		
ETHANIMIDOTHIOICACIDMETHYLAMINO)CARBO	500/10,000	100
METHOMYL	500/10,000	100
ZINCSILICOFLUORIDE		
AMMONIUMSILICOFLUORIDE		
ZIRCONIUMPOTASSIUM FLUORIDE		
TRIMETHYLHEXAMETHYLENEDIISOCYANATE		
DECABORANE(14)	500/10,000	500
FORMPARANATE	100/10,000	100
BENOMYL		
STREPTOZOTOCIN		
DIPROPYLAMINODINITROBENZENESULFONAMIDE		
ORYZALIN		
DIBORANE	100	100
DIBORANE(6)	100	100
HEXACHLORODIBENZODIOXIN		
PENTABORANE	500	500
DICHLOROMETHYLETHOXYPHENYLDIMETHYLETH		
OXYDIAZON		
DIANISIDINEDIHYDROCHLORIDE		
DIMETHOXYBENZIDINEDIHYDROCHLORIDE		
DICHLOROPHENYLMETHYLOXADIAZOLIDINEDIO		
METHAZOLE		
OSMIUM OXIDE OSO4 (T-4)-		
OSMIUMTETROXIDE		
DIGOXIN	10/10,000	10
DAUNOMYCIN		
ALUMINUMPHOSPHIDE	500	100



METRIBUZIN		
FOSTHIETAN	500	500
LEPTOPHOS	500/10,000	500
CYANAZINE		
MERCURICOXIDE	500/10,000	500
CHLORTHIOPHOS	500	500
FENAMIPHOS	10/10,000	10
BENDIOCARB		
DIMETHYLBENZODIOXOLOL METHYLCARBAMATE		
BENDIOCARBPHENOL		
OXAMYL	100/10,000	100
FORMETANATEHYDROCHLORIDE	500/10,000	100
PIRIMIFOS-ETHYL	1,000	1,000
THIOPHANATEMETHYL		
PHENYLENEBISIMINOCARBONOTHIOYLBISCARBAMIC ACID DIET		
THIOPHANATEETHYL		
BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL		
PRONAMIDE		
TRIAZOFOS	500	500
CHLORMEPHOS	500	500
DINITROBENZENE (MIXED)		
NITROPHENOL (MIXED)		
SODIUM DODECYLBENZENESULFONATE		
BUTENE		
TRICHLOROPHENOL		
T ESTERS		
D ESTERS		
ETHOXYLMETHYLETHYLAMINOPHOSPHINOTHIOYLOXYBENZOI		
ISOFENPHOS		
DINITROTOLUENEA		
DICHLOROBENZENE		
DICHLOROBENZENEMIX		
DIAMINOTOLUENEMIXE		
TOLUENEDIAMINE		
DINITROPHENOLA		
DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A		
PHENOTHRIN		
CALCIUMDODECYLBENZENESULFONATE		
CARBAMIC ACIDMETHYL-, O-(((2,4-DIMETHYL-1, 3	100/10,000	100
BENZENEDIISOCYANATOMETHYLC		
TOLUENEDIISOCYANATEM		
TOLUENEDIISOCYANATEU		
SODIUM AZIDE (Na(N3))	500	1,000
DICHLOROPROPANE		
PIPERAZINEDIYLBISTRICHLOROETHYLIDENEBSIF		
TRIFORINE		
DICHLOROPROPENE		
TRICHLORODICHLOROPHENYL)SILANE	500	500

DODECYLBENZENESULFONIC ACID		
CHLOROMETHYLAMINOTRIFLUOROMETHYLPHENYL]-3(2H)		
NORFLURAZON		
TRIETHANOLAMINE DODECYLBENZENE SULFONATE		
VANADYL SULFATE		
ALLETHRIN		
CHRYSANTHEMICACID OF D-ALLETHRONE		
CARBAMIC ACIDDIETHYLTHIOCHLOROBENZYL)		
THIOBENCARB		
ANTIMONYPOTASSIUM TARTRATE		
XYLYLENE DICHLORIDE	100/10,000	100
CIDIRECTBLUE218		
BROMADIOLONE	100/10,000	100
OCTACHLOROSTYRENE		
DIETHYLAMINOMETHYLPYRIMIDINYLDIMETHYLPHO		
PIRIMIPHOSMETHYL		
PARAFORMALDEHYDE		
ETHANIMIDOTHIOICACIDDIMETHYLAMINO)-N-HYDROXY		
ACEPHATE		
ACETYLPHOSPHORAMIDOTHIOICACIDDIMETHYL ESTER		
METHACRYLOYLOXYETHYL ISOCYANATE	100	100
ETHYLAMINOMETHOXYPHOSPHINOTHIOYLOXYBUTENOIC ACID,		
PROPETAMPHOS		
TP ESTERS		
AMITRAZ		
ENDOSULFAN		
DIMETHYLETHYLTHIADIAZOLYLDIMETHY		
TEBUTHIURON		
DICHLOROTRIFLUOROETHANE		
DIFLUBENZURON		
ETHYLMETHYLTHIOPHENYLPHOSPHORODITHIOIC ACID S-PRO		
SULPROFOS		
DICHLOROPHENYLPROPENYLOXYETHYLIMIDAZO		
IMAZALIL		
BROMOBROMOMETHYL)-1,3-PROPANEDICARBONITRILE		
HEPTACHLORODIBENZODIOXIN		
URANYL NITRATE		
NICKELCHLORIDE		
BISMETHYLISOCYANATECYCLOHEXANE		
DIETHATYLETHYL		
OCTACHLORODIBENZOFURAN		
DIAMINOANISOLESULF		
THIOFANOX	100/10,000	100
HEXACHLORODIBENZODIOXIN		
DINOCAP		
FENPROPATHRIN		
TETRAMETHYLCYCLOPROPANECARBOXYLICACIDCYANOPHEN		
PENTACHLORODIBENZODIOXIN		

ETHYLPROPYLDIMETHYLDINITROBENZENAMINE		
PENDIMETHALIN		
BROMOCHLOROPHENYLETHYLPROPYLPHOSPHOROTHIOATE		
PROFENOFOS		
DIMETHYLBENZIDINEDIHYDROFLUORIDE		
TOLIDINEDIHYDROFLUORIDE		
ISOPROPANOLAMINE DODECYLBENZENE SULFONATE		
OXYFLUORFEN		
CHLOROPHENOXYDIMETHYLTRIAZOLYL		
TRIADIMEFON		
DICHLOROPHENYLETHENYLMETHYLOXAZOLIDINEDIO		
VINCLOZOLIN		
PHOSPHONOTHIOIC ACID, METHYL-, S-(2-(BIS(1-	100	100
TETRACHLORODIBENZOFURAN		
HEXAZINONE		
DICHLOROPHENOXYPHENOXYPROPANOICACIDMETHYL EST		
DICLOFOPMETHYL		
CHLOROMETHYLETHYLBENZENEACETICACIDCYANOPHE		
FENVALERATE		
ZINCAMMONIUM CHLORIDE		
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLI		
PERMETHRIN		
LEADSTEARATE		
CALCIUMARSENITE		
CARBAMOTHIOICACIDDIPROPYL-, S-(PHENYLMETHYL) ES		
BROMACIL, LITHIUM SALT		
PYRIMIDINEDIONE BROMOMETHYLMETHYLPRO		
DETHYLMETHYLPENTYL ESTER		
DAZOMET SODIUM SALT		
TETRAHYDRODIMETHYLTHIADIAZINETHIONEION(1		
D ESTERS		
AROCLOR 1242		
PYRIMINIL	100/10,000	100
CARBOSULFAN		
DIHYDRODIMETHYLDITHIINTETRAOXIDE		
DIMETHIPIN		
IODOPROPYNYL BUTYLCARBAMATE		
FERRICAMMONIUMOXALATE		
HEPTACHLORODIBENZOFURAN		
LEADSTEARATE		
PENTACHLORODIBENZOFURAN		
PENTACHLORODIBENZOFURAN		
HEXACHLORODIBENZOFURAN		
TRICLOPYRTRIETHYLAMMONIUM SALT		
HEXACHLORODIBENZODIOXIN		
ZINCDICHLORO(4,4-DIMETHYL-5(((METHYLAMIN	100/10,000	100
THIODICARB		
CHLOROPHENYLCHLOROPHENYLPYRIMIDIN		

FENARIMOL		
DICHLOROPHENYLPROPYLDIOXOLANYLMETHYL		
PROPICONAZOLE		
HEXACHLORODIBENZOFURAN		
T ESTERS		
COBALT, ((2,2'-(1,2-ETHANEDIYLBIS (NITRILOME	100/10,000	100
ACIFLUORFEN, SODIUM SALT		
CHLOROTRIFLUOROMETHYLPHENOXY)-2-NITROBENZOIC ACID,		
CHLOROTETRAFLUROETHANE		
CHLOROMETHOXYMETHYLTRIAZINYLAMINO]CA		
CHLORSULFURON		
DICHLOROENZIDINESULFATE		
CHLOROENZOAZOLYLENOXYPHENOXYPROPANOICACID,		
FENOXAPROPETHYL		
HYDRAMETHYLNON		
TETRAHYDRODIMETHYLPYRIMIDINONETRIFLUOROME		
HEPTACHLORODIBENZOFURAN		
CHLOROTRIFLUOROPROPENYLDIMETHYLCYCLOPRO		
CYHALOTHRIN		
CYFLUTHRIN		
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLIC A		
CHLOROTRIFLUOROMETHYLPHENYLVALINE(+)-CYANO(3-		
FLUVALINATE		
FLUAZIFOPBUTYL		
TRIFLUOROMETHYLPYRIDINYLOXYPHENOXYPROPANOIC		
HEXACHLORODIBENZOFURAN		
ABAMECTIN AVERMECTIN B1		
AVERMECTIN B1		
CHLOROTRIFLUOROMETHYLPHENOXYMETHYLSULFONYL)-2-		
FOMESAFEN		
FENOXYCARB		
PHENOXYPHENOXYETHYLCARBAMICACIDETHYLESTER		
HEXACHLORODIBENZOFURAN		
ETHOXYIMINOBTYLETHYLTHIOPROPYLHYDROXYL		
SETHOXYDIM		
METHYLDIPHENYLMETHANEDIISOCYANATE		
DIISOCYANATODIPHENYLSULFIDE		
CHLOROQUINOXALINYLOXYPHENOXYPROPANOIC ACID E		
QUIZALOFOPETHYL		
Benzoicacidchlorotrifluoromethylphenoxynitroethocymethyloxethyl ester		
CHLOROTRIFLUOROMETHYLPHENOXYNITROETHOXYM		
LACTOFEN		
BIFENTHRIN		
BUTYLCHLOROPHENYLTRIAZOLE-1-P		
MYCLOBUTANIL		
DICHLOROTRIFLUOROETHANE		
CHLORIMURON ETHYL		
ETHYLCHLOROMETHOXYPRIMIDINYLCARBONYLAMINO		

METHOXYMETHYLTRIAZINYL METHYLAMINOCARBON	
TRIBENURON METHYL	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EB)	
HCFC-225EB	
DIANISIDINE HYDROCHLORIDE	
DIMETHOXYBENZIDINE HYDROCHLORIDE	
DICHLOROPENTAFLUOROPROPANE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225AA)	
HCFC-225AA	
DIETHYL DIISOCYANATO BENZENE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EA)	
HCFC-225EA	
ANTIMONY COMPOUNDS	
ARSENIC COMPOUNDS	
BARIUM COMPOUNDS	
BERYLLIUM COMPOUNDS	
CADMIUM COMPOUNDS	
CHLORINATED PHENOLS	
CHLOROPHENOLS	
CHROMIUM AND COMPOUNDS	
COBALT COMPOUNDS	
COPPER COMPOUNDS	
CYANIDE COMPOUNDS	
DIISOCYANATES	
DIOXIN AND DIOXIN-LIKE COMPOUNDS	
ETHYLENE BIS(DITHIOCARBAMIC ACID SALTS AND ESTERS)	
GLYCOL ETHERS	
LEAD COMPOUNDS	
MANGANESE COMPOUNDS	
MERCURY COMPOUNDS	
NICKEL COMPOUNDS	
NICOTINE AND SALTS	
NITRATE COMPOUNDS	
POLYBROMINATED BIPHENYLS (PBBS)	
POLYCHLORINATED ALKANES	
POLYCYCLIC AROMATIC COMPOUNDS	
SELENIUM COMPOUNDS	
SILVER AND COMPOUNDS	
STRYCHNINE	
THALLIUM COMPOUNDS	
VANDIUM COMPOUNDS	
WARFARIN AND SALTS	
ZINC COMPOUNDS	

AND UNLISTED HAZARDOUS WASTES. THE DESCRIPTIONS OF THE WASTE STREAMS HAVE BEEN LISTED ONLY. COMPLIANCE INFORMATION CAN BE FOUND IN 40 CFR PART 302 AND TABLE 302.4

CERCLA RQ	Section 313	RCRACODE	CAA 112(r) TQ
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100	X	U122	15,000
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	X		
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	313		
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100	313	U238	
100	X		

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100		P075	
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	X		
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100		P043	
100		P043	
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	313		
100		P204	
10	313		
100		P188	
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1	X	U036	
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1	313	U129	
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5,000			

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	313		
	313#		
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100	K087
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100	K096
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1	K174
1	K175
	K178

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1	D033
100	D034
5,000	D035
1,000	D036
10	D037
1,000	D038
100	D039
100	D040
10	D041
10	D042
1	D043

**Notes - Document Posted June 2015**

\* There are no *de minimis* levels for PBT che

“Color Index” indicated by “C.I.”

*de minimis* % limit for the following chemica

Arsenic Compounds:

Chromium Compounds:

Cobalt Compounds:

Polychlorinated alkanes (C<sub>10</sub> to C<sub>13</sub>):

descriptions. For categories whose members :  
explanation, consult the Reporting Forms and

chemicals, except for supplier notification purposes

all categories is as indicated below.

inorganic compounds: 0.1; organic compounds: 1.0

chromium VI compounds: 0.1; chromium III compounds: 1.0

inorganic compounds: 0.1; organic compounds: 1.0

1.0, except for those members of the category that have an average chain length of 12 carbons and contain an average chlorine content of 60% by weight which are subject to the 0.1% de minimis

When chemicals are listed individually, the individual chemicals and the category to which they belong are listed as well. For additional instructions.

**CAS**

71751-41-2

30560-19-1

75-07-0

60-35-5

75-05-8

98-86-2

53-96-3

62476-59-9

107-02-8

79-06-1

79-10-7

107-13-1

15972-60-8

116-06-3

309-00-2

28057-48-9

107-18-6

107-11-9

107-05-1

7429-90-5

20859-73-8

1344-28-1

834-12-8

117-79-3

60-09-3

92-67-1

82-28-0

81-49-2

33089-61-1

61-82-5

7664-41-7

101-05-3

62-53-3

90-04-0

104-94-9

134-29-2

120-12-7

7440-36-0

7440-38-2

1332-21-4

1912-24-9

7440-39-3

22781-23-3

1861-40-1

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98-07-7

191-24-2

98-88-4

94-36-0

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7440-41-7

82657-04-3

92-52-4

3296-90-0

111-91-1

111-44-4

542-88-1

108-60-1

56-35-9

10294-34-5

7637-07-2

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7726-95-6

35691-65-7

353-59-3

75-25-2

74-83-9

106-94-5

75-63-8

1689-84-5

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357-57-3

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156-62-7

133-06-2

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532-27-4

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75-45-6

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107-30-2

563-47-3

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16071-86-6

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81-88-9

3118-97-6

97-56-3

842-07-9

492-80-8

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84-74-2

1918-00-9

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136013-79-1

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541-53-7

330-54-1

2439-10-3

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1320-18-9

2702-72-9

106-89-8

13194-48-4

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140-88-5

100-41-4

541-41-3

759-94-4

74-85-1

107-21-1

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12122-67-7

N010

N020

N040

N050

N078

N084

N090

N096

N100

N106

N120

N150

N171

N230

N270

N420

N450

N458

N495

N503

N511

N530

N575

N583

N590

N725

N740

N746

N760

N770

N874

N982

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205-82-3

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218-01-9

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226-36-8

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25154-52-3

26543-97-5

84852-15-3

90481-04-2

3194-55-6

25637-99-4

## Chemical

Abamectin [Avermectin B1]

Acephate (Acetylphosphoramidothioic acid O,S-dimethyl ester)

Acetaldehyde

Acetamide

Acetonitrile

Acetophenone

2-Acetylaminofluorene

Acifluorfen, sodium salt [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, sodium salt]

Acrolein

Acrylamide

Acrylic acid

Acrylonitrile

Alachlor

Aldicarb

Aldrin [1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1 $\alpha$ ,4 $\alpha$ ,4a $\beta$ ,5 $\alpha$ ,8 $\alpha$ ,8a $\beta$ )-]

d-trans-Allethrin [d-trans-Chrysanthemic acid of d-allethron]

Allyl alcohol

Allylamine

Allyl chloride

Aluminum (fume or dust)

Aluminum phosphide

Aluminum oxide (fibrous forms)

Ametryn (N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-diamine)

2-Aminoanthraquinone

4-Aminoazobenzene

4-Aminobiphenyl

1-Amino-2-methylantraquinone

1-Amino-2,4-dibromoanthraquinone

Amitraz

Amitrole

Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)

Anilazine [4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine]

Aniline

o-Anisidine

p-Anisidine

o-Anisidine hydrochloride

Anthracene

Antimony

Arsenic

Asbestos (friable)

Atrazine (6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)

Barium

Bendiocarb [2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate]

Benfluralin (N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine)

Benomyl

Benzal chloride

Benzamide

Benzene

Benzidine

Benzoic trichloride (Benzotrichloride)

Benzo(g,h,i)perylene

Benzoyl chloride

Benzoyl peroxide

Benzyl chloride

Beryllium

Bifenthrin

Biphenyl

2,2-bis(Bromomethyl)-1,3-propanediol

Bis(2-chloroethoxy)methane

Bis(2-chloroethyl)ether

Bis(chloromethyl)ether

Bis(2-chloro-1-methylethyl)ether

Bis(tributyltin)oxide

Boron trichloride

Boron trifluoride

Bromacil (5-Bromo-6-methyl-3-(1-methylpropyl)-2,4(1H,3H)-pyrimidinedione)

Bromacil, lithium salt [2,4(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylpropyl), lithium salt]

Bromine

1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile

Bromochlorodifluoromethane (Halon 1211)

Bromoform (Tribromomethane)

Bromomethane (Methyl bromide)

1-Bromopropane

Bromotrifluoromethane (Halon 1301)

Bromoxynil (3,5-Dibromo-4-hydroxybenzoxynitrile)

Bromoxynil octanoate (Octanoic acid, 2,6-dibromo-4-cyanophenylester)

Brucine

1,3-Butadiene

Butyl acrylate

n-Butyl alcohol

sec-Butyl alcohol

tert-Butyl alcohol

1,2-Butylene oxide

Butyraldehyde

Cadmium

Calcium cyanamide

Captan [1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-]

Carbaryl [1-Naphthalenol, methylcarbamate]

Carbofuran

Carbon disulfide

Carbon tetrachloride

Carbonyl sulfide

Carboxin (5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiazin-3-carboxamide)

Catechol

Chinomethionat [6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one]

Chloramben [Benzoic acid, 3-amino-2,5-dichloro-]

Chlordane [4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-]

Chlorendic acid

Chlorimuron ethyl [Ethyl-2-[[[(4-chloro-6-methoxyprimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate]

Chlorine

Chlorine dioxide

Chloroacetic acid

2-Chloroacetophenone

1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride

p-Chloroaniline

Chlorobenzene

Chlorobenzilate [Benzenoacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester]

1-Chloro-1,1-difluoroethane (HCFC-142b)

Chlorodifluoromethane (HCFC-22)

Chloroethane (Ethyl chloride)

Chloroform

Chloromethane (Methyl chloride)

Chloromethyl methyl ether

3-Chloro-2-methyl-1-propene

p-Chlorophenyl isocyanate

Chloropicrin

Chloroprene

3-Chloropropionitrile

Chlorotetrafluoroethane

1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)

2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)

Chlorothalonil [1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-]

p-Chloro-o-toluidine

2-Chloro-1,1,1-trifluoroethane (HCFC-133a)

Chlorotrifluoromethane (CFC-13)

3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)

Chlorpyrifos methyl [O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate]

Chlorsulfuron [2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide]

Chromium

C.I. Acid Green 3

C.I. Acid Red 114

C.I. Basic Green 4

C.I. Basic Red 1

C.I. Direct Black 38

C.I. Direct Blue 6

C.I. Direct Blue 218

C.I. Direct Brown 95

C.I. Disperse Yellow 3

C.I. Food Red 5

C.I. Food Red 15

C.I. Solvent Orange 7

C.I. Solvent Yellow 3

C.I. Solvent Yellow 14

C.I. Solvent Yellow 34 (Auramine)

C.I. Vat Yellow 4

Cobalt

Copper

Creosote

p-Cresidine

m-Cresol

o-Cresol

p-Cresol

Cresol (mixed isomers)

Crotonaldehyde

Cumene

Cumene hydroperoxide

Cupferron [Benzeneamine, N-hydroxy-N-nitroso, ammonium salt]

Cyanazine

Cycloate

Cyclohexane

Cyclohexanol

Cyfluthrin [3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester]

Cyhalothrin [3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl)methyl ester]

2,4-D [Acetic acid, (2,4-dichlorophenoxy)-]

Dazomet (Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione)

Dazomet, sodium salt [Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-), sodium]

2,4-DB

2,4-D butoxyethyl ester

2,4-D butyl ester

2,4-D chlorocrotyl ester

Decabromodiphenyl oxide

Desmedipham

2,4-D 2-ethylhexyl ester

2,4-D 2-ethyl-4-methylpentyl ester

Diallate [Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propenyl)ester]

2,4-Diaminoanisole

2,4-Diaminoanisole sulfate

4,4'-Diaminodiphenyl ether

2,4-Diaminotoluene

Diaminotoluene (mixed isomers)

Diazinon

Diazomethane

Dibenzofuran

1,2-Dibromo-3-chloropropane (DBCP)

1,2-Dibromoethane (Ethylene dibromide)



Dibromotetrafluoroethane (Halon 2402)

Dibutyl phthalate

Dicamba (3,6-Dichloro-2-methoxybenzoic acid)

Dichloran [2,6-Dichloro-4-nitroaniline]

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

Dichlorobenzene (mixed isomers)

3,3'-Dichlorobenzidine

3,3'-Dichlorobenzidine dihydrochloride

3,3'-Dichlorobenzidine sulfate

Dichlorobromomethane

1,4-Dichloro-2-butene

trans-1,4-Dichloro-2-butene

1,2-Dichloro-1,1-difluoroethane (HCFC-132b)

Dichlorodifluoromethane (CFC-12)

1,2-Dichloroethane (Ethylene dichloride)

1,2-Dichloroethylene

1,1-Dichloro-1-fluoroethane (HCFC-141b)

Dichlorofluoromethane (HCFC-21)

Dichloromethane (Methylene chloride)

Dichloropentafluoropropane

1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)

1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)

1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)

1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)

1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)

1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)

2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)

2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)  
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)  
Dichlorophene [2,2'-Methylenebis(4-chlorophenol)]  
2,4-Dichlorophenol  
1,2-Dichloropropane  
trans-1,3-Dichloropropene  
2,3-Dichloropropene  
1,3-Dichloropropylene  
Dichlorotetrafluoroethane (CFC-114)  
Dichlorotrifluoroethane  
Dichloro-1,1,2-trifluoroethane  
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)  
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)  
2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)  
Dichlorvos [Phosphoric acid, 2,2-dichloroethenyl dimethyl ester]  
Diclofop methyl [2-[4-(2,4-Dichlorophenoxy)phenoxy]propanoic acid, methyl ester]  
Dicofol [Benzenemethanol, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -(trichloromethyl)-]  
Dicyclopentadiene  
Diepoxybutane  
Diethanolamine  
Diethyl ethyl  
Di(2-ethylhexyl)phthalate (DEHP)  
Diethyl sulfate  
Diflubenzuron  
Diglycidyl resorcinol ether  
Dihydrosafrole  
Dimethipin [2,3-Dihydro-5,6-dimethyl-1,4-dithiin-1,1,4,4-tetraoxide]  
Dimethoate  
3,3'-Dimethoxybenzidine  
3,3'-Dimethoxybenzidine dihydrochloride (o-Dianisidine dihydrochloride)  
3,3'-Dimethoxybenzidine hydrochloride (o-Dianisidine hydrochloride)  
Dimethylamine  
Dimethylamine dicamba  
4-Dimethylaminoazobenzene

N,N-Dimethylaniline

3,3'-Dimethylbenzidine (o-Tolidine)

3,3'-Dimethylbenzidine dihydrochloride (o-Tolidine dihydrochloride)

3,3'-Dimethylbenzidine dihydrofluoride (o-Tolidine dihydrofluoride)

Dimethylcarbonyl chloride

Dimethyl chlorothiophosphate

N,N-Dimethylformamide

1,1-Dimethyl hydrazine

2,4-Dimethylphenol

Dimethyl phthalate

Dimethyl sulfate

m-Dinitrobenzene

o-Dinitrobenzene

p-Dinitrobenzene

Dinitrobutyl phenol (Dinoseb)

4,6-Dinitro-o-cresol

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,6-Dinitrotoluene

Dinitrotoluene (mixed isomers)

Dinocap

1,4-Dioxane

Diphenamid

Diphenylamine

1,2-Diphenylhydrazine (Hydrazobenzene)

Dipotassium endothall [7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt]

Dipropyl isocinchomerate

Disodium cyanodithioimidocarbonate

2,4-D isopropyl ester

2,4-Dithiobiuret

Diuron

Dodine [Dodecylguanidine monoacetate]

2,4-DP

2,4-D propylene glycol butyl ether ester

2,4-D sodium salt

Epichlorohydrin

Ethoprop [Phosphorodithioic acid O-ethyl S,S-dipropyl ester]

2-Ethoxyethanol

Ethyl acrylate

Ethylbenzene

Ethyl chloroformate

Ethyl dipropylthiocarbamate (EPTC)

Ethylene

Ethylene glycol

Ethyleneimine (Aziridine)

Ethylene oxide

Ethylene thiourea

Ethylidene dichloride

Famphur

Fenarimol [ $\alpha$ -(2-Chlorophenyl)- $\alpha$ -(4-chlorophenyl)-5-pyrimidinemethanol]

Fenbutatin oxide (Hexakis(2-methyl-2-phenylpropyl)distannoxane)

Fenoxaprop ethyl [2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid, ethyl ester]

Fenoxycarb [[2-(4-Phenoxyphenoxy)ethyl]carbamic acid ethyl ester]

Fenpropathrin [2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phenoxyphenyl)methyl ester]

Fenthion [O,O-Dimethyl O-[3-methyl-4-(methylthio)phenyl]ester, phosphorothioic acid]

Fenvalerate [4-Chloro- $\alpha$ -(1-methylethyl)benzeneacetic acid cyano(3-phenoxyphenyl)methyl ester]

Ferbam [Tris(dimethylcarbamodithioato-S,S')iron]

Fluazifop butyl [2-[4-[5-(Trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, butyl ester]

Fluometuron [Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-]  
Fluorine  
Fluorouracil (5-Fluorouracil)  
Fluvalinate [N-[2-Chloro-4-(trifluoromethyl)phenyl]-DL-valine(+)-cyano(3-phenoxyphenyl)methyl ester]  
Folpet  
Fomesafen [5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl-2-nitrobenzamide]  
Formaldehyde  
Formic acid  
Freon 113 [Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-]  
Furan  
Glycidol  
Heptachlor [1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene]  
Hexachlorobenzene  
Hexachloro-1,3-butadiene  
alpha-Hexachlorocyclohexane  
Hexachlorocyclopentadiene  
Hexachloroethane  
Hexachloronaphthalene  
Hexachlorophene  
Hexamethylphosphoramide  
n-Hexane  
Hexazinone  
Hydramethylnon [Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone[3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenyldiene]hydrazone]  
Hydrazine  
Hydrazine sulfate  
Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)  
Hydrogen cyanide  
Hydrogen fluoride  
Hydrogen sulfide  
Hydroquinone  
Imazalil [1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole]  
3-Iodo-2-propynyl butylcarbamate  
Iron pentacarbonyl

Isobutyraldehyde

Isafenphos [2-[[Ethoxyl[(1-methylethyl)amino]phosphinothioyl]oxy]benzoic acid 1-methylethyl ester]

Isoprene

Isopropyl alcohol (only persons who manufacture by the strong acid process are subject, no supplier notification)

4,4'-Isopropylidenediphenol

Isosafrole

Lactofen [Benzoic acid, 5-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-nitro-, 2-ethoxy-1-methyl-2-oxoethyl ester]

Lead (when lead is contained in stainless steel, brass or bronze alloys the de minimis level is 0.1)

Lindane [Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )-]

Linuron

Lithium carbonate

Malathion

Maleic anhydride

Malononitrile

Maneb [Carbamodithioic acid, 1,2-ethanediybis-, manganese complex]

Manganese

Mecoprop

2-Mercaptobenzothiazole (MBT)

Mercury

Merphos

Methacrylonitrile

Metham sodium (Sodium methylthiocarbamate)

Methanol

Methazole [2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione]

Methiocarb

Methoxone ((4-Chloro-2-methylphenoxy)acetic acid) (MCPA)

Methoxone sodium salt ((4-Chloro-2-methylphenoxy)acetate sodium salt)

Methoxychlor [Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-]

2-Methoxyethanol

Methyl acrylate

Methyl tert-butyl ether

Methyl chlorocarbonate

4,4'-Methylenebis(2-chloroaniline) (MBOCA)

4,4'-Methylenebis(N,N-dimethyl)benzenamine

Methylene bromide  
4,4'-Methylenedianiline  
Methyleugenol  
Methyl hydrazine  
Methyl iodide  
Methyl isobutyl ketone  
Methyl isocyanate  
Methyl isothiocyanate [Isothiocyanatomethane]  
2-Methylacetonitrile  
Methyl methacrylate  
N-Methylolacrylamide  
Methyl parathion  
2-Methylpyridine  
N-Methyl-2-pyrrolidone  
Metiram  
Metribuzin  
Mevinphos  
Michler's ketone  
Molinate (1H-Azepine-1-carbothioic acid, hexahydro-, S-ethyl ester)  
Molybdenum trioxide  
Monochloropentafluoroethane (CFC-115)  
Monuron  
Mustard gas [Ethane, 1,1'-thiobis[2-chloro-]]  
Myclobutanil [ $\alpha$ -Butyl- $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile]  
Nabam  
Naled  
Naphthalene  
 $\alpha$ -Naphthylamine  
 $\beta$ -Naphthylamine  
Nickel  
Nitrapyrin (2-Chloro-6-(trichloromethyl)pyridine)  
Nitric acid  
Nitrilotriacetic acid  
p-Nitroaniline  
o-Nitroanisole  
5-Nitro-o-anisidine  
Nitrobenzene

4-Nitrobiphenyl  
Nitrofen [Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-]  
Nitrogen mustard [2-Chloro-N-(2-chloroethyl)-N-methylethanamine]  
Nitroglycerin  
Nitromethane  
2-Nitrophenol  
4-Nitrophenol  
2-Nitropropane  
N-Nitrosodi-n-butylamine  
N-Nitrosodiethylamine  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
p-Nitrosodiphenylamine  
N-Nitrosodi-n-propylamine  
N-Nitroso-N-ethylurea  
N-Nitroso-N-methylurea  
N-Nitrosomethylvinylamine  
N-Nitrosomorpholine  
N-Nitrosornicotine  
N-Nitrosopiperidine  
o-Nitrotoluene  
5-Nitro-o-toluidine  
Norflurazon [4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone]  
Octachloronaphthalene  
Octachlorostyrene  
Oryzalin [4-(Dipropylamino)-3,5-dinitrobenzene sulfonamide]  
Osmium tetroxide  
Oxydemeton methyl [S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid]  
Oxydiazon [3-[2,4-Dichloro-5-(1-methylethoxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one]  
Oxyfluorfen  
Ozone  
Paraldehyde  
Paraquat dichloride  
Parathion [Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl)ester]



Pebulate [Butylethylcarbamothioic acid S-propyl ester]

Pendimethalin [N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine]

Pentachlorobenzene

Pentachloroethane

Pentachlorophenol (PCP)

Pentobarbital sodium

Peracetic acid

Perchloromethyl mercaptan

Permethrin [3-(2,2-Dichloroethyl)-2,2-dimethylcyclopropanecarboxylic acid, (3-phenoxyphenyl)methyl ester]

Phenanthrene

Phenol

Phenolphthalein

Phenothrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (3-phenoxyphenyl)methyl ester]

1,2-Phenylenediamine

1,3-Phenylenediamine

p-Phenylenediamine

1,2-Phenylenediamine dihydrochloride

1,4-Phenylenediamine dihydrochloride

2-Phenylphenol

Phenytoin

Phosgene

Phosphine

Phosphorus (yellow or white)

Phthalic anhydride

Picloram

Picric acid

Piperonyl butoxide

Pirimiphos methyl [O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethylphosphorothioate]

Polychlorinated biphenyls (PCBs)

Potassium bromate

Potassium dimethyldithiocarbamate

Potassium N-methyldithiocarbamate

Profenofos [O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate]

Prometryn [N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamine]

Pronamide

Propachlor [2-Chloro-N-(1-methylethyl)-N-phenylacetamide]

Propane sultone

Propanil [N-(3,4-Dichlorophenyl)propanamide]

Propargite

Propargyl alcohol

Propetamphos [3-[[[(Ethylamino)methoxyphosphinothioyl]oxy]-2-butenic acid, 1-methylethyl ester]

Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl-1H-1,2,4,-triazole]

beta-Propiolactone

Propionaldehyde

Propoxur [Phenol, 2-(1-methylethoxy)-, methylcarbamate]

Propylene (Propene)

Propyleneimine

Propylene oxide

Pyridine

Quinoline

Quinone

Quintozene (Pentachloronitrobenzene)

Quizalofop-ethyl [2-[4-[(6-Chloro-2-quinoxalinyloxy]phenoxy]propanoic acid ethyl ester]

Resmethrin [[5-(Phenylmethyl)-3-furanyl]methyl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate]

Saccharin (only persons who manufacture are subject, no supplier notification)

Safrole

Selenium

Sethoxydim [2-[1-(Ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxyl-2-cyclohexen-1-one]

Silver

Simazine

Sodium azide

Sodium dicamba [3,6-Dichloro-2-methoxybenzoic acid, sodium salt]

Sodium dimethyldithiocarbamate

Sodium fluoroacetate

Sodium nitrite

Sodium pentachlorophenate

Sodium o-phenylphenoxide

Styrene

Styrene oxide

Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Sulfuryl fluoride (Vikane)

Sulprofos [O-Ethyl O-[4-(methylthio)phenyl]phosphorodithioic acid S-propylester]

Tebuthiuron [N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl]-N,N'-dimethylurea]

Temephos

Terbacil [5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidinedione]

Tetrabromobisphenol A

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

Tetrachloroethylene (Perchloroethylene)

1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)

1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)

Tetrachlorvinphos [Phosphoric acid, 2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl ester]

Tetracycline hydrochloride

Tetrafluoroethylene

Tetranitromethane

Tetramethrin [2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl ester]

Thallium

Thiabendazole [2-(4-Thiazolyl)-1H-benzimidazole]

Thioacetamide

Thiobencarb [Carbamic acid, diethylthio-, S-(p-chlorobenzyl)ester]

4,4'-Thiodianiline

Thiodicarb

Thiophanate ethyl [[1,2-Phenylenebis(iminocarbonothioyl)]biscarbamic acid diethylester]

Thiophanate methyl

Thiosemicarbazide

Thiourea

Thiram

Thorium dioxide

Titanium tetrachloride

Toluene

Toluene-2,4-diisocyanate

Toluene-2,6-diisocyanate

Toluene diisocyanate (mixed isomers)

o-Toluidine

o-Toluidine hydrochloride

Toxaphene

Triadimefon [1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone]

Triallate

Triaziuone [2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-]

Tribenuron methyl [Benzoic acid, 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]-, methyl ester]

Tributyltin fluoride

Tributyltin methacrylate

S,S,S-Tributyltrithiophosphate (DEF)

Trichlorfon [Phosphoric acid, (2,2,2-trichloro-1-hydroxy-ethyl)-, dimethyl ester]

Trichloroacetyl chloride

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane (Methyl chloroform)

1,1,2-Trichloroethane

Trichloroethylene

Trichlorofluoromethane (CFC-11)

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

1,2,3-Trichloropropane

Triclopyr triethylammonium salt

Triethylamine

Trifluralin [Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-]

Triforine [N,N'-[1,4-Piperazinediylbis-(2,2,2-trichloroethylidene)]bisformamide]

1,2,4-Trimethylbenzene

2,3,5-Trimethylphenyl methylcarbamate

Triphenyltin chloride

Triphenyltin hydroxide

Tris(2,3-dibromopropyl)phosphate

Trypan blue

Urethane (Ethyl carbamate)

Vanadium (except when contained in an alloy)

Vinclozolin [3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione]

Vinyl acetate

Vinyl bromide

Vinyl chloride

Vinyl fluoride

Vinylidene chloride

m-Xylene

o-Xylene

p-Xylene

Xylene (mixed isomers)

2,6-Xylidine

Zinc (fume or dust)

Zineb [Carbamodithioic acid, 1,2-ethanediyibis-, zinc complex]

Antimony compounds

Arsenic compounds

Barium compounds (except for barium sulfate (CAS No. 7727-43-7))

Beryllium compounds

Cadmium compounds

Chlorophenols

Chromium compounds (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately 2,000 °F.)

Cobalt compounds

Copper compounds (this category does not include copper phthalocyanine compounds that are substituted with only hydrogen, and/or chlorine, and/or bromine.)

Cyanide compounds

Diisocyanates (includes 20 specific compounds)

Dioxin and dioxin-like compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin like compounds if the dioxin and dioxin like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.)(includes 17 specific compounds)

Ethylenebisdithiocarbamic acid, salts and esters

Certain glycol ethers

Hexabromocyclododecane (includes 2 specific compounds)

Lead compounds

Manganese compounds

Mercury compounds

Nickel compounds

Nicotine and salts

Nitrate compounds (water dissociable; reportable only when in aqueous solution)

Nonylphenol

Polybrominated biphenyls (PBBs)

Polychlorinated alkanes (C10-C13)

Polycyclic aromatic compounds (includes 25 specific compounds)

Selenium compounds

Silver compounds

Strychnine and salts

Thallium compounds

Vanadium compounds

Warfarin and salts

Zinc compounds

Benz(a)anthracene

Benzo(b)fluoranthene

Benzo(j)fluoranthene

Benzo(k)fluoranthene

Benzo(j,k)fluorene

Benzo(r,s,t)pentaphene

Benzo(a)phenanthrene

Benzo(a)pyrene

Dibenz(a,h)acridine

Dibenz(a,j)acridine

Dibenzo(a,h)anthracene

7H-Dibenzo(c,g)carbazole

Dibenzo(a,e)fluoranthene

Dibenzo(a,e)pyrene

Dibenzo(a,h)pyrene

Dibenzo(a,l)pyrene

7,12-Dimethylbenz(a)anthracene

1,6-Dinitropyrene  
1,8-Dinitropyrene  
Indeno(1,2,3-cd)pyrene  
3-Methylcholanthrene  
5-Methylchrysene  
6-Nitrochrysene  
1-Nitropyrene  
4-Nitropyrene  
1,3-Bis(methylisocyanate)cyclohexane  
1,4-Bis(methylisocyanate)cyclohexane  
1,4-Cyclohexane diisocyanate  
Diethyldiisocyanatobenzene  
4,4'-Diisocyanatodiphenyl ether  
2,4'-Diisocyanatodiphenyl sulfide  
3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
3,3'-Dimethyl-4,4'-diphenylene diisocyanate  
3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate  
Hexamethylene-1,6-diisocyanate  
Isophorone diisocyanate  
4-Methyldiphenylmethane-3,4-diisocyanate  
1,1-Methylenebis(4-isocyanatocyclohexane)  
Methylenebis(phenylisocyanate) (MDI)  
1,5-Naphthalene diisocyanate  
1,3-Phenylene diisocyanate  
1,4-Phenylene diisocyanate  
Polymeric diphenylmethane diisocyanate  
2,2,4-Trimethylhexamethylene diisocyanate  
2,4,4-Trimethylhexamethylene diisocyanate  
2,3,7,8-Tetrachlorodibenzo-p-dioxin  
1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin  
2,3,7,8-Tetrachlorodibenzofuran  
1,2,3,7,8-Pentachlorodibenzofuran  
2,3,4,7,8-Pentachlorodibenzofuran  
1,2,3,4,7,8-Hexachlorodibenzofuran  
1,2,3,6,7,8-Hexachlorodibenzofuran  
1,2,3,7,8,9-Hexachlorodibenzofuran  
2,3,4,6,7,8-Hexachlorodibenzofuran  
1,2,3,4,6,7,8-Heptachlorodibenzofuran  
1,2,3,4,7,8,9-Heptachlorodibenzofuran  
1,2,3,4,6,7,8,9-Octachlorodibenzofuran  
4-Nonylphenol  
Isononylphenol

Nonylphenol

4-Isononylphenol

4-Nonylphenol, branched

Nonylphenol, branched.

1,2,5,6,9,10-Hexabromocyclododecane

Hexabromocyclododecane



**De Minimis Category Description**

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Includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

See notes Includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains barium as part of that chemical's infrastructure.

0.1

Includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

0.1

Defined by chemical structure. Phenol with Cl<sub>x</sub> and H(5-x) where x = 1 to 5

Includes any unique chemical substance that contains chromium as part of that chemical's infrastructure.

See notes

See notes Includes any unique chemical substance that contains cobalt as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains copper as part of that chemical's infrastructure.

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X CN where X = H or any other group where a formal dissociation can be made. For example KCN or Ca(CN)<sub>2</sub>

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All members are listed below and marked as "diisocyanate" in column E

All members are listed below and marked as "dioxin" in column E

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Includes any unique chemical substance that contains an EBDC or an EBDC salt as part of that chemical's infrastructure.

1.0

R - (OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub> - OR' where: n = 1, 2, or 3; R = Alkyl C7 or less; or

R = phenyl or alkyl substituted phenyl; R' = H or alkyl C7 or less; or

OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

\*

All members are listed below and marked as "HBCD" in column E

\* Includes any unique chemical substance that contains lead as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains manganese as part of that chemical's infrastructure.

\* Includes any unique chemical substance that contains mercury as part of that chemical's infrastructure.

0.1 Includes any unique chemical substance that contains nickel as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains nicotine or a nicotine salt as part of that chemical's infrastructure.

1.0

1.0 All members are listed below and marked as "NP" in column E

0.1 Defined by chemical structure. Biphenyl with Br<sub>x</sub> and H(10-x) where x = 1 to 10.

C<sub>x</sub>H<sub>2x-y+2</sub>Cl<sub>y</sub>; Where x = 10 to 13; y = 3 to 12; and where the average chlorine content ranges from 40-70% with the limiting molecular formulas C<sub>10</sub>H<sub>19</sub>Cl<sub>3</sub> and C<sub>13</sub>H<sub>16</sub>Cl<sub>12</sub>

See notes

\* All members are listed below and marked as "PAC" in column E

1.0 Includes any unique chemical substance that contains selenium as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains silver as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains strychnine or a strychnine salt as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains thallium as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains vanadium as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains warfarin or a warfarin salt as part of that chemical's infrastructure.

1.0 Includes any unique chemical substance that contains zinc as part of that chemical's infrastructure.

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**Category Member**







NP  
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HBCD  
HBCD

List Categories

**Type**

Paint

Reducer

Catalyst

Adhesion Promoter

Thinner

Gelcoat

Mold Release

Resin

Adhesive

Purge & Cleanup

Other-Non Coating

**MACT PPPP**

General Use Coating

Automotive Lamp Coating

Thermoplastic Olefin Coating

Assembled On-road Vehicle Coating

**MACT VVVV Gelcoat/Resin Type**

White

Pigmented Gelcoat

Clear Gelcoat

Tooling Gelcoat

Production Resin

Tooling Resin

**MACT WWWW Gelcoat/Resin**

CR/HS Resin

Non CR/HS Resin

Tooling Resin

Low-flame spread/low-smoke

Shrinkage controlled resin

Tooling Gelcoat

White/off white Gelcoat

Pigmented Gelcoat

CR/HS or high performance Gelcoat

Fire retardent gelcoat

Clear production gelcoat

See Molded Plastics Industries (200409) recordkeeping to set up TRI usage on Coating\_Material TRI

Monthly Usage Data is not entered the same on Great Lakes compared to MPI. It would be IDEAL, if it were, and Again, see MPI Recordkeeping for exact setup and detailed explanation.

\*\*\*\*\*

#### Characterization of Chemicals - Assigning to specific FGs or Eus

Date: 3/2/2022 by J Black

Anything with "primer" goes to paint category

Per permit N2340- FGOPENMOLDING is the only EU description which includes foam, putty and adhesives, so ar Assume all unassigned resin is EUOPENMOLDING to be conservative (assumes fewer controls on open molding |

Add a new category for MOLDRELEASE, because VOCs should be much lower than those in OPENMOLDING, consi

All paint and primer goes to EUCOATINGLINE

d the monthly usages linked to EU/FG tabs. Work with Jenny Osika (purchaser for GLC, Excel) to organize this sys

tem.

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019

REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
	<b>Permit Enforceability</b> All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted.				
	Those conditions that are hereby incorporated in a state only enforceable Source-wide PTI pursuant to Rule 201(2)(d) are designated by footnote one.				
	Those conditions that are hereby incorporated in federally enforceable Source- wide PTI No. MI PTI B5830-2009 pursuant to Rule 201(2)(c) is designated by footnote two.				
1	<b>General Provisions</b> The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA.				
2	It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP.				
3	This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rules 215 and 216.				
4	The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities: a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.				
	b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.				
	c. Inspect, at reasonable times, any of the following: i. Any stationary source. ii. Any emission unit. iii. Any equipment, including monitoring and air pollution control equipment. iv. Any work practices or operations regulated or required under the ROP.				
	d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.				
5	The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq., and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality.				

## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
6	A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP.				
7	The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451.				
8	This ROP does not convey any property rights or any exclusive privilege.				
9	<b>Equipment &amp; Design</b> Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2).				
10	Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law.				
11	<b>Emission Limits</b> Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in Subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following:" a. A 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity. b. A limit specified by an applicable federal new source performance standard. The grading of visible emissions shall be determined in accordance with Rule 303.				
12	The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following: a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property. b. Unreasonable interference with the comfortable enjoyment of life and property. (R 336.1901(b))				
13	<b>Testing/Sampling</b> The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1).				
14	Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003.				
15	Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test.				



# General Conditions

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Owosso, Michigan

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Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
16	<b>Monitoring/Record Keeping</b> Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate: <ol style="list-style-type: none"> <li>a. The date, location, time, and method of sampling or measurements.</li> <li>b. The dates the analyses of the samples were performed.</li> <li>c. The company or entity that performed the analyses of the samples.</li> <li>d. The analytical techniques or methods used.</li> <li>e. The results of the analyses.</li> <li>f. The related process operating conditions or parameters that existed at the time of sampling or measurement.</li> </ol>				
17	All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP.				
18	<b>Certification &amp; Reporting</b> Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.				
19	A responsible official shall certify to the appropriate District Office of the AQD and the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate District Office of the AQD pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, IL, 60604-3507.				
20	The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP.				
21	The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP: <ol style="list-style-type: none"> <li>a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).</li> <li>b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.</li> <li>c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.</li> </ol>				



## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
22	For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following: a. Submitting a certification by a responsible official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.  b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a responsible official which states that, based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete. The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.				
23	Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate District Office of the AQD. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports.				
24	On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department.				
25	The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate District Office of the AQD. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a responsible official in a manner consistent with the CAA.				
26	<b>Permit Shield</b> Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance, if either of the following provisions is satisfied: a. The applicable requirements are included and are specifically identified in the ROP. b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source. Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.				
27	Nothing in this ROP shall alter or affect any of the following: a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the EPA under Section 303 of the CAA. b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA.				



# General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019

REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
28	The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following: a. Operational flexibility changes made pursuant to Rule 215 b. Administrative amendments made pursuant to Rule 216(1)(a)(i)-(iv). c. Administrative amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. d. Minor permit modifications made pursuant to Rule 216(2). e. State-only modifications made pursuant to Rule 216(4) until the changes have been approved by the department.				
29	Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action.				
30	<b>Revisions</b> For changes to any process or process equipment covered by this ROP that does not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215.				
31	A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1).				
32	For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216.				
33	Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable.				
34	<b>Reopenings</b> A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances: a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements.				
35	<b>Renewals</b> For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP.				
36	<b>Stratospheric Ozone Protection</b> If the permittee is subject to 40 CFR Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimed, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.				



## General Conditions

MI-ROP-N2430-20XX

National Composites/Owosso Composite, LLC

Owosso, Michigan

DATE REPORT COMPLETED: 3/29/2019  
REPORT PERIOD: 7/1/2018 - 12/31/2018

Condition No.	Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>A. GENERAL CONDITIONS</b>					
37	If the permittee is subject to 40 CFR Part 82 and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.				
38	<b>Risk Management Plan</b> If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).				
39	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of Part 68 no later than the latest of the following dates as provided in 68.10(a): a. June 21, 1999, b. Three years after the date on which a regulated substance is first listed under 68.130, or c. The date on which a regulated substance is first present above a threshold quantity in a process.				
40	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.				
41	If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c).				
42	<b>Emission Trading</b> Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216.				
43	<b>Permit To Install (PTI)</b> The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.				
44	The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.				
45	The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, MDEQ.				
46	If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months, or has been interrupted for 18 months, the applicable terms and conditions from that PTI shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, MDEQ, AQD, P. O. Box 30260, Lansing, MI 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Emission Unit Conditions</b>					
<b>EUBLADE</b>					
EUBLADE	<b>DESCRIPTION:</b> One spray booth equipped with a handheld mechanical spray applicator for coating metal and plastic fan blades with resin and catalyst materials. Particulate emissions are controlled by dry filters. <b>Flexible Group ID:</b> FGMACTWWWWW				
EUBLADE	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booth				
EUBLADE	<b>I. EMISSION LIMIT(S):</b> 1. Styrene (CAS No. 100-42-5) - 800 lb/yr, <sup>1</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES Styrene lb/yr</a>	
EUBLADE	2. VOC (including styrene) - 1,000 lb/yr, <sup>2</sup> 12 month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUBLADES VOC lb/yr</a>	
EUBLADE	<b>II. MATERIAL LIMIT(S):</b> 1. The styrene content of any resin used in EUBLADE shall not exceed 42.0 percent by weight. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUBLADES Styrene Content</a>	
EUBLADE	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUBLADE and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
EUBLADE	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		Lids closed, cool dry place, accumulation area, labeled
EUBLADE	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall not operate the spray booth associated with EUBLADE unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
EUBLADE	2. The permittee shall equip and maintain the spray booth in EUBLADE with mechanical spray or HVLP applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
EUBLADE	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii))	Yes	C		
EUBLADE	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUBLADE	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUBLADE	<p>3. The permittee shall keep the following information on a monthly basis for EUBLADE:</p> <p>a. The identity and amount (in pounds) of each material used.</p> <p>b. The styrene content (in percent by weight) of each resin used.</p> <p>c. The VOC (including styrene) content of each material used.</p> <p>d. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)</p> <p>e. Styrene emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.</p> <p>f. VOC mass emission calculations determining the monthly emission rate in pounds per calendar month, and the annual emission rate in pounds per 12-month rolling time period as determined at the end of each calendar month.</p> <p>The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request.<sup>2</sup> (R 336.1225(2), R 336.1702(a))</p>	Yes	C	<a href="#">EUBLADES Material Identity &amp; amount</a> <a href="#">EUBLADES Styrene Content</a> <a href="#">EUBLADES VOC Content</a> <a href="#">EUBLADES Emission Factor</a> <a href="#">EUBLADES Styrene lb/yr</a> <a href="#">EUBLADES VOC lb/yr</a>	
EUBLADE	<p><b>VII. REPORTING</b></p> <p>1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))</p>	Yes	C		
EUBLADE	<p>2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))</p>	Yes	C		
EUBLADE	<p>3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))</p>	Yes	C		
EUBLADE	<p><b>VIII. STACK/VENT RESTRICTION(S):</b>  The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:</p> <p>1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches;<sup>2</sup> Min Height Above Ground 30 feet.<sup>2</sup></p>	Yes	C		
EUBLADE	<p><b>IX. OTHER REQUIREMENT(S):</b></p> <p>1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production.<sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)</p>	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUADHESIVEDISPING</b>					
EUADHESIVE DISPING	<b>DESCRIPTION:</b> A glue adhesive filling station and two (2) mechanical guns for the manual application of methyl methacrylate (MMA) and styrene based adhesives. <b>Flexible Group ID:</b> NA				
EUADHESIVE DISPING	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUADHESIVE DISPING	<b>I. EMISSION LIMIT(S):</b> 1. VOC (including styrene) - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	<b>II. MATERIAL LIMIT(S):</b> NA				
EUADHESIVE DISPING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S):</b> 1. The permittee shall capture all waste materials used in EUADHESIVEDISPING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> 1. The permittee shall equip and maintain EUADHESIVEDISPING with mechanical gun, non-atomizing applicators or comparable technology with equivalent transfer efficiency whenever technically feasible. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years.(R 336.1213(3)(b)(ii)) NA	Yes	C		
EUADHESIVE DISPING	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
EUADHESIVE DISPING	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUADHESIVE DISPING	3. The permittee shall keep the following information on a monthly basis for EUADHESIVEDISPING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">EUADHESIVEDISPING Materials</a>	
	b. The VOC content (including styrene) of each material used, material, and the volume fraction of coating solids for each coating	Yes	C	<a href="#">EUADHESIVEDISPING VOC Content</a>	
	c. The appropriate emission factors for each raw material used. (The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009 may be used, or an alternate factor approved by the AQD District Supervisor.)	Yes	C	<a href="#">EUADHESIVEDISPING VOC Emission Factors</a>	
EUADHESIVE DISPING	d. VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUADHESIVEDISPING VOC tpy</a>	
EUADHESIVE DISPING	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1225(2), R 336.1702(a))	Yes	C		
EUADHESIVE DISPING	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
EUADHESIVE DISPING	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUADHESIVE DISPING	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUADHESIVE DISPING	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUADHESIVE DISPING	<b>IX. OTHER REQUIREMENT(S):</b> NA				



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUFOAM</b>					
EUFOAM	<b>DESCRIPTION:</b> Polyurethane foam production for boat floatation. <b>Flexible Group ID:</b> FGMACTVVVV				
EUFOAM	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUFOAM	<b>I. EMISSION LIMIT(S):</b> NA				
EUFOAM	<b>II. MATERIAL LIMIT(S):</b> 1. The permittee shall not use more than 8,000 pounds per 12-month rolling time period of mixed polyol/isocyanate resin two-part foam in EUFOAM. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	Saw these materials on site. Always have usage? None reported for many months in 2020
EUFOAM	<b>III. PROCESS/OPERATIONAL RESTRICTIONS:</b> 1. The permittee shall capture all waste materials used in EUFOAM and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUFOAM	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUFOAM	<b>V. TESTING/SAMPLING:</b> NA				
EUFOAM	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii))				
EUFOAM	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		
EUFOAM	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUFOAM	3. The permittee shall keep, in a satisfactory manner, monthly and 12-month rolling time period records of the amount of mixed polyol/isocyanate resin two-part foam used each month and 12-month rolling time period. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">EUFOAM Material Use</a>	
EUFOAM	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(iii))	Yes	C		
EUFOAM	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
EUFOAM	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
EUFOAM	<b>VIII. STACK/VENT RESTRICTION(S):</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted: 1. SVBLADE - Max Exhaust Diameter/Dimensions 24 inches; <sup>2</sup> Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
EUFOAM	<b>IX. OTHER REQUIREMENT(S):</b> The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>EUCLEANUP</b>					
EUCLEANUP	<b>DESCRIPTION:</b> Miscellaneous cleanup activities including two (2) acetone recycle systems. <b>Flexible Group ID:</b> FGMACTVVVV, FGMACTWWW				There are actually three
EUCLEANUP	<b>POLLUTION CONTROL EQUIPMENT:</b> NA				
EUCLEANUP	<b>I. EMISSION LIMIT(S):</b>				
EUCLEANUP	1. Acetone (CAS No. 67-64-1) - 13.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	Show Diane how to enter recycled acetone with negative number on EUCLEANUP worksheet
EUCLEANUP	2. VOC - 1.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
EUCLEANUP	<b>II. MATERIAL LIMIT(S):</b> NA				
EUCLEANUP	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in EUCLEANUP and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
EUCLEANUP	<b>IV. DESIGN/EQUIPMENT PARAMETER(S):</b> NA				
EUCLEANUP	<b>V. TESTING/SAMPLING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
EUCLEANUP	<b>VI. MONITORING/RECORDKEEPING:</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
EUCLEANUP	1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a)) (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
EUCLEANUP	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
EUCLEANUP	3. The permittee shall keep the following information on a monthly basis for EUCLEANUP:				
	a. The identity of each clean-up solvent used.	Yes	C	<a href="#">EUCLEANUP Material Identity</a>	
	b. The amount (in gallons or pounds) of each clean-up solvent used, recovered and reclaimed.	Yes	C	<a href="#">EUCLEANUP Usage &amp; Reclaim</a>	
	c. Acetone emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP Acetone</a>	
	d. VOC emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">EUCLEANUP VOC</a>	
	The permittee shall keep the records using mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
EUCLEANUP	<b>VII. REPORTING:</b> 1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
EUCLEANUP	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
EUCLEANUP	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
EUCLEANUP	<b>VIII. STACK/VENT RESTRICTION(S)</b> NA				
EUCLEANUP	<b>IX. OTHER REQUIREMENT(S):</b> NA				
EUCLEANUP	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and VVVV)</b>	Yes	C		
EUCLEANUP	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>Flexible Group Conditions</b>					
<b>FGOPENMOLDING</b>					
FGOPEN MOLDING	<b>DESCRIPTION:</b> Three open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Operations include the use of resin, putty, and catalyst materials. Particulate emissions are controlled by dry filters.				
FGOPEN MOLDING	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, and EUEXTRABOOTH				
FGOPEN MOLDING	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGOPEN MOLDING	<b>I. EMISSION LIMIT(S)</b> NA				
FGOPEN MOLDING	1. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGOPENMOLDING VOC tpy</a>	
FGOPEN MOLDING	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the styrene content limits listed in the following table for FGOPENMOLDING: R 336.1702(a)	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
FGOPEN MOLDING	a) Flame Resistant Resins: 42.0%				
FGOPEN MOLDING	b) All other Resins: 33.5%				
FGOPEN MOLDING	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGOPENMOLDING and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGOPEN MOLDING	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		How are air filters disposed of?
FGOPEN MOLDING	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> 1. The permittee shall not operate any spray booth associated with FGOPENMOLDING unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGOPEN MOLDING	2. The permittee shall equip and maintain each of the spray booths in FGOPENMOLDING with mechanical applicators or technology with equivalent or lower styrene emission rates. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGOPEN MOLDING	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) NA	Yes	C		
FGOPEN MOLDING	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGOPEN MOLDING	3. The permittee shall keep the following information on a monthly basis for FGOPENMOLDING:				
	a. The identity and amount (in pounds) of each material used.	Yes	C	<a href="#">FGOPENMOLDING Materials Used</a>	
	b. The styrene content (in percent by weight) of each resin used.	Yes	C	<a href="#">FGOPENMOLDING Styrene Content</a>	
	d)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGOPENMOLDING Emission Factor</a>	
	e. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGOPENMOLDING Styrene tpy</a>	
	The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request.2 (R 336.1702(a))	Yes	C		
FGOPEN MOLDING	<b>VII. REPORTING</b> NA				
FGOPEN MOLDING	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:				
FGOPEN MOLDING	1. SVCHOP1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		Compare to old permit, see if diameter/height compare
FGOPEN MOLDING	2. SVCHOP2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	3. SVCHOP3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGOPEN MOLDING	4. SVCHOP4 - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	5. EUEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet.	Yes	C		
FGOPEN MOLDING	<b>IX. OTHER REQUIREMENT(S)</b> 1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGOPEN MOLDING	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGGELCOAT</b>					
FGGELCOAT	<b>DESCRIPTION:</b> Two spray booths equipped with mechanical spray applicators for the application of gelcoat materials with a shared drying area. Operations include the use of gelcoats and catalysts. Particulate emissions are controlled by dry filters.				
FGGELCOAT	<b>Emission Units:</b> EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH				
FGGELCOAT	<b>POLLUTION CONTROL EQUIPMENT</b> Dry filters on spray booths				
FGGELCOAT	2. VOC - 29.0 tpy, <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGGELCOAT VOC tpy</a>	
FGGELCOAT	<b>II. MATERIAL LIMIT(S)</b> 1. The permittee shall not exceed the monomer content limits listed in the following table for FGGELCOAT. <sup>2</sup> (R 336.1702(a))				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	a. White gelcoats - Max Styrene Content 31.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for White is 30.4% and MMA of
	b. Clear gelcoats - Max Styrene Content 32.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Max styrene content for Clear is 31.1% and MMA of
	c. All other pigmented gelcoats - Max Styrene Content 40.0 weight %; Max Methyl Methacrylate (MMA) Content 10.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	Platinum Tan contains 40.0%. Max MMA content is 10%
	d. Tooling gelcoats - Max Styrene Content 43.0 weight %; Max Methyl Methacrylate (MMA) Content 5.0 weight %	Yes	C	<a href="#">FGGELCOAT Styrene/MMA Content</a>	No tooling gelcoats used in 2019
FGGELCOAT	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGGELCOAT and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall dispose of spent filters in a manner which minimizes the introduction of air contaminants to the outer air. <sup>2</sup> (R 336.1224, R 336.1370)	Yes	C		
FGGELCOAT	3. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		During site visit saw many open buckets with gelcoats?
FGGELCOAT	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b>				
FGGELCOAT	1. The permittee shall not operate the spray booths associated with FGGELCOAT unless its respective exhaust filter is installed, maintained and operated in a satisfactory manner. <sup>2</sup> (R 336.1301, R 336.1331)	Yes	C		
FGGELCOAT	2. The permittee shall equip and maintain the spray booths in FGGELCOAT with HVLP applicators or technology with equivalent or lower styrene emission rates. For HVLP applicators, the permittee shall keep test caps available for pressure testing. <sup>2</sup> (R 336.1702(a))	Yes	C	Installed tips and heaters necessary for guns to operate as non-atomized	
FGGELCOAT	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGGELCOAT	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGGELCOAT	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGGELCOAT	3. The permittee shall keep the following information on a monthly basis for FGGELCOAT:				
	a. The identity and amount (in pounds) of each material used.	Yes	C		
	b. The styrene content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT Styrene Content</a>	
	c. The MMA content (in percent by weight) of each gelcoat used.	Yes	C	<a href="#">FGGELCOAT MMA Content</a>	
	d. The VOC (including styrene) content of each material used.	Yes	C	<a href="#">FGGELCOAT VOC Content</a>	
	e)The appropriate emission factors for each raw material used: i.The Unified Emission Factors (UEF) Table 1 for Open Molding of Composites from the American Composites Manufacturers Association (ACMA), October 2009, shall be used only for styrene and MMA emission calculations for open molding processes, ii.Mass balance used for non-styrene, non-MMA VOC emissions, or iii.Alternate emission factors may be used with the approval of the AQD District Supervisor.	Yes	C	<a href="#">FGGELCOAT Emission Factor</a>	
	f. Styrene emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.	Yes	C	<a href="#">FGGELCOAT Styrene tpy</a>	
The permittee shall keep the records using the UEF table, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. <sup>2</sup> (R 336.1702(a))	Yes	C			
FGGELCOAT	<b>VII. REPORTING</b>	Yes	C		
FGGELCOAT	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
FGGELCOAT	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGGELCOAT	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGGELCOAT	4. The permittee shall submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler(s) and/ or process heater(s) and its energy use systems was completed. within 60 days following completion of the tests. (40 CFR 63.7530(d))	Yes	C		
FGGELCOAT	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGGELCOAT	1. SVGELCOAT1 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	2. SVCGELCOAT2 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGGELCOAT	3. SVCGELCOAT3 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>3</sup>	Yes	C		
FGGELCOAT	4. SVCGELCOAT4 - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>4</sup>	Yes	C		
FGGELCOAT	5. SVEXTRABOOTH - Max Exhaust Diameter/Dimensions 30 inches;2 Min Height Above Ground 30 feet. <sup>5</sup>	Yes	C		
FGGELCOAT	<b>IX. OTHER REQUIREMENT(S)</b>	Yes	C		
FGGELCOAT	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)	Yes	C		
FGGELCOAT	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production. <sup>2</sup> (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGRTM/PRESS</b>					
FGRTM/PRESS	<b>DESCRIPTION:</b> RTM, electric pre-form oven and compression molding operation to manufacture boat(s) and boat parts in a closed mold process. Operations include the use of resin and catalyst materials.				
FGRTM/PRESS	<b>Emission Units:</b> EURTM, EUPRESS, EUOVEN				
FGRTM/PRESS	<b>POLLUTION CONTROL EQUIPMENT</b> NA				
FGRTM/PRESS	<b>I. EMISSION LIMIT(S)</b> 1. VOC (including styrene) - 3.0 tpy; 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2, SC VI.3.	Yes	C	<a href="#">FGRTM/PRESS VOC lb/year</a>	Change in compliance tab??
FGRTM/PRESS	<b>II. MATERIAL LIMIT(S)</b> 1. The styrene content of all resins used in EURTM shall not exceed 44.5 percent by weight. (R 336.1702(a))	Yes	C	<a href="#">FGRTM/PRESS Styrene Content</a>	
FGRTM/PRESS	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall capture all waste materials used in FGRTM/PRESS and store them in closed containers. The permittee shall dispose of waste materials in an acceptable manner in compliance with all applicable state rules and federal regulations. <sup>2</sup> (R 336.1224, R 336.1702(a))	Yes	C		
FGRTM/PRESS	2. The permittee shall handle all VOC and/or HAPs containing materials in a manner to minimize the generation of fugitive emissions. The permittee shall keep containers covered at all times except when operator access is necessary. <sup>2</sup> (R 336.1224, R 336.1225, R 336.1702(a))	Yes	C		
FGRTM/PRESS	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGRTM/PRESS	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) NA	Yes	C		
FGRTM/PRESS	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1201(3)) 1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. <sup>2</sup> (R 336.1702(a))	Yes	C		
FGRTM/PRESS	2. The permittee shall maintain a current listing from the manufacturer of the chemical composition of each material, including the weight percent of each component. The data may consist of Safety Data Sheets, manufacturer's formulation data, or both as deemed acceptable by the AQD District Supervisor. The permittee shall keep all records on file and make them available to the Department upon request. <sup>2</sup> (R 336.1225, R 336.1702(a))	Yes	C	<a href="#">Chemical Composition</a>	
FGRTM/PRESS	The permittee shall keep the following information on a monthly basis for FGRTM/PRESS:	Yes	C		
	a) The identity and amount (in pounds) of each material used.	Yes	C		
	b) The styrene content (in percent by weight) of each resin used.	Yes	C		
	c) The VOC content (including styrene) of each material used.	Yes	C		
	d) The appropriate emission factors for each raw material used: i. The emission factor of 1% by weight of styrene emitted (from EPA-AP-42 Section 4.4 for Polyester Resin Plastics Production Fabrication) shall be used for closed molding processes, ii. Mass balance used for non-styrene VOC emissions, or iii. Alternate emission factors may be used with the approval of the AQD District Supervisor	Yes	C		



Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
	<p>e)VOC mass emission calculations determining the monthly emission rate in tons per calendar month, and the annual emission rate in tons per 12-month rolling time period as determined at the end of each calendar month.</p> <p>The permittee shall keep the records using AP-42 emission factors, mass balance, or an alternative format acceptable to the AQD District Supervisor. The permittee shall keep all records on file make them available to the Department upon request. (R 336.1702(a))</p>	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGRTM/PRESS	<b>VII. REPORTING</b> NA				
FGRTM/PRESS	<b>VIII. STACK/VENT RESTRICTION(S)</b> The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:	Yes	C		
FGRTM/PRESS	1. SVRTM - Max Exhaust Diameter/Dimensions 24 inches;2 Min Height Above Ground 30 feet. <sup>2</sup>	Yes	C		
FGRTM/PRESS	<b>IX. OTHER REQUIREMENT(S)</b> 1. . The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart VVVV for Boat Manufacturing. (40 CFR Part 63, Subparts A and VVVV)	Yes	C	<a href="#">MACT VVVV</a>	
FGRTM/PRESS	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production.2 (40 CFR Part 63, Subparts A and WWWW)	Yes	C	<a href="#">MACT WWWW</a>	
<b>FGMACTVVV</b>					
FGMACTVVV	<b>DESCRIPTION:</b> Each new or reconstructed affected source at boat manufacturing facilities as identified in 40 CFR, Part 63, Subpart VVVV, 40 CFR 63.5683 and 40 CFR 63.5689. The affected source includes open molding resin and gelcoat operations including production resin, tooling resin, pigmented gelcoat, clear gelcoat, and tooling gelcoat, closed molding resin operations, resin and gelcoat mixing operations, resin and gelcoat application equipment cleaning operations, and carpet and fabric adhesive operations.				
FGMACTVVV	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EURTM, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUFOAM, EUCLEANUP				
FGMACTVVV	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTVVV	<b>I. EMISSION LIMIT(S)</b> 1. Total Organic HAP - The organic HAP limit determined in accordance with 40 CFR 63.5698 (including equation 1); <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC VI.2.	Yes	C	<a href="#">MACT VVVV limit</a>	
FGMACTVVV	<b>II. MATERIAL LIMIT(S)</b> 1. Organic HAP Content of production resin using atomized application - 28% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	2. Organic HAP Content of production resin using non-atomized application - 35% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Production Resin Non-Atomized</a>	
FGMACTVVV	3. Organic HAP Content of pigmented gelcoat - 33% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	See Average		<a href="#">MACT VVVV Pigmented Gelcoat</a>	
FGMACTVVV	4. Organic HAP Content of clear gelcoat - 48% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Clear Gelcoat</a>	
FGMACTVVV	5. Organic HAP Content of tooling resin using atomized application - 30% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.			NA	
FGMACTVVV	6. Organic HAP Content of tooling resin using non-atomized application - 39% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Resin Non-atomized</a>	None used in 2019
FGMACTVVV	7. Organic HAP Content of tooling gelcoat - 40% by weight; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC VI.11.	Yes	C	<a href="#">MACT VVVV Tooling Gelcoat</a>	None used in 2019
FGMACTVVV	* The material limits in this table are applicable when using the compliant materials option (40 CFR 63.5701(b)) to demonstrate compliance.				
FGMACTVVV	<b>III. PROCESS/OPERATIONAL RESTRICTION(S)</b> NA				
FGMACTVVV	<b>IV. DESIGN/EQUIPMENT PARAMETER(S)</b> NA				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>V. TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii)) NA	Yes	C		
FGMACTVVVV	<b>VI. MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(3)(b)(ii))	Yes	C		
FGMACTVVVV	<b>Emissions Averaging</b>				
FGMACTVVVV	1. When using Emissions Averaging to comply with the HAP material limits, the permittee must prepare an implementation plan as specified in 40 CFR 63.5707. <sup>2</sup> (40 CFR 63.5707)			NA	
FGMACTVVVV	2. When using Emissions Averaging to demonstrate compliance with the HAP material limits, the permittee must calculate the emissions on a 12 month rolling average using Equation 1 from 40 CFR 63.5710 of Subpart VVVV at the end of the 12th month after the applicable compliance date and at the end of every subsequent month. <sup>2</sup> (40 CFR 63.5710)	Yes	C		
FGMACTVVVV	3. Use equation 2 from 40 CFR 63.5710 of Subpart VVVV at the end of each month to determine the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average required above. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	4. Use the equations from Table 3 of Subpart VVVV to determine PV <sub>i</sub> in equation 2 from 40 CFR 63.5710 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5710)			NA	
FGMACTVVVV	5. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(a)(3)(i))			NA	
FGMACTVVVV	6. Maintain records of the amount of each resin and gelcoat used per month. <sup>2</sup> (40 CFR 63.5704(a)(3)(ii))			NA	
FGMACTVVVV	7. Maintain records of the application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(a)(3)(iii))			NA	
FGMACTVVVV	<b>Compliant Materials</b>				
FGMACTVVVV	8. When using Compliant Materials to comply with the HAP limit in SC I.1 above, the permittee may use equation 1 from 40 CFR 63.5713 of Subpart VVVV to calculate the weighted average organic HAP content at the end of every month for all resins and gel coats used in each operation in the past 12 months. If all resins and gel coats used have organic HAP contents no greater than the applicable organic HAP content limits, this calculation is not necessary to demonstrate compliance. <sup>2</sup> (40 CFR 63.5713)	See Average		NA	
FGMACTVVVV	9. If filled resins are used, equation 1 from 40 CFR 63.5714 of Subpart VVVV must be used to demonstrate compliance for the filled material on an as-applied basis. <sup>2</sup> (40 CFR 63.5714)			NA	
FGMACTVVVV	10. Use the methods specified in 40 CFR 63.5758 to determine the organic HAP contents of resins and gel coats. <sup>2</sup> (40 CFR 63.5704(b)(1))	Yes	C	<a href="#">MACT VVVV Compliant Materials</a>	
FGMACTVVVV	11. Complete the calculations described in 40 CFR 63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5704(b)(2))	Yes	C	<a href="#">MACT VVVV Averaging</a>	
FGMACTVVVV	12. Maintain records of the HAP content of each resin and gelcoat. <sup>2</sup> (40 CFR 63.5704(b)(3)(i))	Yes	C	<a href="#">Material HAP</a>	
FGMACTVVVV	13. Maintain records of the application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology. <sup>2</sup> (40 CFR 63.5704(b)(3)(ii))			NA - non-atomized	
FGMACTVVVV	14. Maintain records of the amount of resin and gelcoat used per month. This record is not required for an operation if all resins and gelcoats used for that operation comply with the organic HAP content requirements. <sup>2</sup> (40 CFR 63.5704(b)(3)(iii))	Yes	C	<a href="#">MACT VVVV Resin and Gelcoat Quantities</a>	
FGMACTVVVV	15. Maintain records of the calculations performed, if required to demonstrate compliance based on weighted-average organic HAP content as described in 40 CFR 63.5713. <sup>2</sup> (40 CFR 63.5704(b)(3)(iv))	Yes	C	<a href="#">MACT VVVV Calculations</a>	
FGMACTVVVV	<b>General Requirements</b>				
FGMACTVVVV	16. Maintain the records required by 40 CFR 63.5767 of Subpart VVVV. <sup>2</sup> (40 CFR 63.5767)				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTVVVV	<b>VII. REPORTING</b>	Yes	C		
FGMACTVVVV	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. (R 336.1213(3)(c)(ii))	Yes	C		
FGMACTVVVV	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. (R 336.1213(3)(c)(i))	Yes	C		
FGMACTVVVV	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. (R 336.1213(4)(c))	Yes	C		
FGMACTVVVV	4. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5764. The report shall include the following: <sup>2</sup> (40 CFR 63.5764)				
	a. The date of the report and the beginning and ending dates of the reporting period.	Yes	C		
	b. A description of any changes in the manufacturing process since the last compliance report.	Yes	C		
	c. A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which complying. The statement or table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.	Yes	C		
	d. If in compliance with the emission limits and work practice standards during the reporting period include a statement to that effect.	Yes	C		
	e. If the permittee deviated from an emission limit or work practice standard during the reporting period, the permittee must also include:			NA	
	i. A description of the operation involved in the deviation.			NA	
	ii. The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.			NA	
	iii. A description of any corrective action taken to minimize the deviation and actions taken to prevent it from happening again.			NA	
	iv. A statement of whether or not the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.			NA	
FGMACTVVVV	<b>VIII. STACK/VENT RESTRICTION(S)</b>				
	NA				
FGMACTVVVV	<b>IX. OTHER REQUIREMENT(S)</b>	Yes	C		
	1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart VVVV for Boat Manufacturing by the initial compliance date. <sup>2</sup> (40 CFR Part 63, Subparts A and VVVV)				

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
<b>FGMACTWWWWW</b>					
FGMACTWWWWW	<b>DESCRIPTION:</b> Each new or reconstructed affected source at reinforced plastic composites production facilities as identified in 40 CFR, Part 63, Subpart WWWW, 40 CFR 63.5785 and 40 CFR 63.5790. Reinforced plastic composites production is defined in 40 CFR 63.5785. Reinforced plastic composites production also includes associated activities, such as cleaning, mixing, HAP-containing materials storage, and repair operations associated with the production of plastic composites.				
FGMACTWWWWW	<b>Emission Units:</b> EUOPENMOLDING1, EUOPENMOLDING2, EUOPENMOLDING3, EUOPENMOLDING4, EUGELCOAT1, EUGELCOAT2, EUGELCOAT3, EUGELCOAT4, EUEXTRABOOTH, EUBLADE, EURT, EUPRESS, EUOVEN, EUCLEANUP				
FGMACTWWWWW	<b>POLLUTION CONTROL EQUIPMENT</b> Dry fabric filters				
FGMACTWWWWW	<b>I. EMISSION LIMIT(S)</b> 1. Organic HAP from Open Molding –Corrosion Resistant and/or High Strength (CR/HS) Resin, Mechanical Application - 113 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	2. Organic HAP from Open Molding – Non CR/HS Resin, Mechanical Application - 88 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	3. Organic HAP from Open Molding – Tooling Resin, Mechanical Application - 254 lb/ton; <sup>2</sup> 12-month rolling average as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	4. Organic HAP from Open Molding - Low-flame spread/low-smoke products - 497 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	5. Organic HAP from Open Molding – Shrinkage controlled resins - 354 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	6. Organic HAP from Open Molding – Tooling gel coat - 440 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	7. Organic HAP from Open Molding – White/off white pigmented gel coat - 267 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	8. Organic HAP from Open Molding – Pigmented gel coat - 377 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	9. Organic HAP from Open Molding – CR/HS or high performance gel coat - 605 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	10. Organic HAP from Open Molding – Fire retardant gel coat - 854 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	11. Organic HAP from Open Molding –Clear production gel coat - 522 lb/ton; <sup>2</sup> 12-month rolling time period as determined at the end of each calendar month; Monitoring/Test Method: SC V.1.			See Weighted Average	
FGMACTWWWWW	12. The permittee shall use one or a combination of the following methods to meet the standards for open molding operations in Table 3 of Subpart WWWW of Part 63. <sup>2</sup> <b>(40 CFR 63.5810)</b>			See Weighted Average	
FGMACTWWWWW	a. Demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit in Table 3 of Subpart WWWW of Part 63. <b>(40 CFR 63.5810(a))</b>			See Weighted Average	
FGMACTWWWWW	b. Demonstrate that, on average, the facility meets the individual organic HAP emissions limits for each unique combination of operation type and resin application method or gel coat type shown in Table 3 to this subpart that applies to the facility. <b>(40 CFR 63.5810(b))</b>			See Weighted Average	
FGMACTWWWWW	c. Demonstrate compliance with a weighted average emission limit. Demonstrate each month that the permittee meets each weighted average of the organic HAP emissions limits in Table 3 to this subpart that apply the weighted average organic HAP emissions limit for all open molding operations. <b>(40 CFR 63.5810(c))</b>	Yes	C	<a href="#">MACT WWWW Facility Weighted Average</a>	
FGMACTWWWWW	d. Meet the organic HAP emissions limit for one application method and use the same resin(s) for all application methods of that resin type. This option is limited to resins of the same type. The resin types for which this option may be used are noncorrosion-resistant, corrosion-resistant and/or high strength, and tooling. <b>(40 CFR 63.5810(d))</b>			See Weighted Average	

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	13. The permittee may switch between the compliance options in SC I.12.a through 12.d. When changing to an option based on a 12-month rolling average, the facility must base the average on the previous 12 months of data calculated using the compliance option the facility is changing to, unless the facility previously used an option that did not require the facility to maintain records of resin or gel coat. In this case, the facility must immediately begin collecting resin and gel coat and demonstrate compliance 12 months after changing options. <sup>2</sup> (40 CFR 63.5810)				
FGMACTWWWWW	II. <b>MATERIAL LIMIT(S)</b> NA				
FGMACTWWWWW	III. <b>PROCESS/OPERATIONAL RESTRICTION(S)</b> 1. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C	Acetone is only clean-up solvent	
FGMACTWWWWW	2. For each HAP-containing materials storage operation, the permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety. <sup>2</sup> (40 CFR 63.5805, Table 4)	Yes	C		
FGMACTWWWWW	3. For each mixing operation, the permittee shall use mixer covers with no visible gaps present in the mixer covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	4. For each mixing operation, the permittee shall close any mixer vents when actual mixing is occurring, except that venting is allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. Vents routed to a 95 percent efficient control device are exempt from this requirement. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	5. For each mixing operation, the permittee shall keep the mixer covers closed while actual mixing is occurring, except when adding materials or changing covers to the mixing vessels. <sup>2</sup> (40 CFR 63.5805, Table 4)			NA	
FGMACTWWWWW	IV. <b>DESIGN/EQUIPMENT PARAMETER(S)</b> NA				
FGMACTWWWWW	V. <b>TESTING/SAMPLING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall determine the HAP content of any resin(s) as received and as applied, using manufacturer's formulation data and safety data sheets, using the procedures outlined in 40 CFR 63.5797 (a) through (c) as applicable. Upon request of the AQD District Supervisor, the permittee shall verify the manufacturer's HAP formulation data using EPA Test Method 311. <sup>2</sup> (40 CFR 63.5797)	Yes	C	Material HAP	
FGMACTWWWWW	VI. <b>MONITORING/RECORDKEEPING</b> Records shall be maintained on file for a period of five years. (R 336.1213(b)(ii)) 1. The permittee shall conduct an initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR 63.5840 and 40 CFR 63.5860. <sup>2</sup> (40 CFR 63.5840, 40 CFR 63.5860)	Yes	C		
FGMACTWWWWW	2. The permittee shall demonstrate continuous compliance with the applicable standards according to the procedures outlined in 40 CFR 63.5895 and 40 CFR 63.5900. <sup>2</sup> (40 CFR 63.5895, 40 CFR 63.5900)	Yes	C		
FGMACTWWWWW	3. The permittee shall keep all records required by 40 CFR 63.5915 in the format and timeframes outlined in 40 CFR 63.5920. The records must be kept onsite for a period of at least two years. The records must be kept for a total of at least five years. <sup>2</sup> (40 CFR 63.5915, 40 CFR 63.5920)	Yes	C		
FGMACTWWWWW	4. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date: <sup>2</sup>				
FGMACTWWWWW	a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63 Subpart WWWW, and the documentation supporting each notification as specified in 40 CFR 63.5915(a)(1). (40 CFR 63.5915(a))	Yes	C		
FGMACTWWWWW	b. Records of all data, assumptions, and calculations used to determine organic HAP emission factors or average organic HAP contents for operations listed in Table 3 to 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(c))	Yes	C		
FGMACTWWWWW	c. A certified statement demonstrating compliance with all applicable work practice standards identified in Table 4 of 40 CFR Part 63 Subpart WWWW. (40 CFR 63.5915(d))	Yes	C		

Emission Unit or Flexible Group	Condition No. & Description	Compliance Status Yes/No	Continuous (C) or Intermittent (I)	Methods Used to Determine Compliance Status	Remarks
FGMACTWWWWW	5. The permittee shall keep records documenting that the resin(s) used in FGMACTWWWWW meet(s) the requirements for corrosion-resistant resin, non-corrosion-resistant resin, or tooling resin as outlined in 40 CFR 63.5935. <sup>2</sup> <b>(40 CFR 63.5935)</b>	Yes	C		
FGMACTWWWWW	<b>VII. REPORTING</b>	Yes	C		
FGMACTWWWWW	1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. <b>(R 336.1213(3)(c)(ii))</b>	Yes	C		
FGMACTWWWWW	2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. <b>(R 336.1213(3)(c)(i))</b>	Yes	C		
FGMACTWWWWW	3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. <b>(R 336.1213(4)(c))</b>	Yes	C		
FGMACTWWWWW	4. The permittee shall submit the applicable notifications specified in, and according to the timeframes in 40 CFR 63.5905. <sup>2</sup> <b>(40 CFR 63.5905)</b>	Yes	C		
FGMACTWWWWW	5. The permittee shall submit all applicable reports identified in, and according to the timeframes in 40 CFR 63.5910. <sup>2</sup> <b>(40 CFR 63.5910)</b>	Yes	C		
FGMACTWWWWW	6. The permittee shall submit semiannual reporting of compliance as required in 40 CFR 63.5910(c). The report shall include the following: a. Company name and address. <b>(40 CFR 63.5910(c)(1))</b> b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. <b>(40 CFR 63.5910(c)(2))</b> c. Date of the report and beginning and ending dates of the reporting period. <b>(40 CFR 63.5910(c)(3))</b> d. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that apply to you, and there are no deviations from the requirements for work practice standards in Table 4 to this subpart, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period. <b>(40 CFR 63.5910(c)(5))</b>	Yes	C		
FGMACTWWWWW	<b>VIII. STACK/VENT RESTRICTION(S)</b> NA				
FGMACTWWWWW	<b>IX. OTHER REQUIREMENT(S)</b> 1. If the permittee produces reinforced plastic composites that are not used in fiberglass boat manufacture at the facility, the permittee may elect to have the operations covered by 40 CFR Part 63, Subpart VVVV, in lieu of 40 CFR Part 63, Subpart WWWW, if it can be demonstrated that this will not result in any organic HAP emissions increase compared to complying with 40 CFR Part 63, Subpart WWWW. <sup>2</sup> <b>(40 CFR 63.5787(c) and (d))</b>			NA	
FGMACTWWWWW	2. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart WWWW for Reinforced Plastic Composites Production by the initial compliance date. <sup>2</sup> <b>(40 CFR Part 63, Subparts A and WWWW)</b>	Yes	C		

**Footnotes:**

<sup>1</sup> This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

<sup>2</sup> This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month Rolling M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month M <sub>R</sub> (Mg)	12-month Rolling PV <sub>R</sub> (kg/Mg)
Jan-17	-	-	0%	--	--	-	-	-	-
Feb-17	-	-	0%	--	--	-	-	-	-
Mar-17	-	-	0%	--	--	-	-	-	-
Apr-17	-	-	0%	--	--	-	-	-	-
May-17	1.05	3.29	32%	32%	Yes	110.95	110.95	2.98	37.18
Jun-17	1.42	4.44	32%	32%	Yes	149.63	260.59	7.01	37.18
Jul-17	0.26	0.81	32%	32%	Yes	27.42	288.00	7.75	37.18
Aug-17	0.75	2.33	32%	32%	Yes	78.67	366.67	9.86	37.18
Sep-17	0.10	0.31	32%	32%	Yes	10.53	377.20	10.14	37.18
Oct-17	-	-	0%	32%	Yes	-	377.20	10.14	37.18
Nov-17	0.18	0.55	32%	32%	Yes	18.46	395.66	10.64	37.18
Dec-17	0.28	0.88	32%	32%	Yes	29.52	425.19	11.43	37.18
Jan-18	1.24	3.88	32%	32%	Yes	130.83	556.01	14.95	37.18
Feb-18	1.24	3.88	32%	32%	Yes	130.83	686.84	18.47	37.18
Mar-18	1.24	3.88	32%	32%	Yes	130.83	817.66	21.99	37.18
Apr-18	1.24	3.88	32%	32%	Yes	130.83	948.49	25.51	37.18
May-18	-	-	0%	32%	Yes	-	837.53	22.52	37.18
Jun-18	0.86	2.69	32%	32%	Yes	90.87	778.77	20.94	37.18
Jul-18	0.81	2.53	32%	32%	Yes	85.50	836.85	22.51	37.18
Aug-18	1.18	3.68	32%	32%	Yes	124.19	882.37	23.73	37.18
Sep-18	0.58	1.80	32%	32%	Yes	60.81	932.65	25.08	37.18
Oct-18	0.34	1.05	32%	32%	Yes	35.49	968.14	26.04	37.18
Nov-18	0.20	0.61	32%	32%	Yes	20.63	970.31	26.10	37.18
Dec-18	0.35	1.10	-	-	-	37.11	--	-	--
Jan-19	0.36	1.13	32%	32%	Yes	38.21	885.28	23.81	37.18



**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month Rolling M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month M <sub>R</sub> (Mg)	12-month Rolling PV <sub>R</sub> (kg/Mg)
Feb-19	1.35	4.23	32%	32%	Yes	142.54	896.99	24.12	37.18
Mar-19	1.45	4.54	32%	32%	Yes	153.13	919.30	24.72	37.18
Apr-19	0.71	2.23	32%	32%	Yes	75.19	863.66	23.23	37.18
May-19	0.67	2.10	32%	32%	Yes	71.00	934.67	25.14	37.18
Jun-19	1.50	4.68	32%	32%	Yes	157.97	1,001.77	26.94	37.18
Jul-19	0.91	2.85	32%	32%	Yes	96.15	1,012.42	27.23	37.18
Aug-19	0.57	1.77	32%	32%	Yes	59.64	947.87	25.49	37.18
Sep-19	0.58	1.83	32%	32%	Yes	61.60	948.66	25.51	37.18
Oct-19	0.21	0.65	32%	32%	Yes	22.02	935.19	25.15	37.18
Nov-19	0.21	0.65	32%	32%	Yes	22.01	936.57	25.19	37.18
Dec-19	0.39	1.23	32%	32%	Yes	41.63	941.09	25.31	37.18
Jan-20	0.83	2.61	32%	32%	Yes	87.97	990.86	26.65	37.18
Feb-20	1.88	5.89	32%	32%	Yes	198.61	1,046.92	28.16	37.18
Mar-20	0.68	2.12	32%	32%	Yes	71.50	965.29	25.96	37.18
Apr-20	-	-	0%	32%	Yes	-	890.10	23.94	37.18
May-20	0.41	1.29	32%	32%	Yes	43.39	862.49	23.20	37.18
Jun-20	0.53	1.66	32%	32%	Yes	55.98	760.50	20.45	37.18
Jul-20	0.63	1.97	32%	32%	Yes	66.57	730.92	19.66	37.18
Aug-20	0.07	0.23	32%	32%	Yes	7.89	679.18	18.27	37.18
Sep-20	0.10	0.32	32%	32%	Yes	10.85	628.43	16.90	37.18
Oct-20	0.09	0.27	32%	32%	Yes	9.07	615.47	16.55	37.18
Nov-20	0.35	1.11	32%	32%	Yes	37.35	630.81	16.96	37.18
Dec-20	0.36	1.13	32%	32%	Yes	38.21	627.39	16.87	37.18
Jan-21	0.32	0.99	32%	32%	Yes	33.50	572.91	15.41	37.18
Feb-21	0.22	0.69	32%	32%	Yes	23.38	397.68	10.70	37.18

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2022

35%

Month	Production Resin								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month Rolling M <sub>R</sub> X PV <sub>R</sub> (kg/Mg)	12-month M <sub>R</sub> (Mg)	12-month Rolling PV <sub>R</sub> (kg/Mg)
Mar-21	0.75	2.34	32%	32%	Yes	78.93	405.11	10.90	37.18
Apr-21	0.03	0.10	32%	32%	Yes	3.34	408.45	10.98	37.18
May-21	0.36	1.13	32%	32%	Yes	37.95	403.01	10.84	37.18
Jun-21	0.41	1.30	32%	32%	Yes	43.72	390.74	10.51	37.18
Jul-21	-	-	0%	32%	Yes	-	324.17	8.72	37.18
Aug-21	-	-	0%	32%	Yes	-	316.28	8.51	37.18
Sep-21	-	-	0%	32%	Yes	-	305.43	8.21	37.18
Oct-21	-	-	0%	32%	Yes	-	296.36	7.97	37.18
Nov-21	-	-	0%	32%	Yes	-	259.01	6.97	37.18
Dec-21	-	-	0%	32%	Yes	-	220.81	5.94	37.18
Jan-22	0.45	1.40	32%	32%	Yes	47.17	234.49	6.31	37.18
Feb-22	2.61	8.15	32%	32%	Yes	274.95	486.06	13.07	37.18
Mar-22	4.03	12.58	32%	32%	Yes	424.50	831.62	22.37	37.18
Apr-22	-	-	0%	32%	Yes	-	828.29	22.28	37.18
May-22	4.90	15.32	32%	32%	Yes	516.77	1,307.11	35.15	37.18
Jun-22	3.54	11.08	32%	32%	Yes	373.60	1,636.99	44.03	37.18
Jul-22	3.65	11.41	32%	32%	Yes	385.02	2,022.00	54.38	37.18
Aug-22	-	-	0%	32%	Yes	-	2,022.00	54.38	37.18
Sep-22	-	-	-	-	-	-	--	-	--
Oct-22	-	-	-	-	-	-	--	-	--
Nov-22	-	-	-	-	-	-	--	-	--
Dec-22	-	-	0%	32%	Yes	-	2,022.00	54.38	37.18

Open molding spray layup booths with handheld mechanical applicators for the production of fiberglass boats and other plastic parts. Applicators are non-atomized. Maximum HAP Content of the materials is 32%.

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

35%

Production Resin									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<35%)	Monthly $M_R \times PV_R$ (kg/Mg)	12-month Rolling $M_R \times PV_R$ (kg/Mg)	12-month $M_R$ (Mg)	12-month Rolling $PV_R$ (kg/Mg)

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month Rolling M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month M <sub>PG</sub> (Mg)	12-month Rolling PV <sub>PG</sub> (kg/Mg)
Jan-17	-	-	0%	--	--	-	-	-	-
Feb-17	-	-	0%	--	--	-	-	-	-
Mar-17	-	-	0%	--	--	-	-	-	-
Apr-17	-	-	0%	--	--	-	-	-	-
May-17	0.17	0.50	35%	35%	See Total	76.82	76.82	0.45	168.84
Jun-17	0.23	0.67	35%	35%	See Total	103.38	180.20	1.07	169.01
Jul-17	0.04	0.12	36%	35%	See Total	19.96	200.16	1.18	170.01
Aug-17	0.14	0.40	34%	35%	See Total	59.76	259.92	1.54	169.26
Sep-17	0.02	0.04	35%	35%	See Total	6.77	266.69	1.58	169.31
Oct-17	-	-	0%	35%	See Total	-	266.69	1.58	169.31
Nov-17	0.04	0.12	34%	35%	See Total	18.35	285.04	1.69	169.15
Dec-17	0.32	0.91	35%	35%	See Total	141.54	426.58	2.51	169.78
Jan-18	0.35	0.99	35%	35%	See Total	154.59	581.16	3.41	170.40
Feb-18	0.35	0.99	35%	35%	See Total	154.59	735.75	4.31	170.76
Mar-18	0.35	0.99	35%	35%	See Total	154.59	890.34	5.21	170.99
Apr-18	0.35	0.99	35%	35%	See Total	154.59	1,044.93	6.11	171.16
May-18	-	-	0%	35%	See Total	-	968.12	5.65	171.35
Jun-18	0.30	0.83	37%	35%	See Total	139.33	1,004.06	5.79	173.36
Jul-18	0.26	0.72	37%	35%	See Total	120.39	1,104.49	6.33	174.49
Aug-18	0.50	1.37	36%	36%	See Total	227.67	1,272.40	7.21	176.44
Sep-18	0.44	1.23	36%	36%	See Total	201.34	1,466.97	8.29	177.01
Oct-18	0.45	1.18	38%	36%	See Total	214.23	1,681.20	9.36	179.69
Nov-18	0.03	0.08	37%	36%	See Total	13.15	1,676.00	9.32	179.90
Dec-18	0.01	0.02	-	-	-	3.46	--	-	--
Jan-19	0.34	0.96	36%	36%	See Total	154.71	1,538.05	8.48	181.27

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2022

33%

Month	Pigmented Gel Coat								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month Rolling $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month $M_{PG}$ (Mg)	12-month Rolling $PV_{PG}$ (kg/Mg)
Feb-19	0.21	0.59	35%	36%	See Total	93.90	1,477.35	8.12	181.86
Mar-19	0.26	0.72	36%	36%	See Total	115.03	1,437.80	7.88	182.54
Apr-19	0.10	0.27	37%	36%	See Total	46.40	1,329.60	7.23	184.00
May-19	0.26	0.71	36%	36%	See Total	117.93	1,447.53	7.87	183.96
Jun-19	0.33	0.95	35%	36%	See Total	148.39	1,456.59	7.98	182.61
Jul-19	0.47	1.27	37%	36%	See Total	218.96	1,555.16	8.48	183.49
Aug-19	0.63	1.68	37%	37%	See Total	292.48	1,619.97	8.76	184.87
Sep-19	0.39	1.05	38%	37%	See Total	183.53	1,602.16	8.60	186.35
Oct-19	0.22	0.59	37%	36%	See Total	98.86	1,486.79	8.06	184.41
Nov-19	0.07	0.19	37%	36%	See Total	31.58	1,505.22	8.16	184.41
Dec-19	0.22	0.61	37%	37%	See Total	102.47	1,604.23	8.70	184.48
Jan-20	0.2321	0.65	36%	37%	See Total	105.03	1,554.55	8.41	184.01
Feb-20	1.0970	3.08	36%	36%	See Total	494.17	1,954.82	10.67	184.11
Mar-20	0.1646	0.46	36%	36%	See Total	74.43	1,914.22	10.43	184.17
Apr-20	-	-	0%	36%	See Total	-	1,867.83	10.18	184.11
May-20	0.0628	0.17	37%	36%	See Total	29.05	1,778.95	9.70	184.06
Jun-20	0.2171	0.60	36%	37%	See Total	98.95	1,729.52	9.38	184.20
Jul-20	0.2317	0.63	37%	36%	See Total	106.88	1,617.44	8.80	184.22
Aug-20	0.2053	0.60	34%	36%	See Total	89.97	1,414.93	7.82	183.94
Sep-20	0.2543	0.72	35%	36%	See Total	113.90	1,345.30	7.52	183.39
Oct-20	0.0276	0.08	35%	36%	See Total	12.35	1,258.78	7.06	182.98
Nov-20	0.1535	0.43	35%	36%	See Total	68.85	1,296.05	7.28	182.52
Dec-20	0.4661	1.23	38%	36%	See Total	219.72	1,413.29	7.84	182.18
Jan-21	0.0637	0.19	34%	36%	See Total	27.72	1,335.98	7.43	179.84
Feb-21	0.0134	0.04	32%	36%	See Total	5.63	847.44	4.67	181.32

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month Rolling M <sub>PG</sub> X PV <sub>PG</sub> (kg/Mg)	12-month M <sub>PG</sub> (Mg)	12-month Rolling PV <sub>PG</sub> (kg/Mg)
Mar-21	0.1750	0.50	35%	36%	See Total	77.84	850.85	4.71	180.59
Apr-21	0.0019	0.01	32%	36%	See Total	0.80	851.65	4.72	180.55
May-21	0.0756	0.23	33%	36%	See Total	32.69	855.29	4.77	179.39
Jun-21	0.1116	0.32	35%	36%	See Total	49.75	806.09	4.51	178.62
Jul-21	0.9043	2.58	35%	35%	See Total	403.05	1,102.25	6.28	175.48
Aug-21	0.2477	0.77	32%	35%	See Total	103.73	1,116.02	6.44	173.35
Sep-21	0.3043	0.95	32%	35%	See Total	127.46	1,129.57	6.65	169.92
Oct-21	0.4858	1.45	33%	35%	See Total	209.79	1,327.02	7.90	168.07
Nov-21	0.6737	2.01	34%	34%	See Total	291.73	1,549.90	9.32	166.25
Dec-21	0.7302	2.17	34%	34%	See Total	316.47	1,646.66	10.18	161.77
Jan-22	0.08	0.25	32%	34%	See Total	33.51	1,652.45	10.23	161.46
Feb-22	0.43	1.26	34%	34%	See Total	187.69	1,834.51	11.34	161.75
Mar-22	0.44	1.31	33%	34%	See Total	189.15	1,945.83	12.08	161.14
Apr-22	0.70	2.09	34%	34%	See Total	304.52	2,249.54	13.96	161.12
May-22	0.95	2.76	34%	34%	See Total	419.39	2,636.24	16.26	162.13
Jun-22	0.63	1.85	34%	34%	See Total	273.82	2,860.31	17.65	162.10
Jul-22	0.35	1.03	34%	34%	See Total	150.58	2,607.85	16.24	160.60
Aug-22	0.39	1.11	35%	34%	See Total	174.89	2,679.00	16.54	161.98
Sep-22	-	-	-	-	-	-	--	-	--
Oct-22	-	-	-	-	-	-	--	-	--
Nov-22	-	-	-	-	-	-	--	-	--
Dec-22	-	-	0%	34%	See Total	-	1,733.55	10.56	164.10

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 39.9%.

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

33%

Pigmented Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<33%)	Monthly $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month Rolling $M_{PG} \times PV_{PG}$ (kg/Mg)	12-month $M_{PG}$ (Mg)	12-month Rolling $PV_{PG}$ (kg/Mg)

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month Rolling M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month M <sub>CG</sub> (Mg)	12-month Rolling PV <sub>CG</sub> (kg/Mg)
Jan-17	-	-	0%	--	--	-	-	-	-
Feb-17	-	-	0%	--	--	-	-	-	-
Mar-17	-	-	0%	--	--	-	-	-	-
Apr-17	-	-	0%	--	--	-	-	-	-
May-17	0.14	0.35	41%	41%	Yes	70.30	70.30	0.31	224.61
Jun-17	0.17	0.43	41%	41%	Yes	86.70	157.00	0.70	224.61
Jul-17	0.02	0.05	41%	41%	Yes	9.37	166.37	0.74	224.61
Aug-17	0.16	0.40	41%	41%	Yes	81.40	247.78	1.10	224.61
Sep-17	0.00	0.01	41%	41%	Yes	2.34	250.12	1.11	224.61
Oct-17	-	-	0%	41%	Yes	-	250.12	1.11	224.61
Nov-17	0.00	0.01	41%	41%	Yes	2.34	252.46	1.12	224.61
Dec-17	-	-	0%	41%	Yes	-	252.46	1.12	224.61
Jan-18	-	-	0%	41%	Yes	-	252.46	1.12	224.61
Feb-18	-	-	0%	41%	Yes	-	252.46	1.12	224.61
Mar-18	-	-	0%	41%	Yes	-	252.46	1.12	224.61
Apr-18	-	-	0%	41%	Yes	-	252.46	1.12	224.61
May-18	-	-	0%	41%	Yes	-	182.17	0.81	224.61
Jun-18	0.06	0.14	41%	41%	Yes	28.12	123.58	0.55	224.61
Jul-18	0.04	0.09	41%	41%	Yes	18.64	132.85	0.59	224.61
Aug-18	0.10	0.24	41%	41%	Yes	49.21	100.66	0.45	224.61
Sep-18	0.09	0.21	41%	41%	Yes	42.18	140.50	0.63	224.61
Oct-18	0.03	0.08	41%	41%	Yes	16.40	156.90	0.70	224.61
Nov-18	0.01	0.02	41%	41%	Yes	3.11	157.66	0.70	224.61
Dec-18	-	-	-	-	-	-	--	-	--
Jan-19	-	-	0%	41%	Yes	-	157.66	0.70	224.61



**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month Rolling M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month M <sub>CG</sub> (Mg)	12-month Rolling PV <sub>CG</sub> (kg/Mg)
Feb-19	0.06	0.14	41%	41%	Yes	28.12	185.78	0.83	224.61
Mar-19	0.07	0.16	41%	41%	Yes	32.81	218.59	0.97	224.61
Apr-19	0.07	0.17	41%	41%	Yes	34.64	253.23	1.13	224.61
May-19	0.09	0.21	41%	41%	Yes	42.18	295.41	1.32	224.61
Jun-19	0.10	0.24	41%	41%	Yes	49.21	316.50	1.41	224.61
Jul-19	0.08	0.18	41%	41%	Yes	37.29	335.14	1.49	224.61
Aug-19	-	-	0%	41%	Yes	-	285.93	1.27	224.61
Sep-19	0.01	0.02	41%	41%	Yes	3.11	246.86	1.10	224.61
Oct-19	0.05	0.13	41%	41%	Yes	25.78	256.23	1.14	224.61
Nov-19	-	-	0%	41%	Yes	-	253.13	1.13	224.61
Dec-19	0.07	0.16	41%	41%	Yes	32.81	285.93	1.27	224.61
Jan-20	0.05	0.13	41%	41%	Yes	25.78	311.71	1.39	224.61
Feb-20	0.11	0.27	41%	41%	Yes	55.93	339.52	1.51	224.61
Mar-20	0.26	0.64	41%	41%	Yes	130.66	437.38	1.95	224.61
Apr-20	-	-	0%	41%	Yes	-	402.74	1.79	224.61
May-20	0.04	0.09	41%	41%	Yes	18.75	379.30	1.69	224.61
Jun-20	0.04	0.09	41%	41%	Yes	18.75	348.84	1.55	224.61
Jul-20	0.08	0.18	41%	41%	Yes	37.49	349.04	1.55	224.61
Aug-20	0.03	0.07	41%	41%	Yes	14.06	363.10	1.62	224.61
Sep-20	-	-	0%	41%	Yes	-	360.00	1.60	224.61
Oct-20	-	-	0%	41%	Yes	-	334.22	1.49	224.61
Nov-20	-	-	0%	41%	Yes	-	334.22	1.49	224.61
Dec-20	-	-	0%	41%	Yes	-	301.41	1.34	224.61
Jan-21	0.03	0.08	41%	41%	Yes	16.40	292.04	1.30	224.61
Feb-21	0.03	0.08	41%	41%	Yes	16.40	252.51	1.12	224.61

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month Rolling M <sub>CG</sub> X PV <sub>CG</sub> (kg/Mg)	12-month M <sub>CG</sub> (Mg)	12-month Rolling PV <sub>CG</sub> (kg/Mg)
Mar-21	0.05	0.12	41%	41%	Yes	23.43	145.28	0.65	224.61
Apr-21	0.00	0.01	41%	41%	Yes	2.34	147.63	0.66	224.61
May-21	0.02	0.06	41%	41%	Yes	11.72	140.60	0.63	224.61
Jun-21	0.02	0.05	41%	41%	Yes	9.37	131.22	0.58	224.61
Jul-21	-	-	0%	41%	Yes	-	93.73	0.42	224.61
Aug-21	0.87	2.12	41%	41%	Yes	431.47	511.14	2.28	224.61
Sep-21	0.71	1.73	41%	41%	Yes	352.92	864.06	3.85	224.61
Oct-21	0.51	1.24	41%	41%	Yes	252.16	1,116.22	4.97	224.61
Nov-21	1.01	2.47	41%	41%	Yes	502.48	1,618.71	7.21	224.61
Dec-21	0.49	1.20	41%	41%	Yes	244.52	1,863.23	8.30	224.61
Jan-22	0.56	1.36	41%	41%	Yes	276.71	2,123.54	9.45	224.61
Feb-22	0.58	1.40	41%	41%	Yes	285.78	2,392.91	10.65	224.61
Mar-22	0.83	2.02	41%	41%	Yes	410.89	2,780.37	12.38	224.61
Apr-22	0.65	1.58	41%	41%	Yes	320.93	3,098.96	13.80	224.61
May-22	0.28	0.68	41%	41%	Yes	137.54	3,224.78	14.36	224.61
Jun-22	0.64	1.55	41%	41%	Yes	316.55	3,531.96	15.72	224.61
Jul-22	0.46	1.13	41%	41%	Yes	229.24	3,761.19	16.75	224.61
Aug-22	0.99	2.41	41%	41%	Yes	490.36	3,820.08	17.01	224.61
Sep-22	-	-	-	-	-	-	--	-	--
Oct-22	-	-	-	-	-	-	--	-	--
Nov-22	-	-	-	-	-	-	--	-	--
Dec-22	-	-	0%	41%	Yes	-	2,468.00	10.99	224.61

Spray booths equipped with handheld mechanical spray applicators for the application of gelcoat materials and a shared drying area with a natural gas-fired tube dryer. Applicators are non-atomized. Maximum HAP Content of the materials is 41.1%.

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2022

48%

Clear Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<48%)	Monthly $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month Rolling $M_{CG} \times PV_{CG}$ (kg/Mg)	12-month $M_{CG}$ (Mg)	12-month Rolling $PV_{CG}$ (kg/Mg)

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

40%

Tooling Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)
Jan-17	-	-	-	--	--	-	-	-	-
Feb-17	-	-	-	--	--	-	-	-	-
Mar-17	-	-	-	--	--	-	-	-	-
Apr-17	-	-	-	--	--	-	-	-	-
May-17	-	-	-	--	--	-	-	-	-
Jun-17	-	-	-	--	--	-	-	-	-
Jul-17	-	-	-	--	--	-	-	-	-
Aug-17	-	-	-	--	--	-	-	-	-
Sep-17	-	-	-	--	--	-	-	-	-
Oct-17	-	-	-	--	--	-	-	-	-
Nov-17	-	-	-	--	--	-	-	-	-
Dec-17	-	-	-	--	--	-	-	-	-
Jan-18	-	-	-	--	--	-	-	-	-
Feb-18	-	-	-	--	--	-	-	-	-
Mar-18	-	-	-	--	--	-	-	-	-
Apr-18	-	-	-	--	--	-	-	-	-
May-18	-	-	-	--	--	-	-	-	-
Jun-18	-	-	-	--	--	-	-	-	-
Jul-18	-	-	-	--	--	-	-	-	-
Aug-18	-	-	-	--	--	-	-	-	-
Sep-18	-	-	-	--	--	-	-	-	-
Oct-18	-	-	-	--	--	-	-	-	-
Nov-18	-	-	-	--	--	-	-	-	-
Dec-18	-	-	-	--	-	-	--	-	--
Jan-19	-	-	-	--	--	-	-	-	-

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

40%

Month	Tooling Gel Coat								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)
Feb-19	-	-	-	--	--	-	-	-	-
Mar-19	-	-	-	--	--	-	-	-	-
Apr-19	-	-	-	--	--	-	-	-	-
May-19	-	-	-	--	--	-	-	-	-
Jun-19	-	-	-	--	--	-	-	-	-
Jul-19	-	-	-	--	--	-	-	-	-
Aug-19	-	-	-	--	--	-	-	-	-
Sep-19	-	-	-	--	--	-	-	-	-
Oct-19	-	-	-	--	--	-	-	-	-
Nov-19	-	-	-	--	--	-	-	-	-
Dec-19	-	-	-	--	--	-	-	-	-
Jan-20	-	-	-	--	--	-	-	-	-
Feb-20	-	-	-	--	--	-	-	-	-
Mar-20	-	-	-	--	--	-	-	-	-
Apr-20	-	-	-	--	--	-	-	-	-
May-20	-	-	-	--	--	-	-	-	-
Jun-20	-	-	-	--	--	-	-	-	-
Jul-20	-	-	-	--	--	-	-	-	-
Aug-20	-	-	-	--	--	-	-	-	-
Sep-20	-	-	-	--	--	-	-	-	-
Oct-20	-	-	-	--	--	-	-	-	-
Nov-20	-	-	-	--	--	-	-	-	-
Dec-20	-	-	-	--	--	-	-	-	-
Jan-21	-	-	-	--	--	-	-	-	-
Feb-21	-	-	-	--	--	-	-	-	-

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

40%

Month	Tooling Gel Coat								
	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)
Mar-21	-	-	-	--	--	-	-	-	-
Apr-21	-	-	-	--	--	-	-	-	-
May-21	-	-	-	--	--	-	-	-	-
Jun-21	-	-	-	--	--	-	-	-	-
Jul-21	-	-	-	--	--	-	-	-	-
Aug-21	-	-	-	--	--	-	-	-	-
Sep-21	-	-	-	--	--	-	-	-	-
Oct-21	-	-	-	--	--	-	-	-	-
Nov-21	-	-	-	--	--	-	-	-	-
Dec-21	-	-	-	--	--	-	-	-	-
Jan-22	-	-	-	--	--	-	-	-	-
Feb-22	-	-	-	--	--	-	-	-	-
Mar-22	-	-	-	--	--	-	-	-	-
Apr-22	-	-	-	--	--	-	-	-	-
May-22	-	-	-	--	--	-	-	-	-
Jun-22	-	-	-	--	--	-	-	-	-
Jul-22	-	-	-	--	--	-	-	-	-
Aug-22	-	-	-	--	--	-	-	-	-
Sep-22	-	-	-	--	-	-	--	-	--
Oct-22	-	-	-	--	-	-	--	-	--
Nov-22	-	-	-	--	-	-	--	-	--
Dec-22	-	-	-	--	--	-	-	-	-

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

40%

Tooling Gel Coat									
Month	HAP Material Content (ton)	Material Usage (ton)	Organic HAP Content (%)	12-mo rolling Average (%)	In compliance (<40%)	Monthly $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month Rolling $M_{TG} \times PV_{TG}$ (kg/Mg)	12-month $M_{TG}$ (Mg)	12-month Rolling $PV_{TG}$ (kg/Mg)

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2020

Month	Total Organic HAP Emissions				
	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)
Jan-17	-	-	-	-	-
Feb-17	-	-	-	-	-
Mar-17	-	-	-	-	-
Apr-17	-	-	-	-	-
May-17	110.95	147.11	-	258.07	258.07
Jun-17	149.63	190.08	-	339.71	597.78
Jul-17	27.42	29.33	-	56.75	654.53
Aug-17	78.67	141.16	-	219.83	874.36
Sep-17	10.53	9.12	-	19.64	894.00
Oct-17	-	-	-	-	894.00
Nov-17	18.46	20.69	-	39.16	933.16
Dec-17	29.52	141.54	-	171.06	1,104.22
Jan-18	130.82	154.59	-	285.41	1,389.63
Feb-18	130.82	154.59	-	285.41	1,675.04
Mar-18	130.82	154.59	-	285.41	1,960.45
Apr-18	130.82	154.59	-	285.41	2,245.86
May-18	-	-	-	-	1,987.80
Jun-18	90.87	167.44	-	258.31	1,906.39
Jul-18	85.50	139.03	-	224.53	2,074.18
Aug-18	124.18	276.87	-	401.06	2,255.40
Sep-18	60.81	243.52	-	304.33	2,540.09
Oct-18	35.49	230.64	-	266.13	2,806.22
Nov-18	20.63	16.25	-	36.88	2,803.94
Dec-18	37.10	3.46	-	40.57	-
Jan-19	38.21	154.71	-	192.92	2,580.96



**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2020

Month	Total Organic HAP Emissions				
	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)
Feb-19	142.54	122.02	-	264.56	2,560.10
Mar-19	153.13	147.84	-	300.97	2,575.66
Apr-19	75.19	81.03	-	156.22	2,446.47
May-19	71.00	160.10	-	231.11	2,677.58
Jun-19	157.97	197.59	-	355.56	2,774.83
Jul-19	96.15	256.25	-	352.40	2,902.69
Aug-19	59.64	292.47	-	352.11	2,853.75
Sep-19	61.60	186.63	-	248.23	2,797.65
Oct-19	22.02	124.64	-	146.66	2,678.18
Nov-19	22.01	31.58	-	53.59	2,694.89
Dec-19	41.63	135.28	-	176.91	2,831.23
Jan-20	87.9734	130.8041	-	218.78	2,857.08
Feb-20	198.6043	550.0989	-	748.70	3,341.23
Mar-20	71.4973	205.0892	-	276.59	3,316.85
Apr-20	-	-	-	-	3,160.63
May-20	43.3939	47.7985	-	91.19	3,020.71
Jun-20	55.9810	117.6978	-	173.68	2,838.83
Jul-20	66.5691	144.3742	-	210.94	2,697.37
Aug-20	7.8932	104.0269	-	111.92	2,457.18
Sep-20	10.8481	113.8988	-	124.75	2,333.70
Oct-20	9.0670	12.3450	-	21.41	2,208.45
Nov-20	37.3475	68.8444	-	106.19	2,261.06
Dec-20	38.206	219.713	-	257.92	2,342.07
Jan-21	33.4954	44.1216	-	77.62	2,200.91
Feb-21	23.3759	22.0319	-	45.41	1,497.62

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year

2020

Month	Total Organic HAP Emissions				
	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)
Mar-21	78.9317	101.2710	-	180.20	1,401.23
Apr-21	3.3394	3.1474	-	6.49	1,407.72
May-21	37.9479	44.4060	-	82.35	1,398.88
Jun-21	43.7160	59.1209	-	102.84	1,328.04
Jul-21	-	403.0430	-	403.04	1,520.14
Aug-21	-	535.2012	-	535.20	1,943.42
Sep-21	-	480.3726	-	480.37	2,299.04
Oct-21	-	461.9460	-	461.95	2,739.58
Nov-21	-	794.2069	-	794.21	3,427.59
Dec-21	-	560.985	-	560.98	3,730.66
Jan-22	47.17	310.22	-	357.39	4,010.43
Feb-22	274.95	473.47	-	748.41	4,713.44
Mar-22	424.49	600.04	-	1,024.53	5,557.77
Apr-22	-	625.44	-	625.44	6,176.72
May-22	516.77	556.92	-	1,073.69	7,168.06
Jun-22	373.59	590.37	-	963.96	8,029.18
Jul-22	385.01	379.81	-	764.82	8,390.96
Aug-22	-	665.24	-	665.24	8,521.00
Sep-22	-	-	-	-	-
Oct-22	-	-	-	-	-
Nov-22	-	-	-	-	-
Dec-22	-	-	-	-	6,223.49

**MACT VVVV Compliance Summary & Implementation Plan**

Great Lakes Composites, LLC (SRN: N2430)

Year 2020

Total Organic HAP Emissions					
Month	FGOPENMOLDING HAP (kg)	EUGELCOAT HAP (kg)	EUCLEANUP HAP (kg)	Total HAPs (kg)	12-mo rolling HAP Emissions (kg)

$$HAP \text{ emissions} = [(PV_R)(M_R) + (PV_{PG})(M_{PG}) + (PV_{CG})(M_{CG}) + (PV_{TR})$$

$$HAP \text{ Limit} = [46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})]$$

$M_R$  = mass of production resin used in past 12 months, megagrams

$M_{PG}$  = mass of pigmented gel coat in past 12 months, megagrams

$M_{CG}$  = mass of clear gel coat in past 12 months, megagrams

$M_{TR}$  = mass of tooling resin in past 12 months, megagrams

$M_{TG}$  = mass of tooling gel coat in past 12 months, megagrams

HAP Limit = total allowable organic HAP that can be emitted from the open r

Month	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?
Jan-17	-	-	Yes
Feb-17	-	-	Yes
Mar-17	-	-	Yes
Apr-17	-	-	Yes
May-17	258.07	300.68	Yes
Jun-17	597.79	695.30	Yes
Jul-17	654.53	759.04	Yes
Aug-17	874.37	1,018.80	Yes
Sep-17	894.01	1,041.13	Yes
Oct-17	894.01	1,041.13	Yes
Nov-17	933.17	1,084.50	Yes
Dec-17	1,104.23	1,252.59	Yes
Jan-18	1,389.64	1,557.24	Yes
Feb-18	1,675.06	1,861.89	Yes
Mar-18	1,960.47	2,166.53	Yes
Apr-18	2,245.89	2,471.18	Yes
May-18	1,987.82	2,170.50	Yes
Jun-18	1,906.41	2,044.44	Yes
Jul-18	2,074.20	2,213.84	Yes
Aug-18	2,255.43	2,368.65	Yes
Sep-18	2,540.11	2,653.57	Yes
Oct-18	2,806.25	2,888.61	Yes
Nov-18	2,803.97	2,885.96	Yes
Dec-18	--	--	-
Jan-19	2,580.98	2,648.57	Yes

Month	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?
Feb-19	2,560.13	2,642.06	Yes
Mar-19	2,575.69	2,672.89	Yes
Apr-19	2,446.49	2,545.51	Yes
May-19	2,677.60	2,790.13	Yes
Jun-19	2,774.86	2,917.60	Yes
Jul-19	2,902.72	3,034.26	Yes
Aug-19	2,853.78	2,936.35	Yes
Sep-19	2,797.68	2,860.42	Yes
Oct-19	2,678.21	2,770.83	Yes
Nov-19	2,694.91	2,784.38	Yes
Dec-19	2,831.26	2,917.32	Yes
Jan-20	2,849.98	2,966.71	Yes
Feb-20	3,350.07	3,430.85	Yes
Mar-20	3,323.77	3,419.38	Yes
Apr-20	3,167.72	3,242.11	Yes
May-20	3,026.37	3,099.99	Yes
Jun-20	2,836.80	2,883.90	Yes
Jul-20	2,701.22	2,755.73	Yes
Aug-20	2,480.45	2,553.84	Yes
Sep-20	2,367.77	2,439.74	Yes
Oct-20	2,241.29	2,316.76	Yes
Nov-20	2,294.31	2,371.36	Yes
Dec-20	2,357.95	2,413.94	Yes
Jan-21	2,200.93	2,268.30	Yes
Feb-21	1,497.63	1,562.25	Yes

Month	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?
Mar-21	1,401.25	1,438.52	Yes
Apr-21	1,407.73	1,446.55	Yes
May-21	1,398.89	1,438.79	Yes
Jun-21	1,328.05	1,370.93	Yes
Jul-21	1,520.15	1,521.23	Yes
Aug-21	1,943.44	2,077.11	Yes
Sep-21	2,299.07	2,554.29	Yes
Oct-21	2,739.61	3,068.17	Yes
Nov-21	3,427.63	3,899.93	Yes
Dec-21	3,730.70	4,305.57	Yes
Jan-22	4,010.47	4,668.54	Yes
Feb-22	4,713.49	5,504.81	Yes
Mar-22	5,557.82	6,550.99	Yes
Apr-22	6,176.78	7,259.49	Yes
May-22	7,168.13	8,380.31	Yes
Jun-22	8,029.26	9,406.63	Yes
Jul-22	8,391.04	9,956.29	Yes
Aug-22	8,521.09	10,080.32	Yes
Sep-22	--	--	-
Oct-22	--	--	-
Nov-22	--	--	-
Dec-22	6,223.55	7,378.63	Yes

Month	<a href="#">VVVV Eq. 1 HAP Emissions (kg/12-mo rolling)</a>	VVVV HAP Limit (kg)	In Compliance?

$$] (M_{TR}) + (PV_{TG})(M_{TG}] \quad (Eq. 1)$$

$$] \quad (Eq. 1)$$

**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2022

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Limit (lb/ton)
	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	Emission Limit (lb/ton)	12 month Rolling Usage (tons)	
Jan-21	113.00	5.67	88.00	31.66	267.00	3.41	377.00	31.18	522.00	8.46	255.35
Feb-21	113.00	5.67	88.00	37.11	267.00	4.24	377.00	29.72	522.00	7.79	240.27
Mar-21	113.00	5.26	88.00	47.33	267.00	4.72	377.00	31.65	522.00	9.51	232.72
Apr-21	113.00	4.78	88.00	54.63	267.00	6.66	377.00	34.29	522.00	9.83	228.54
May-21	113.00	4.32	88.00	60.18	267.00	7.73	377.00	39.30	522.00	10.42	230.45
Jun-21	113.00	3.49	88.00	62.84	267.00	11.09	377.00	43.43	522.00	13.54	240.54
Jul-21	113.00	2.67	88.00	69.34	267.00	13.40	377.00	43.02	522.00	13.02	233.27
Aug-21	113.00	3.34	88.00	81.75	267.00	13.84	377.00	46.05	522.00	14.05	226.14
Sep-21	113.00	2.53	88.00	88.10	267.00	15.63	377.00	47.10	522.00	15.79	225.89
Oct-21	113.00	2.22	88.00	93.69	267.00	16.26	377.00	46.07	522.00	16.56	222.25
Nov-21	113.00	2.07	88.00	99.56	267.00	19.59	377.00	49.97	522.00	19.02	226.03
Dec-21	113.00	1.50	88.00	109.41	267.00	23.87	377.00	55.76	522.00	19.22	225.15
Jan-22	113.00	1.50	88.00	105.22	267.00	22.55	377.00	53.13	522.00	19.35	225.92
Feb-22	113.00	1.50	88.00	93.17	267.00	21.27	377.00	50.44	522.00	17.41	231.53
Mar-22	113.00	1.50	88.00	76.62	267.00	21.18	377.00	47.90	522.00	15.05	232.80
Apr-22	113.00	1.50	88.00	69.37	267.00	20.28	377.00	45.79	522.00	14.73	234.53
May-22	113.00	1.50	88.00	58.46	267.00	20.91	377.00	41.19	522.00	14.36	238.04
Jun-22	113.00	1.50	88.00	49.98	267.00	18.43	377.00	35.78	522.00	10.79	233.42
Jul-22	113.00	1.50	88.00	43.56	267.00	16.47	377.00	33.53	522.00	10.79	238.28
Aug-22	113.00	0.00	88.00	31.16	267.00	15.94	377.00	27.95	522.00	8.67	245.65
Sep-22	113.00	0.00	88.00	24.80	267.00	14.05	377.00	23.16	522.00	6.94	243.71
Oct-22	113.00	0.00	88.00	19.22	267.00	13.17	377.00	21.64	522.00	5.70	248.28
Nov-22	113.00	0.00	88.00	13.35	267.00	9.62	377.00	14.62	522.00	3.23	233.28
Dec-22	113.00	0.00	88.00	3.50	267.00	5.12	377.00	6.17	522.00	2.03	220.97



**MACT WWWW Compliance**  
 Great Lakes Composites, LLC (SRN: N2430)  
 Year 2022

Month	CR/HS Resin		Non CR/HS Resin		White/off white Pigmented Gel Coat		Pigmented Gel Coat		Clear Production Gel Coat		Facility Weighted Average Open Molding Emission Actual HAP Emission Factor (lb/ton)	In compliance (< Facility Weighted Average Emission Limit)
	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)	Actual HAP Emission Factor (lb/ton)	12 month Rolling Usage (tons)		
Jan-21	70.56	5.67	68.47	31.66	215.36	3.41	221.02	31.18	269.34	8.46	155.21	compliant
Feb-21	70.56	5.67	68.47	37.11	213.65	4.24	218.79	29.72	269.34	7.79	147.26	compliant
Mar-21	70.56	5.67	68.47	47.33	213.77	4.72	218.70	31.65	269.34	9.51	142.93	compliant
Apr-21	70.62	5.26	68.47	54.63	209.10	6.66	221.70	34.29	269.34	9.83	142.35	compliant
May-21	70.62	4.78	68.47	60.18	204.87	7.73	226.38	39.30	269.34	10.42	144.96	compliant
Jun-21	70.62	4.32	68.47	62.84	190.46	11.09	228.72	43.43	269.34	13.54	150.12	compliant
Jul-21	70.62	3.49	68.39	69.34	195.04	13.40	228.09	43.02	269.34	13.02	147.05	compliant
Aug-21	70.62	2.67	68.35	81.75	195.93	13.84	228.19	46.05	269.34	14.05	143.86	compliant
Sep-21	70.62	3.34	68.32	88.10	198.66	15.63	227.61	47.10	269.34	15.79	143.16	compliant
Oct-21	70.62	2.53	68.30	93.69	199.19	16.26	226.73	46.07	269.34	16.56	141.18	compliant
Nov-21	70.62	2.22	68.25	99.56	202.55	19.59	228.13	49.97	269.34	19.02	144.16	compliant
Dec-21	70.62	2.07	68.27	109.41	204.48	23.87	227.41	55.76	269.34	19.22	144.32	compliant
Jan-22	70.62	1.50	68.24	105.22	204.82	22.55	227.97	53.13	269.34	19.35	#VALUE!	#VALUE!
Feb-22	70.62	1.50	68.10	93.17	204.30	21.27	230.77	50.44	269.34	17.41	146.38	compliant
Mar-22	70.62	1.50	67.93	76.62	204.31	21.18	231.37	47.90	269.34	15.05	152.69	compliant
Apr-22	70.62	1.50	67.84	69.37	205.62	20.28	230.28	45.79	269.34	14.73	154.90	compliant
May-22	70.62	1.50	67.58	58.46	207.88	20.91	227.13	41.19	269.34	14.36	158.53	compliant
Jun-22	70.62	1.50	67.33	49.98	217.47	18.43	225.02	35.78	269.34	10.79	158.28	compliant
Jul-22	70.62	1.50	67.15	43.56	217.43	16.47	225.70	33.53	269.34	10.79	161.41	compliant
Aug-22	70.62	1.50	66.75	31.16	217.23	15.94	225.94	27.95	269.34	8.67	167.79	compliant
Sep-22	70.62	0.00	-	24.80	-	14.05	-	23.16	-	6.94	-	-
Oct-22	70.62	0.00	-	19.22	-	13.17	-	21.64	-	5.70	-	-
Nov-22	70.62	0.00	-	13.35	-	9.62	-	14.62	-	3.23	-	-
Dec-22	--	0.00	56.64	3.50	217.77	5.12	240.34	6.17	269.34	2.03	-	-

**12-Month Rolling Emissions Summary**  
 Owosso Composite, LLC, Owosso, MI  
 Year 2022

9/6/2022 29 1 12.9

Month/Year	FGGELCOAT			EUADHESIVEDISPING			EU COATINGLINE		
	VOC			VOC			VOC		
	ton/month	tons/12-mo rolling	In compliance (<29.0 tpy) <sup>1</sup>	tons/month	tons/12-mo rolling	In Compliance (<1 tpy) <sup>1</sup>	ton/month	tons/12-mo rolling	In compliance (<12.9 tpy)
Jan-19	0.68	10.20	Yes	-	0.00	Yes	-	-	--
Feb-19	0.88	10.23	Yes	0.00	0.00	Yes	-	-	--
Mar-19	0.70	10.11	Yes	0.00	0.00	Yes	-	-	--
Apr-19	0.66	9.93	Yes	0.00	0.00	Yes	-	-	--
May-19	0.56	9.61	Yes	0.00	0.00	Yes	-	-	--
Jun-19	0.48	9.19	Yes	0.00	0.00	Yes	-	-	--
Jul-19	0.47	8.83	Yes	0.00	0.01	Yes	-	-	--
Aug-19	0.63	8.36	Yes	0.00	0.01	Yes	-	-	--
Sep-19	0.36	7.77	Yes	0.00	0.01	Yes	-	-	--
Oct-19	0.71	7.59	Yes	0.00	0.01	Yes	-	-	--
Nov-19	0.44	7.36	Yes	0.00	0.01	Yes	-	-	--
Dec-19	0.48	7.05	Yes	0.00	0.01	Yes	-	-	--
Jan-20	0.87	7.24	Yes	0.00	0.01	Yes	-	-	--
Feb-20	1.53	7.89	Yes	0.00	0.01	Yes	-	-	--
Mar-20	0.58	7.78	Yes	0.00	0.01	Yes	-	-	--
Apr-20	0.04	7.16	Yes	-	0.01	Yes	-	-	--
May-20	0.28	6.89	Yes	0.00	0.01	Yes	-	-	--
Jun-20	0.50	6.91	Yes	0.00	0.00	Yes	-	-	--
Jul-20	0.55	6.99	Yes	0.00	0.00	Yes	-	-	--
Aug-20	0.59	6.95	Yes	0.00	0.00	Yes	-	-	--
Sep-20	0.57	7.16	Yes	0.00	0.00	Yes	-	-	--
Oct-20	0.45	6.90	Yes	0.00	0.00	Yes	-	-	--
Nov-20	0.42	6.87	Yes	-	0.00	Yes	-	-	--
Dec-20	0.68	7.08	Yes	-	0.00	Yes	-	-	--
Jan-21	0.72	6.92	Yes	0.00	0.00	Yes	0.28	-	Yes
Feb-21	0.91	6.29	Yes	0.00	0.00	Yes	0.75	1.03	Yes
Mar-21	1.09	6.81	Yes	0.00	0.00	Yes	-	1.03	--
Apr-21	0.70	7.46	Yes	0.00	0.00	Yes	0.27	1.29	Yes
May-21	1.23	8.41	Yes	-	0.00	Yes	-	1.29	--
Jun-21	1.89	9.80	Yes	0.00	0.00	Yes	-	1.29	--
Jul-21	0.89	10.14	Yes	-	0.00	Yes	-	1.29	--
Aug-21	1.56	11.12	Yes	0.00	0.00	Yes	-	1.29	--
Sep-21	1.51	12.06	Yes	0.00	0.00	Yes	-	1.29	--
Oct-21	0.87	12.48	Yes	0.00	0.00	Yes	-	1.29	--
Nov-21	2.38	14.44	Yes	0.00	0.00	Yes	-	1.29	--
Dec-21	2.27	16.03	Yes	-	0.00	Yes	-	1.29	--
Jan-22	0.43	15.74	Yes	1.50E-05	0.00	Yes	-	-	--
Feb-22	0.51	15.35	Yes	6.52E-06	0.00	Yes	-	1.01	--
Mar-22	0.79	15.04	Yes	3.56E-06	0.00	Yes	-	0.27	--
Apr-22	0.77	15.12	Yes	1.80E-05	0.00	Yes	0.01	0.28	Yes
May-22	1.05	14.93	Yes	3.25E-05	0.00	Yes	-	0.01	--
Jun-22	0.79	13.83	Yes	3.11E-06	0.00	Yes	-	0.01	--
Jul-22	0.43	13.36	Yes	1.78E-06	0.00	Yes	-	0.01	--
Aug-22	0.53	12.34	Yes	-	0.00	Yes	-	0.01	--
Sep-22	-	-	-	-	-	-	-	-	-
Oct-22	-	-	-	-	-	-	-	-	-
Nov-22	-	-	-	-	-	-	-	-	-
Dec-22	-	5.30	Yes	-	0.00	Yes	-	0.01	--

<sup>1</sup>VOC limitswere updated December 9, 2020 with PTI No. 129-16D.  
<sup>2</sup>Styrene limits for FGGELCOAT were removed with PTI No. 129-16D Issued December 9, 2020.

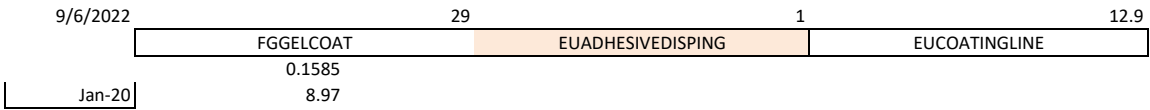
1/1/2022  
 Total VOCs 5.30  
 0.00  
 3.39  
 0.09303  
 0.02403



**12-Month Rolling Emissions Summary**

Owosso Composite, LLC, Owosso, MI

Year 2022



29

FGOPENMOLDING		
VOC		
ton/month	tons/12-mo rolling	In compliance (<29.0 tpy) <sup>1</sup>
0.39	4.58	Yes
0.43	4.55	Yes
0.42	4.60	Yes
0.42	4.66	Yes
0.33	4.55	Yes
0.36	4.39	Yes
0.37	4.40	Yes
0.32	4.34	Yes
0.35	4.35	Yes
0.23	4.23	Yes
0.20	4.14	Yes
0.29	4.11	Yes
0.34	4.06	Yes
0.45	4.08	Yes
0.34	4.00	Yes
0.03	3.61	Yes
0.28	3.55	Yes
0.33	3.52	Yes
0.06	3.21	Yes
0.06	2.94	Yes
0.06	2.65	Yes
0.02	2.44	Yes
0.01	2.26	Yes
0.04	2.01	Yes
0.43	2.10	Yes
0.50	2.14	Yes
0.80	2.60	Yes
0.32	2.89	Yes
0.53	3.14	Yes
0.50	3.31	Yes
0.38	3.63	Yes
0.64	4.21	Yes
0.43	4.58	Yes
0.34	4.90	Yes
0.34	5.23	Yes
0.39	5.58	Yes
0.23	5.39	Yes
0.44	5.33	Yes
0.63	5.15	Yes
0.31	5.15	Yes
0.74	5.36	Yes
0.61	5.47	Yes
0.44	5.53	Yes
0.00	4.89	Yes
-	-	-
-	-	-
-	-	-
-	3.39	Yes



FGOPENMOLDING



1						13			3		
EUCLEANUP						FGRTM/PRESS					
VOC			Acetone			VOC					
ton/month	tons/12-mo rolling	In compliance (<1.0 tpy)	ton/month	tons/12-mo rolling	In compliance (<13.0 tpy)	ton/month	lb/12-mo rolling	In Compliance (<3.0 tpy)			
-	-	--	0.52	6.66	Yes	-	-	-			
-	-	--	0.00	5.67	Yes	-	-	-			
-	-	--	0.16	4.86	Yes	-	-	-			
-	-	--	0.75	4.81	Yes	-	-	-			
-	-	--	0.15	4.05	Yes	-	-	-			
-	-	--	0.65	4.43	Yes	-	-	-			
-	-	--	0.59	4.89	Yes	-	-	-			
-	-	--	0.18	4.41	Yes	-	-	-			
-	-	--	0.43	4.21	Yes	-	-	-			
-	-	--	0.37	4.00	Yes	-	-	-			
-	-	--	0.18	3.99	Yes	-	-	-			
-	-	--	0.43	4.42	Yes	-	-	-			
-	-	--	0.29	4.19	Yes	-	-	-			
-	-	--	0.58	4.76	Yes	-	-	-			
-	-	--	0.61	5.21	Yes	-	-	-			
-	-	--	(0.07)	4.38	Yes	-	-	-			
-	-	--	0.47	4.70	Yes	-	-	-			
-	-	--	0.95	5.00	Yes	-	-	-			
-	-	--	0.97	5.37	Yes	-	-	-			
-	-	--	0.96	6.15	Yes	-	-	-			
-	-	--	2.16	7.87	Yes	-	-	-			
-	-	--	1.20	8.71	Yes	-	-	-			
-	-	--	0.44	8.96	Yes	-	-	-			
-	-	--	0.18	8.71	Yes	-	-	-			
-	-	--	0.59	9.02	Yes	0.04	0.04	Yes			
-	-	--	0.59	9.03	Yes	0.01	0.05	Yes			
-	-	--	1.43	9.85	Yes	0.01	0.06	Yes			
-	-	--	0.91	10.83	Yes	0.04	0.10	Yes			
-	-	--	0.12	10.48	Yes	0.02	0.12	Yes			
-	-	--	3.08	12.61	Yes	0.08	0.20	Yes			
0.60	0.60	Yes	(0.34)	11.30	Yes	0.00	0.20	Yes			
0.02	0.62	Yes	1.88	12.23	Yes	0.01	0.21	Yes			
0.01	0.62	Yes	0.98	11.05	Yes	0.05	0.26	Yes			
0.06	0.69	Yes	1.39	11.24	Yes	0.01	0.27	Yes			
0.07	0.76	Yes	0.53	11.34	Yes	0.00	0.27	Yes			
-	0.76	--	0.97	12.13	Yes	0.00	0.27	Yes			
0.02	0.78	Yes	(1.04)	10.50	Yes	0.02	0.25	Yes			
0.03	0.81	Yes	0.29	10.20	Yes	0.01	0.25	Yes			
-	0.81	--	(1.14)	7.64	Yes	0.05	0.29	Yes			
0.03	0.84	Yes	(1.14)	5.59	Yes	0.00	0.25	Yes			
0.04	0.88	Yes	(1.19)	4.29	Yes	0.00	0.23	Yes			
0.02	0.90	Yes	1.47	2.68	Yes	0.01	0.16	Yes			
0.03	0.93	Yes	(1.04)	1.98	Yes	0.06	0.22	Yes			
-	0.93	--	-	0.10	Yes	0.00	0.20	Yes			
-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-			
-	0.17	--	-	-3.78	Yes	-	0.15	Yes			

1 EUCLEANUP	13 FGRTM/PRESS	3
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1000			800			8000		
EUBLADES						EUFOAM		
VOC			Styrene			Material Usage		
lb/month	lbs/12-mo rolling	In Compliance (<1000 lb/yr)	lbs/month	lbs/12-mo rolling	In Compliance (<800 lb/yr)	lb/month	lb/12-mo rolling	In compliance (<8,000 lb/12-month)
38.69	428.75	Yes	37.65	417.32	Yes	19.50	1626.50	Yes
27.63	438.55	Yes	26.87	426.86	Yes	111.00	1689.50	Yes
12.30	435.66	Yes	11.99	424.13	Yes	169.50	1711.00	Yes
38.09	416.00	Yes	37.04	404.63	Yes	96.75	1623.75	Yes
14.70	405.16	Yes	13.94	393.52	Yes	68.25	1572.00	Yes
9.57	402.41	Yes	9.29	390.85	Yes	112.25	1638.25	Yes
15.30	391.85	Yes	14.88	380.69	Yes	61.00	1553.25	Yes
6.38	331.95	Yes	6.20	322.54	Yes	87.50	1265.75	Yes
20.40	312.39	Yes	19.85	303.52	Yes	49.50	1125.25	Yes
19.95	282.38	Yes	19.40	274.33	Yes	35.75	1011.00	Yes
18.98	251.40	Yes	18.45	244.20	Yes	37.55	848.55	Yes
9.21	231.20	Yes	8.96	224.53	Yes	37.75	886.30	Yes
33.10	225.61	Yes	32.20	219.08	Yes	50.00	916.80	Yes
14.96	212.94	Yes	14.55	206.76	Yes	116.00	921.80	Yes
-	200.63	Yes	-	194.76	Yes	40.00	792.30	Yes
-	162.54	Yes	-	157.72	Yes	10.00	705.55	Yes
-	147.84	Yes	-	143.78	Yes	30.00	667.30	Yes
-	138.27	Yes	-	134.48	Yes	28.00	583.05	Yes
-	122.97	Yes	-	119.60	Yes	43.00	565.05	Yes
-	116.59	Yes	-	113.41	Yes	-	477.55	--
-	96.19	Yes	-	93.56	Yes	-	428.05	--
-	76.24	Yes	-	74.16	Yes	-	392.30	--
-	57.26	Yes	-	55.71	Yes	-	354.75	--
-	48.05	Yes	-	46.75	Yes	-	317.00	--
-	14.96	Yes	-	14.55	Yes	2950.00	3217.00	Yes
-	-	Yes	-	-	Yes	-	3101.00	--
-	-	Yes	-	-	Yes	760.00	3821.00	Yes
-	-	Yes	-	-	Yes	-	3811.00	--
-	-	Yes	-	-	Yes	2050.00	5831.00	Yes
-	-	Yes	-	-	Yes	-	5803.00	--
-	-	Yes	-	-	Yes	-	5760.00	--
-	-	Yes	-	-	Yes	-	5760.00	--
-	-	Yes	-	-	Yes	200.00	5960.00	Yes
-	-	Yes	-	-	Yes	-	5960.00	--
-	-	Yes	-	-	Yes	-	5960.00	--
-	-	Yes	-	-	Yes	-	5960.00	--
-	-	Yes	-	-	Yes	-	5960.00	--
-	-	Yes	-	-	Yes	-	5960.00	--
-	-	Yes	-	-	Yes	551.00	3561.00	Yes
320.14	320.14	Yes	311.01	311.01	Yes	-	3561.00	--
320.14	640.28	Yes	311.01	622.02	Yes	551.00	3352.00	Yes
320.14	960.41	Yes	311.01	933.03	No	-	3352.00	--
320.14	1280.55	No	311.01	1244.05	No	-	1302.00	--
-	1280.55	No	-	1244.05	No	-	1302.00	--
-	1280.55	No	-	1244.05	No	551.00	1853.00	Yes
-	1280.55	No	-	1244.05	No	-	1853.00	--
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	1280.55	No	-	1244.05	No	-	1653.00	--





1000	800	8000
EUBLADES		EUFOAM

Coatings and Other Materials VOC and HAP Information

Owosso Composite, LLC, Owosso, MI

Limit = 5.0 lb/gal  
less water as applied

1	2	3	4			8	9	10	11	12	13	
Code #	Coating Material Name	Supplier	Type	Gelcoat/Resin Type	Notes	Specific Gravity	Density (lb/gal)	VOC Content wt%	VOC Content (w/water) (lb/gal)	VOC Content less exempt (lb/gal - exempt)	HAP Content wt%	HAP/Solids Content (lb HAP/lb Solid)
50911	905 TR Mold Prep Cleaner	TR Industries	Purge & Cleanup			0.83	6.92	100%	6.92		52%	#DIV/0!
553587	955 EZ Wipe II Semi Perm Release - Mold Release	TR Industries	Mold Release			0.73	6.05	99%	6.01		0%	0
40001	Acetone	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
40001Rec	Acetone Recycled	Univar	Purge & Cleanup			0.79	6.59	0%	-		0%	0
6637-R	Adhesive, Primer Pliogrip		Paint				7.20	67%	4.79		0%	0
640894	A-Gray Low VOC Gel Coat 8-1536-LNHN	Interplastic	Gelcoat	Pigmented Gelcoat		1.26	10.51	40%	4.20		40%	0.666666667
601920	AME 5001 C	Ashland	Resin	CR/HS Resin			9.00	35%	3.11		35%	0.528818224
615965	AOC H884-IVA-20	AOC, LLC	Resin	Non CR/HS Resin		1.10	9.17	32%	2.94		32%	0.470588235
106387	Armorcote Green 961GJ117	Polynt Composites	Gelcoat	Pigmented Gelcoat			10.43	35%	3.66		34%	0.525658807
661760	Armorflex HAP33 Sea Fox Green 99FWP646	Polynt Composites	Gelcoat	Pigmented Gelcoat			11.27	35%	3.97		34%	0.527777778
658562	ArmorFlex Mystic Green 953GP377	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.94	39%	3.86		39%	0.636125654
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	Polynt Composites	Gelcoat	Pigmented Gelcoat			9.72	34%	3.31		33%	0.500227307
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	Polynt Composites	Resin	CR/HS Resin		1.10	9.14	36%	3.31		35%	0.543287327
671003	Aropol L 67341 T-20 LSE	Ashland	Resin	CR/HS Resin			9.00	33%	2.93		33%	0.483215195



## er Materials TRI Compound Information

o Composite, LLC, Owosso, MI

1	2	
Code #	Coating Name	Emission Unit
50911	905 TR Mold Prep Cleaner	MOLDRELEASE
553587	955 EZ Wipe II Semi Perm Release - Mold Release	MOLDRELEASE
40001	Acetone	EUCLEANUP
40001Rec	Acetone	EUCLEANUP
6637-R	Adhesive, Primer Pliogrip	EUCOATINGLINE
640894	A-Gray Low VOC Gel Coat B-1536-LNHN	FGGELCOAT
601920	AME 5001 C	FGOPENMOLDING
615965	AOC H884-IVA-20	FGOPENMOLDING
106387	Armorcote Green 961GJ117	FGGELCOAT
661760	Armorflex HAP33 Sea Fox Green 99FWP646	FGGELCOAT
658562	ArmorFlex Mystic Green 953GP377	FGGELCOAT
553330	ArmorGuard HAP33 Black Barrier Coat 967BK150	FGGELCOAT
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	FGOPENMOLDING
671003	Aropol L 67341 T-20 LSE	FGOPENMOLDING
651875	Bulk Resin 136-7977	FG-RTMPRESS
53-X145A	Catalyst, Component B for KPA01	EUCOATINGLINE
CTC0073	Catalyst, Hardener	EUCOATINGLINE
V66V27	Catalyst, Polane B	EUCOATINGLINE
0504_001	COR61-AA-545s DCPD Laminating Resin	FGOPENMOLDING
574675	Denatured Alcohol - PC-1010	EUCLEANUP
596288	Derakane 510 B-400	FGOPENMOLDING
B	Dion FR 7704-00 poly-resin- tubs	FGOPENMOLDING
697384	Dk Gray Avalon	FGGELCOAT
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	EUFOAM
653734	Enguard NG-37025 Buckskin	FGGELCOAT
653733	Enguard WG-34653 Hurricane White	FGGELCOAT
683929	HAP33 Browncrest Armorcote 991NP599	FGGELCOAT
683927	HAP33 Charcoal Armorcote 991AP633	FGGELCOAT
655100	HAP33 IMPULSE TORRED RED 996RP240	FGGELCOAT
653519	HAP33 Off White ArmorFlex 99FWP506	FGGELCOAT
605547	HAP33 Sea Foam Green ArmorPro 99MWP356	FGGELCOAT
681060	HAP37 Beige-BC Polycor 964NP589	FGGELCOAT



681409	HAP37 DK GRAY 2020	FGGELCOAT
681120	HAP37 French Gray-BC Polycor 964NP590	FGGELCOAT
681121	HAP37 Oxford Gray-BC	FGGELCOAT
38101	Hetron 197 P Resin	FGOPENMOLDING
38307	Hetron FR 992	FGOPENMOLDING
671485	HURRICANE WHITE ArmorFlex 953WP762	FGGELCOAT
601835	Imedge HPB Blue Barrier Coat 210LK292	FGGELCOAT
557967	Int w419-Luu-CSA White -Tub	FGGELCOAT
617369	LHB-3815 Black VE Barrier Coat	FGGELCOAT
23172	Luperox DDM-9 CLEAR 1536#/PLT	FGGELCOAT, FG-RTMPRESS
551413	Maxguard CG-SG-0010 Spray Granite Gelcoat	FGGELCOAT
639298	Maxguard GG-LEI-R6001A Gelcoat	FGGELCOAT
634516	Maxguard IG-LEI-J148A Gelcoat	FGGELCOAT
640315	Maxguard NG-LRV-7035 Milkweed Gelcoat	FGGELCOAT
636644	Maxguard RG-LEI-R4003A Gelcoat - Light Purple	FGGELCOAT
50912	MR 910/910FD TR 910 FD Mold Release	MOLDRELEASE
562196	Norox Azox Fred - Acetyl Acetone Peroxide	FG-RTMPRESS
539089	Norox MCP-75 FRED	FGOPENMOLDING, FG-RTMPRESS
205702	Norox MEKP-9H	FGGELCOAT, FG-RTMPRESS
538881	Optiplus 040-8089 Unsaturated Polyester in Monomer	FGOPENMOLDING
537983	Optiplus 040-8094 Unsaturated Polyester in Monomer	FGOPENMOLDING
F63BXL17999-4318	Paint, Blue Bruinswick	EUCOATINGLINE
F63BXA4327-43	Paint, Dark Gray Bruinswick	EUCOATINGLINE
4402	Paint, Gloss Black Spray	EUCOATINGLINE
KPA0333	Paint, Med Gloss Black Urethane	EUCOATINGLINE
4087573	Paint, Red Spray	EUCOATINGLINE
F63BXA4326	Paint, Silver Bruinswick	EUCOATINGLINE
KPY0217	Paint, Yellow	EUCOATINGLINE
A	pcu 33234-24 low styrene resin	FGOPENMOLDING
640895	Platinum Tan Low VOC Gel Coat N-1404-LNHN	FGGELCOAT
623680	Polycor 944WP506 Off White	FGGELCOAT
538937	Polycor Base White 944WJ480	FGGELCOAT
37166	Polycor Black 944B025	FGGELCOAT
37026	Polycor Black Tooling 945B201	FGGELCOAT
591163	Polycor HAP37 Almond 964NK208	FGGELCOAT
671486	Polycor HAP37 Buckskin 964NP553	FGGELCOAT
671487	Polycor HAP37 CONCH SHELL 964NP555	FGGELCOAT
665311	Polycor HAP37 Crest Gray 964AP276	FGGELCOAT
653889	Polycor HAP37 Dark Brown 964NP500	FGGELCOAT
622891	Polycor HAP37 Duck Yellow 964YP359	FGGELCOAT
607674	Polycor HAP37 Khaki 964NP298	FGGELCOAT
645286	Polycor Hap37 Light Gray 964AP416	FGGELCOAT
645283	Polycor HAP37 Tan 964NP451	FGGELCOAT
37027	Polycor L/F Orange Tooling 945YA058	FGGELCOAT
588748	Quickmix Neutral 99Q-HI Chroma MACT 99QXK166	FGGELCOAT
29009	R061-46 - Polyester Bonding Putty	FGOPENMOLDING
0505_001	RFX-8636 Tan Reflex	FGGELCOAT

601211	RHD-3507 Jet Black Revolution HD	FGGELCOAT
630852	SCIGrip SG300-05-OW - Off White Adhesive	EUADHESIVEDISPING
655932	SCIGRIP SG305A Adhesive	EUADHESIVEDISPING
628769	SCIGRIP SG605B-B Activator	EUADHESIVEDISPING
659637	Silverado Low VOC Gel Coat B-1679-LNHN	FGGELCOAT
505853	Stypol 040-8086 Unsaturated Polyester Resin	FG-RTMPRESS
691773	Vanilla Seats	FGGELCOAT
E13	Foam A QCS-3000	EUFOAM
E13.1	Foam B QCS-2400	EUFOAM
647570	AOC H884-IVA-20	FGOPENMOLDING
595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY	FGOPENMOLDING
690917	Reactive Tackifier NuTak BLU 046-4062	EUADHESIVEDISPING
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	EUADHESIVEDISPING
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	EUADHESIVEDISPING
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM	EUACOATINGLINE
50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104 LTD QTY	MOLDRELEASE
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY	EUACOATINGLINE
536301	AXE GL S19C SEALER 4 GL/CTN	EUOPENMOLDING
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	MOLDRELEASE
641685	CHL GL 2697 SEALER 4GL/CTN	EUADHESIVEDISPING
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	MOLDRELEASE
540104	CHL GL FZ5RSG014 FLEX-Z #5 HI SLIP MOLD RELEASE 4/CS	MOLDRELEASE
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#490269	EUOPENMOLDING
216566	3MC 05928 QT MACHINE POLISH 7100061951 FINESSE-IT II 6/CS	MOLDRELEASE
533074	UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MATERIAL	EUACOATINGLINE
211989	PCU PT 095-0141 DEFOAMER	EUFOAM
654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL	EUCLEANUP
38284G	Patch aid clear 970xa014	EUOPENMOLDING
548759	Chemlease 15 Sealer EZ	EUOPENMOLDING
634513	INE FV MAX YG-LEI-X027A Yellow Instint Gelcoat	FGGELCOAT
694481	Alpine white low voc gel coat	FGGELCOAT
394430	Flint low VOC gel coat b-1774	FGGELCOAT
694478	Latte khaki low voc gel coat	FGGELCOAT
105435	CHL GL MPP 117 PRIMER	EUACOATINGLINE
51609	Clear Hi-Gloss Additive	EUACOATINGLINE
528737	941-CJ-018 clear Patching Thinner	EUCLEANUP
534109	Clear Patching Thinner 963-CA-220	EUCLEANUP
50523	TR Mold Release TR-214	MOLDRELEASE
50522	TR-210 Mold Release	MOLDRELEASE
697441	Mission White Gel Coat	FGGELCOAT
512587	502 TR Wax Build Up Remoer	EUCLEANUP
635220	Ash FB Ag-lei-M155a instint gel Dark Brown	FGGELCOAT
31353	RESIN dion 9300 fr	EUACOATINGLINE
583175	Resin Corve 8401	EUACOATINGLINE
647477	752-4420 Resin FR Infusion Resin	FG-RTMPRESS
689737	INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN	EUACOATINGLINE
628635	IPS SG300-05-B BLACK 30248/30248RIT	EUOPENMOLDING

205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROXIDE BLE	FGOPENMOLDING, FG-RTMPRESS
693428	Tan Y038 low voc gel coat	FGGELCOAT
679751	A-Gray LOW VOC GEL COAT B-1536B	FGGELCOAT
630241	84-810660 Lt gray MACT sand	FGGELCOAT
592459	Grey EZ sanding primer 707-061	EUCOATINGLINE
638072	ASC DX 81-112740 FREIGHTLINER WHITE ULTRA PLUS GEL COAT	FGGELCOAT
684864	INE FV MAX WG-LEI-1717A MISSION WHITE INSTINT GC NA06	FGGELCOAT
691064	964-NP-615 Tan Maint Hap37 gel coat	FGGELCOAT
691065	964AP678 Hap37 Gray gel coat	FGGELCOAT
694221	PCU DX 964-NP-626 BEIGE-MANIT HAP37 GEL COAT	FGGELCOAT
631808	INE FV MAX GG-LEI-R6027A LIGHT GREEN INSTINT GEL COAT NA0	FGGELCOAT
83022	APF7 White 1011047	EUOPENMOLDING
641523	AOC FV CT-11088 WHITE PIGMENT	EUCOATINGLINE
526125	Elastopor P 15390R resin	EUFOAM
38060G	970C949 8% Wax solution	MOLDRELEASE
693092	INT DX CORVE8400 VINYL ESTER	EUOPENMOLDING
827592	PCU DX 964-AP-744 BENN GRAYHAP37 GELCOAT	FGGELCOAT
827593	PCU DX 964-NP-643 BENN TANHAP37 GELCOAT	FGGELCOAT
682040	INE TOTE AROPOL L67370 T-20LSEPROMOTED RESIN	EUOPENMOLDING
694430	INT DX B-1774-LNHN FLINT SMOKELOW VOC GEL COAT	FGGELCOAT
828693	PCU DX 991-YP-551 DUCK YELLOWHAP33 ARMORCOTE GELCOAT	FGGELCOAT
690012	BSF DX P P53000R B SIDE POUR50675077	EUFOAM
205709	UNI 4X8# NOROX MEKP-925H CLEARMETHYL ETHYL KETONE PERO	FGGELCOAT
829016	PCU DX 991-PP-066 DRAGONPURPLE ARMORCOTE MC GELCOAT	FGGELCOAT
628637	IPS SG300-15-OW OFF WHT 490ML30339/30339RIT	EUADHESIVEDISPING
827631	PCU FV 991-GD-126 GREENHAP33 ARMORCOTE GELCOAT	FGGELCOAT
102380	AOC FV CT-80041 JET BLACKPIGMENT	EUCOATINGLINE
203308	PCU DX 33234-24 LOW STYRENETLP RESIN	EUOPENMOLDING
680667	INE FV MAX YG-LEI-Y050AINSTINT GEL COAT NA03	FGGELCOAT
23807-m5	DCI FV DUROCT COBALT 12%OCTOATE	EUOPENMOLDING
668571	INE FV MAX LG-LEI-J018AINSTINT GELCOAT NA01	FGGELCOAT
205697	UNI 4X8# AZOX CLEAR	FGOPENMOLDING, FG-RTMPRESS
37022	PCU GL 970-X-900 SPEED PATCH8#/GL PATCHAID	FGGELCOAT
654994	INE FV MAX LG-LEI-J016AINSTINT GEL COAT NA01	FGGELCOAT
607126	NOD GL 15310 SPECIAL-LITE BODYFILL W/2.5 OZ BL HARD	EUOPENMOLDING
84610	AOC FV CT-10006 WHITE RAL9003PIGMENT	FGGELCOAT
560310	CHL GL MPP2180 MOLD PREP &PRIMER	MOLDRELEASE





		Enter w/o dashes	TRI CAS	Highlighted ce	
		100425	80626	100414	
		100-42-5	80-62-6	100-41-4	
	5	6	7	8	9
		Name	Styrene*	Methyl methacrylate*	Ethylbenzene
		Percent Emitted	1 *	1 *	100%
		SARA 313	*SEE FORMULA	*SEE FORMULA	
		SARA 302	Yes	Yes	Yes
	Type	Total VOC	0 (wt%)	0 (wt%)	0 (wt%)
	Purge & Cleanup	100%			
	Mold Release	100%			
	Purge & Cleanup	0%			
	Purge & Cleanup	0%			
	Paint	0%			
	Gelcoat	40%	30%	10%	
	Resin	35%	35%		
	Resin	32%	32%		
	Gelcoat	35%	24%	10%	
	Gelcoat	35%	28%	5%	1%
	Gelcoat	39%	28%	10%	1%
	Gelcoat	34%	32%		1%
	Resin	35%	35%		
	Resin	33%	33%		
	Resin	43%	43%		
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Resin	33%	31%	2%	
	Other-Non Coating	100%			
	Resin	39%	39%		
	Resin	32%	32%		
	Gelcoat	36%	31%	5%	
	Catalyst	6%			
	Gelcoat	40%	35%	5%	
	Gelcoat	34%	29%	5%	
	Gelcoat	33%	26%	6%	0%
	Gelcoat	37%	26%	10%	
	Gelcoat	36%	30%	5%	
	Gelcoat	34%	28%	4%	0%
	Gelcoat	38%	31%	5%	1%
	Gelcoat	36%	31%	5%	0%





	Gelcoat	36%	31%	5%	
	Gelcoat	37%	32%	5%	
	Gelcoat	37%	32%	5%	
	Resin	42%	42%		
	Resin	40%	40%		
	Gelcoat	35%	29%	5%	
	Gelcoat	33%	33%		
	Gelcoat	29%	29%		
	Gelcoat	29%	29%		
No 313 Chemicals	Catalyst	2%			
	Gelcoat	41%	31%	10%	
	Gelcoat	31%	29%	3%	
	Gelcoat	31%	29%	3%	
	Gelcoat	32%	29%	3%	
	Gelcoat	31%	28%	3%	
No 313 Chemicals	Mold Release	100%			
	Catalyst	5%			
	Catalyst	10%			
	Catalyst	5%			
	Resin	51%	40%		1%
	Resin	47%	40%	5%	1%
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Paint	0%			
	Resin	33%	33%		
	Gelcoat	45%	40%	5%	
	Gelcoat	35%	30%	5%	0%
	Gelcoat	36%	30%	5%	1%
	Gelcoat	40%	34%	5%	1%
	Gelcoat	47%	43%	4%	
	Gelcoat	36%	30%	5%	1%
	Gelcoat	36%	32%	5%	0%
	Gelcoat	36%	31%	5%	0%
	Gelcoat	37%	31%	5%	1%
	Gelcoat	38%	32%	5%	1%
	Gelcoat	36%	31%	4%	0%
	Gelcoat	37%	31%	5%	1%
	Gelcoat	35%	30%	4%	0.02%
	Gelcoat	36%	31%	5%	0%
	Gelcoat	49%	42%	5%	1%
	Gelcoat	42%	35%	5%	1%
	Other-Non Coating	15%	15%		
	Gelcoat	33%	30%	3%	



	Gelcoat	32%	28%	4%	
	Adhesive	0%	0%	0%	
	Adhesive	0%	0%	0%	
	Catalyst	0%			
	Gelcoat	34%	29%	5%	
	Resin	40%	40%		
	Gelcoat	35%	30%	5%	
	0	2%			
	0	7%			
	Resin	32%	32%		
	Resin	35%	35%		
	0	50%			
	Catalyst	0%			
	Catalyst	0%			
	0	93%			
	Mold Release	85%			
	Other-Non Coating	100%			
	Other-Non Coating	100%			
	Mold Release	1%			
	Other-Non Coating	100%			
	Mold Release	98%			
	Mold Release	100%			
	Other-Non Coating	100%			
	Other-Non Coating	14%			
	Other-Non Coating	100%			
	Other-Non Coating	0%			
	0	100%			
	0	50%	50%		
	0	95%			
	Gelcoat	33%	30%	3%	
	Gelcoat	36%	31%	5%	
	Gelcoat	35%	30%	5%	
	Gelcoat	35%	30%	5%	
	0	100%			
	0	54%	36%		
	0	62%	50%	10%	1%
	0	58%	36%	20%	1%
	Mold Release	100%			
	Mold Release	83%			
	Gelcoat	35%	30%	5%	
	Mold Release	63%			
	Gelcoat	33%	30%	3%	
	Resin	53%	53%		
	Resin	38%	38%		
	Resin	30%	30%		
	Resin	39%	34%	5%	
	Adhesive	79%	4%	65%	



	Catalyst	29%		
	Gelcoat	35%	30%	5%
	Gelcoat	35%	30%	5%
	Gelcoat	61%	60%	1%
	0	18%	18%	
	Gelcoat	35%	30%	5%
	Gelcoat	29%	26%	3%
	Gelcoat	37%	32%	5%
	Gelcoat	37%	32%	5%
	Gelcoat	37%	32%	5%
	Gelcoat	33%	30%	3%
	Resin	21%		
	0	0%		
	Resin	26%		
	0	92%	92%	
	Resin	37%	37%	
	Gelcoat	36%	31%	5%
	Gelcoat	36%	31%	5%
	Resin	33%	33%	
	Gelcoat	35%	30%	5%
	Gelcoat	35%	24%	10%
	Resin	26%		
	Catalyst	30%		
	Gelcoat	34%	23%	10%
	Adhesive	0.40%	0.02%	0.33%
	Gelcoat	35%	24%	10%
	0	0%		
	Resin	33%	33%	
	Gelcoat	33%	30%	3%
	Catalyst	40%		
	Gelcoat	63%	30%	3%
	Catalyst	5%		
	Reducer	51%	50%	
	Gelcoat	33%	30%	3%
	Resin	26%	25%	
		0%		
		85%		
		0%		
		0%		
		0%		
		0%		
		0%		
		0%		
		0%		
		0%		
		0%		



















	55%	5%				
		100%				
					50%	10%
					50%	
					25%	
					10%	
	1%	100%				
					25%	
				50%		
		20%				
		5%				



111659	64741668	108883	37187227	123546	131113	80159
111-65-9	64741-66-8	108-88-3	37187-22-7	123-54-6	131-11-3	80-15-9
24	25	26	27	28	29	30
Octane 100%	naphtha (petroleum), light alkylate 100%	Toluene 100%	2,4-Pentanedione, peroxide 0	2,4-Pentanedione 100%	Dimethyl phthalate 0.10%	Cumene hydroperoxide 0
No #N/A (wt%)	No #N/A (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)	Yes 0 (wt%)	Yes 0 (wt%)
		52%				
	100%					









































540976	8042475	872504	68133697	5131668
540-97-6	8042-47-5	872-50-4	68133-69-7	5131-66-8
60	61	62	63	64
Decamethylcyclohexasiloxane	White Mineral Oil	N-methyl-2-pyrrolidone	2-[(2-cyanoethyl)[4-[(6-nitrobenzothiazol-2-yl)azo]phenyl]amino]ethyl acetate	3-butoxypropan-2-ol
100%	100%	100%	100%	100%
No #N/A (wt%)	No #N/A (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)















25340174	1330207	110918	112801	92257313
25340-17-4	1330-20-7	110-91-8	112-80-1	92257-31-3
70	71	72	73	74
Diethylbenzene	Xylene	Morpholine	Oleic Acid	2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-ar-heptyl ar, ar-Me derivs
100%	100%	100%	100%	100%
No #N/A (wt%)	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)







91996	13674645	460731	98942	0
91-99-6	13674-64-5	460-73-1	98-94-2	
75	76	77	78	79
<i>N,N-Bishydroxyethyl-m-toluidine</i>	<i>tris(2-chloro-1-methylethyl)phosphate</i>	<i>Propane 1,1,1,3,3-pentafluoro</i>	<i>Cyclohexyldimethylamine</i>	
100%	100%	100%	100%	100%
No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A





Cobalt Compounds

0	N096	136527	27253312	21041930	15625895	7722841
	N096	136-52-7	27253-31-2	21041-93-0	15625-89-5	7722-84-1
80	81	82	83	84	85	86
	<i>Cobalt Compounds</i>	<i>CAS not found on SARA list</i>	<i>CAS not found on SARA list</i>	<i>CAS not found on SARA list</i>	<i>Acrylic Polymer</i>	<i>Hydrogen peroxide (Conc.&gt; 52%)</i>
100%						
No #N/A	Yes 0 (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No #N/A (wt%)	No 1,000 (wt%)
	1%	1%				
	0%	0%	0%	0%		
	0%	0%				
	1%	1%				
	0%	0%				
	1%	1%				
	0%	0%				
	0%	0%	0%	0%		
	0%	0%				
	1%	1%				
	0%	0%				
	0%	0%				



	1%	1%				
	1%	1%				
	1%	1%				
	1%	1%				
	1%	1%				
	0%	0%	0%	0%		
	0%	0%	0%	0%		
	0%	0%	0%	0%		
						18%
						5%
						5%
	1%	1%				
	0%					
	0%					
	0%	0%				
	0%	0%				
	1%	1%				
	0%					
	0%	0%				
	0%	0%				





						5%
		1%				
		1%				
		1%				
		1%				
		1%				
		1%				
		1%				
		1%				
						5%
		1%			23%	
		1%				
	0.15%					
		75%				
						5%





					1%	
						26%
					2%	
					1%	15%
					1%	15%
					1%	15%
					1%	15%
					5%	
						30%



						12%
	15%					
					10%	
40%						
	60%					
	60%					
		80%	5%			
				100%		
					5%	20%
						15%
				1%		
				1%		
					5%	20%





						15%
						10%
						35%
						10%
					5%	10%
					5%	20%
						20%
						20%
						10%
						10%
					5%	20%
					5%	20%
					5%	20%
				1%		
				0.01		

13463677	7631869	14808607	1317653	67762907	1333864	107211
13463-67-7	7631-86-9	14808-60-7	1317-65-3	67762-90-7	1333-86-4	107-21-1
94	95	96	97	98	99	100
<i>Titanium Dioxide</i>	<i>Silica Amorphous</i>	<i>Quartz</i>	<i>Calcium Carbonate</i>	<i>Silicon Dioxide</i>	<i>Carbon Black</i>	<i>Ethylene glycol</i>
No	No	No	No	No	No	YES
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0
(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)
5%						
30%						
5%						
5%						
3%	3%	0%				
21%						
30%						
20%						
5%						



5%						
5%						
5%						
30%						1%
15%						
				6%		
3%						
3%						
2%						
20%						
20%						
20%						
					0%	
5%						
5%						
5%						
5%						
5%						
5%						
10%						
5%						
			55%			
6%						



5%						
20%						
15%						
10%						
3%						
3%						
20%						
15%						



10%						
5%			30%			
30%	5%		5%			
27%	5%					
5%						
5%						
5%						
15%						
5%						
5%						
3%						
5%						
10%						
					25%	
15%					25%	
15%						
15%						
1%						
0.01						







			10%	55%		
					10%	10%
					10%	10%
				55%		





9004700	70851411	8004873	2437298	68187848	8015869	63148629
9004-70-0	70851-41-1	8004-87-3	2437-29-8	68187-84-8	8015-86-9	63148-62-9
108	109	110	111	112	113	114
<i>Cellulose Nitrate</i> <i>0</i>	<i>Solvent Red 160</i>	<i>Basic Violet 1</i>	<i>Malachite Green</i> <i>Oxalate</i>	<i>Oxidized Castor Oil</i>	<i>Camauba Wax</i>	<i>Polyalkyl siloxane</i>
No #N/A (wt%)	No #N/A (wt%)	No (wt%)	No (wt%)	No (wt%)	No (wt%)	No (wt%)












85711462	61790532	Proprietary	21645512	0	0	0
85711-46-2	61790-53-2	Proprietary	21645-51-2			
122	123	124	125	126	127	128
<i>Fatty acids, c14- c18 and c16-16 unsatd maleated</i>	<i>Silica</i>	<i>Proprietary Resin</i>	<i>Iron Oxide</i>			
No	No	No	No			
(wt%)	(wt%)	(wt%)	(wt%)			







		25%				
1%			10%			
1%						
0.5%						
0.5%						
0.5%						



136	137	138	139	140	141	142





150	151	152	153	154	155	156



164







2 3 4 5 6 7 8

**FGOPENMOLDING**

Owosso Composite, LLC, Owosso, MI

YEAR

2022

<b>VOC Emissions (ton)</b>	<b>0.23</b>
<b>VOC Emissions PARTS &amp; Catalyst (WWWW) (ton)</b>	<b>0.18</b>
<b>VOC Emissions Boats (VVVV) (ton)</b>	<b>0.05</b>
<b>Styrene Emissions (ton)</b>	<b>0.19</b>
<b>Styrene Emissions PARTS (WWWW) (ton)</b>	<b>0.14</b>
<b>Styrene Emissions Boats (VVVV) (ton)</b>	<b>0.05</b>

Product Name	Product Name	Type	Boats/Parts	Resin Type	On Material Summ	Units	January-22
647570	AOC H884-IVA-20	Resin	Boats	Production Resin	YES	lb	2,797.00
A	pcu 33234-24 low styrene resin	Resin	Parts	CR/HS Resin	YES	lb	
539089	Norox MCP-75 FRED	Catalyst	Boats	0	YES	lb	-
38307	Hetron FR 992	Resin	Parts	Low-flame spread/low	YES	lb	-
29009	R061-46 - Polyester Bonding Putty	Other-Non Co	Parts	0	YES	lb	-
536301	AXE GL S19C SEALER 4 GL/CTN	Other-Non Co	Parts	0	YES	lb	-
23826	VWR GL DIMETHYLANILINE,N,N- (DMA) 8#/GL 6GL/CS V#4	Other-Non Co	Parts	0	YES	lb	8.00
38284G	Patch aid clear 970xa014	0	Parts	0	YES	lb	-
548759	Chemlease 15 Sealer EZ	0	Parts	0	YES	lb	-
628635	IPS SG300-05-B BLACK 30248/30248RIT	Adhesive	Parts	0	YES	lb	-
205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPEROX	Catalyst	Parts	0	YES	lb	-
83022	APF7 White 1011047	Resin	Parts	Non CR/HS Resin	YES	lb	354.00
595326	DBF DX 72300 HIGH STRENGTH NEUTRAL BONDING PUTTY	Resin	Parts	Resin	YES	lb	-
B	Dion FR 7704-00 poly-resin- tubs	Resin		CR/HS Resin	YES	lb	-
585624	Armorstar VSXH-2210 Blended Vinyl Ester Resin	Resin		CR/HS Resin	YES	lb	-
671003	Aropol L 67341 T-20 LSE	Resin		CR/HS Resin	YES	lb	-
0504_001	COR61-AA-545s DCPD Laminating Resin	Resin		CR/HS Resin	YES	lb	-
596288	Derakane 510 B-400	Resin		CR/HS Resin	YES	lb	-
601920	AME 5001 C	Resin		CR/HS Resin	YES	lb	-
538881	Optiplus 040-8089 Unsaturated Polyester in Monomer	Resin		Shrinkage controlled r	YES	lb	-
537983	Dion FR 7704-00 poly-resin- tubs	Resin	Parts	Shrinkage controlled r	YES	lb	-
693092	INT DX CORVE8400 VINYL ESTER	Resin	Parts	Low-flame spread/low	YES	lb	1,800.00
682040	INE TOTE AROPOL L67370 T-20LSEPROMOTED RESIN	Resin	Parts	Non CR/HS Resin	YES	lb	5,514.00
203308	PCU DX 33234-24 LOW STYRENETLP RESIN	Resin		Non CR/HS Resin	YES	lb	-
23807-m5	DCI FV DUROCT COBALT 12%OCTOATE	Catalyst		0	YES	lb	-



9 10 11 12 13 14 15 16 17 18 19

February-22	March-22	April-22	May-22	June-22	July-22	August-22	September-22	October-22	November-22	December-22
0.44	0.63	0.31	0.74	0.61	0.44	0.00	0	0	0	0
0.16	0.19	0.31	0.22	0.23	0.05	0.00	0	0	0	0
0.30	0.47	0	0.57	0.41	0.42	0	0	0	0	0
0.41	0.62	0.16	0.68	0.46	0.44	0.00	0	0	0	0
0.10	0.15	0.16	0.11	0.04	0.01	0.00	0	0	0	0
0.30	0.47	0	0.57	0.41	0.42	0	0	0	0	0

February-22	March-22	April-22	May-22	June-22	July-22	August-22	September-22	October-22	November-22	December-22
16,302.00	25,169.00	22,488.00	30,640.00	22,151.00	22,828.00					
192.00	256.00	288.00	320.00	256.00	288.00					
3,042.00	3,042.00	3,042.00	3,042.00	-	-					
-	-	1,400.00	700.00	2,100.00						
6.09	6.09	-	6.09	-	6.09					
16.00	-	8.00	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
283.20	212.40	70.80	247.80	141.60	177.00					
1,720.13	2,293.50	2,293.50	2,293.50	2,293.50	573.38					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	-	-	-	-	-					
-	1,800.00	1,800.00	-	-	-					
-	-	-	-	-	-					
-	-	489.00	-	-	-					
-	-	70.00	-	-	-					



20 References

Boats lb  
Parts gal

<b>Total</b>
<b>3.39</b>
<b>1.34</b>
<b>2.23</b>
<b>2.95</b>
<b>0.72</b>
<b>2.23</b>

6,779.52

5.20E-02

Low

SC II.1

33.5%

SC VI.3.a

SC VI.3.b

SC VI.3.c

SC VI.3.d

SC VI.3.d

<b>Total Usage 2022</b>
119,887.00
-
1,600.00
12,168.00
4,200.00
24.35
32.00
-
-
-
-
1,486.80
11,467.50
-
-
-
-
-
-
-
-
-
5,400.00
5,514.00
489.00
70.00

Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VVVV HAP Emission Factor PVi (kg/Mg)	VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to Mg
9.17	32.0%	0	32.0%	32.0%	37.18	37.18	68.48	68.48	68.48	4.54E-04
9.34	33.0%	0	36.3%	33.0%	39.88	39.88	70.62	70.62	135.62	4.54E-04
8.35	0	0	10.0%	10.0%	--	--	--	--	200.00	4.54E-04
9.68	39.5%	0	39.8%	39.5%	60.13	60.13	91.12	91.12	97.12	4.54E-04
13.34	15.0%	0	15.0%	15.0%	--	--	--	--	300.00	4.54E-04
6.09	0	0	100.0%	2.5%	--	--	--	--	2,000.00	4.54E-04
7.97	0	0	100.0%	0	--	--	--	--	2,000.00	4.54E-04
8.79	50.4%	0	50.4%	50.4%	--	--	--	--	1,008.12	4.54E-04
6.34	0	0	95.0%	0	--	--	--	--	1,900.00	4.54E-04
8.42	4.0%	65.0%	79.0%	69.0%	--	--	--	--	1,580.00	4.54E-04
8.34	0	0	28.5%	35.0%	--	--	--	--	570.50	4.54E-04
17.76	0	0	21.0%	0	0	0	0	0	420.00	4.54E-04
10.43	35.0%	0	35.0%	35.0%	45.59	45.59	76.90	76.90	76.90	4.54E-04
10.51	31.5%	0	32.0%	31.5%	35.87	35.87	67.41	67.41	77.41	4.54E-04
9.14	34.6%	0	36.2%	34.6%	44.53	44.53	75.77	75.77	107.77	4.54E-04
9.00	32.6%	0	32.6%	32.6%	38.73	38.73	69.72	69.72	69.72	4.54E-04
10.84	31.0%	2.0%	33.0%	33.0%	39.88	34.59	70.62	64.34	94.34	4.54E-04
9.00	39.4%	0	39.4%	39.4%	59.63	59.63	90.66	90.66	90.66	4.54E-04
9.00	34.6%	0	34.6%	34.6%	44.39	44.39	75.61	75.61	75.61	4.54E-04
8.72	40.0%	0	51.1%	41.0%	65.34	61.78	95.74	92.60	293.60	4.54E-04
8.81	40.0%	5.0%	47.0%	46.0%	84.90	61.78	111.44	92.60	187.60	4.54E-04
9.76	37.0%	0	37.0%	37.0%	51.74	51.74	83.18	83.18	83.18	4.54E-04
8.99	33.4%	0	33.4%	33.4%	41.01	41.01	71.91	71.91	71.91	4.54E-04
9.17	33.0%	0	33.0%	33.0%	39.88	39.88	70.62	70.62	70.62	4.54E-04
8.59	0	0	40.0%	0	--	--	--	--	800.00	4.54E-04



	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resin	39%	254
Non CR/HS Resin	35%	88
Tooling Resin	35%	113
-flame spread/low-smoke	35%	497
Shrinkage controlled resin	35%	354

Conversion lb to ton	Boats	Production Resin	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low- smoke	Shrinkage controlled		Parts & Catalysts
							resin	Parts	
0.0005	1.00	1.00	-	-	-	-	-	-	0
0.0005	-	1.00	1.00	-	-	-	-	1.00	1
0.0005	1.00	-	-	-	-	-	-	-	1
0.0005	-	1.00	-	-	-	1.00	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	1.00	-	1.00	-	-	-	1.00	1
0.0005	-	-	-	-	-	-	-	1.00	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	1.00	-	-	-	-	-	1
0.0005	-	1.00	-	-	-	-	1.00	-	1
0.0005	-	1.00	-	-	-	-	1.00	1.00	1
0.0005	-	1.00	-	-	-	1.00	-	1.00	1
0.0005	-	1.00	-	1.00	-	-	-	1.00	1
0.0005	-	1.00	-	1.00	-	-	-	-	1
0.0005	-	-	-	-	-	-	-	-	1



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**EUFOAM**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2022**

HAP Emi:
VOC Em
Styrene En

Product Name	Product Name	Type	Boats/Parts
27299	Elastopor P1001U Isocyanate - Paddle Boats 100%	Catalyst	Boats
E13	Foam a	0	Boats
E13.1	Foam b	0	Boats
526125	Elastopor P 15390R resin	Resin	Boats
211989	PCU PT 095-0141 DEFOAMER	Other-Non Coating	
690012	BSF DX P P53000R B SIDE POUR50675077	Resin	Boats
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<b>MACT VVVV To</b>
<b>MACT VVVV (I</b>
<b>MACT VVVV</b>
<b>MACT VVVV Product</b>
<b>MACT VVVV Prod</b>
<b>MACT VVVV Toolin</b>
<b>MACT VVVV To</b>
<b>To</b>

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	January-22	February-22	March-22	April-22	May-22
AP Emissions (ton)	0	0	0	0	0
Emissions Boats (VVVV) (ton)	0	0	0	0	0
VOC Emissions (lb)	0.33	0	1.50	0	0
Emissions Boats (VVVV) (lb)	0.33	0	1.50	0	0
Organic Emissions (ton)	0	0	0	0	0
Emissions Boats (VVVV) (ton)	0	0	0	0	0

Resin Type	On Material Summ	Units	January-22	February-22	March-22	April-22	May-22
0	YES	lb	551.00	-	551.00	-	-
0	YES	lb					
0	YES	lb					
0	YES	lb	-	-	-	-	-
0	YES	lb	-	-	-	-	-
0	YES	lb	-	-	450.00	-	-
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<b>Total Organic HAP Emissions (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(M X PV<sub>R</sub>) Production Resin (kg)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>(M X PV<sub>TR</sub>) Tooling Resin (kg)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Production Resin HAP Material Content (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Production Resin Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tooling Resin HAP Material Content (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tooling Resin Material Usage (ton)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Foam Usage (lb)</b>	<b>551.00</b>	<b>-</b>	<b>551.00</b>	<b>-</b>	<b>-</b>





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CR/HS Resin  
 Non CR/HS Resin  
 Tooling Resin  
 Low-flame spread/low-smoke

Shrinkage controlled resin

SC VI.3.d SC VI.3.d

VVVV Styrene Emission Factor PVi (kg/Mg)	WWWV HAP Emission Factor (lb/ton)	WWVV Styrene Emission Factor (lb/ton)	VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton
--	--	--	0.01	120.14	4.54E-04	0.0005
--	--	--	0.01	6.47E-06	4.54E-04	0.0005
--	--	--	0.01	9.99E-07	4.54E-04	0.0005
0	0	0	0.01	520.00	4.54E-04	0.0005
--	--	--	0.01	0	4.54E-04	0.0005
0	0	0	0.01	520.00	4.54E-04	0.0005
--	--	--	--	--	4.54E-04	0.0005
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VVVV Limit WWWW Limit (lb/ton)

39% 254  
35% 88  
35% 113  
35% 497

35% 354

Boats	Production Resin	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low-smoke	Shrinkage controlled resin	Parts	Parts & Cat
1.00	-	-	-	-	-	-	-	1
1.00	-	-	-	-	-	-	-	0
1.00	-	-	-	-	-	-	-	0
1.00	-	-	-	-	-	-	-	0
-	-	-	-	-	-	-	-	1
1.00	-	-	-	-	-	-	-	0
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-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	1
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**EURTM**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2022**

<b>VOC Emissions (lb)</b>
<b>VOC Emissions PARTS &amp; Catalyst (lb)</b>
<b>HAP Emissions Boats (VW)</b>
<b>HAP Emissions (lb)</b>
<b>Styrene Emissions PARTS (VW)</b>
<b>Styrene Emissions Boats (VW)</b>

<b>Product Name</b>	<b>Product Name</b>	<b>Type</b>	<b>Boats/Parts</b>	<b>Resin Type</b>
539089	Norox MCP-75 FRED	Catalyst	Parts	0
23172	Luperox DDM-9 CLEAR 1536#/PLT	Catalyst	Parts	0
205702	Norox MEKP-9H	Catalyst	Parts	0
562196	Norox Azox Fred - Acetyl Acetone Peroxide	Catalyst	Parts	0
505853	Stypol 040-8086 Unsaturated Polyester Resin	Resin	Parts	CR/HS Resin
651875	Bulk Resin 136-7977	Resin	Parts	CR/HS Resin
205712	UNI 4X8# NOROX MCP RED MEKP & CUMYL HYDROPERO	Catalyst	Parts	
647477	752-4420 Resin FR Infusion Resin	Resin	Parts	
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<b>MACT VVVV Total Organic HAP Er</b>
<b>MACT VVVV (M X PVR) Producti</b>
<b>MACT VVVV (M X PVTR) Toolin</b>
<b>MACT VVVV Production Resin HAP Ma</b>
<b>MACT VVVV Production Resin Mate</b>
<b>MACT VVVV Tooling Resin HAP Mate</b>
<b>MACT VVVV Tooling Resin Materi</b>
<b>MACT WWWW CR/HS Resin</b>
<b>MACT WWWW CR/HS Resin Mater</b>
<b>MACT WWWW Non CR/HS Res</b>
<b>MACT WWWW Non CR/HS Resin Ma</b>
<b>MACT WWWW Tooling Resin</b>
<b>MACT WWWW Tooling Resin Mate</b>
<b>MACT WWWW Low-flame/low-sr</b>
<b>MACT WWWW low flame/low smoke R</b>
<b>MACT WWWW Shrinkage Controlled F</b>
<b>MACT WWWW Shrinkage Controlled R</b>

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	January-22	February-22	March-22	April-22	May-22	June-22	July-22
	32.04	16.28	102.87	0.38	0.44	26.37	113.61
(WWWW) (lb)	32.04	16.28	102.87	0.38	0.44	26.37	113.61
V) (kg)	0	0	0	0	0	0	0
	32.00	16.19	102.74	0.29	0.32	26.26	113.56
'WW) (ton)	0.00	0.00	0.01	0	0	0.00	0.01
VV) (ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-22	February-22	March-22	April-22	May-22	June-22	July-22
YES	lb	-	192.00	256.00	288.00	320.00	256.00	288.00
YES	lb	64.00	288.00	320.00	224.00	128.00	192.00	32.00
YES	lb	-	-	64.00	96.00	96.00	64.00	96.00
YES	lb	64.00	64.00	64.00	-	96.00	96.00	-
YES	lb	8,000.00	4,000.00	4,000.00	3,000.00	6,362.00	6,500.00	6,500.00
YES	lb	-	-	19,900.00	-	-	-	20,080.00
YES	lb	-	-	-	-	-	-	-
YES	lb	-	-	-	-	-	-	-
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missions (ton)		0	0	0	0	0	0	0
on Resin (kg)		0	0	0	0	0	0	0
g Resin (kg)		0	0	0	0	0	0	0
terial Content (ton)		0	0	0	0	0	0	0
erial Usage (ton)		-	-	-	-	-	-	-
rial Content (ton)		0	0	0	0	0	0	0
al Usage (ton)		-	-	-	-	-	-	-
HAP (lb)		0	0	0	0	0	0	0
rial Usage (ton)		-	-	-	-	-	-	-
in HAP (lb)		0	0	0	0	0	0	0
terial Usage (ton)		-	-	-	-	-	-	-
l HAP (lb)		0	0	0	0	0	0	0
rial Usage (ton)		-	-	-	-	-	-	-
noke HAP (lb)		0	0	0	0	0	0	0
resin Material Usage		-	-	-	-	-	-	-
resin HAP Material		0	0	0	0	0	0	0
resin Material Usage		-	-	-	-	-	-	-





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0	0	0	0	0	0
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0	0	0	0	0	0
-	-	-	-	-	0
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0	0	0	0	0	0
-	-	-	-	-	0
0	0	0	0	0	0
-	-	-	-	-	0

Parts lb  
Boats gal

44.5%

SC II.1

SC VI.3.b

Density (lb/gal)	Styrene Content (wt%)	MMA Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	VVVV HAP Emission Factor PVi (kg/Mg)	VVVV Styrene Emission Factor PVi (kg/Mg)	WWWW HAP Emission Factor (lb/ton)	WWWW Styrene Emission Factor (lb/ton)
8.35	0	0	10.0%	10.0%	--	--	--	--
8.41	0	0	2.0%	0	--	--	--	--
9.18	0	0	5.0%	0	--	--	--	--
9.17	0	0	5.0%	0	--	--	--	--
9.09	40.0%	0	40.0%	40.0%	61.78	61.78	92.60	92.60
9.07	43.5%	0	43.5%	43.5%	74.61	74.61	103.46	103.46
8.34	0	0	28.5%	35.0%	--	--	--	--
10.68	30.3%	0	30.3%	30.3%	3284.1%	3284.1%	6484.2%	6484.2%
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	VVVV Limit	Styrene Lin	WWWW Limit (lb/ton)
white	33%	31%	267
Pigmented	33%	33%	377
Clear	48%	33%	522

SC VI.3.c

VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to Mg	Conversion lb to ton	Boats	Parts	Production CR/HS	Resi Non CR/HS
0.01	200.00	0.00	0.0005	-	1.00	-	-
0.01	40.00	0.00	0.0005	-	1.00	-	-
0.01	100.00	0.00	0.0005	-	1.00	-	-
0.01	100.00	0.00	0.0005	-	1.00	-	-
0.01	800.00	0.00	0.0005	-	1.00	-	-
0.01	869.20	0.00	0.0005	-	1.00	-	-
0.01	570.50	0.00	0.0005	-	1.00	-	-
0.01	606.00	0.00	0.0005	-	1.00	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
--	--	0.00	0.0005	-	-	-	-
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--	--	0.00	0.0005	-	-	-	-
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-	-	-	-	-
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	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resi	0.39	254
Non CR/HS	0.35	88
Tooling Res	0.35	113
Low-flame	0.35	497
Shrinkage c	0.35	354

Tooling Res: Low-flame Shrinkage controlled r Parts & Catalysts

-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
-	-	-	1.00
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EUBLADES

Owosso Composite, LLC, Owosso, MI

YEAR

2022


Product Number	Product Name	Type
38101	Hetron 197 P Resin	Resin
38307	Hetron FR 992	Resin
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MACT WW
MACT WWW
MACT WV

	January-22	February-22	March-22	April-22
VOC Emissions (lb)	0	320.14	320.14	320.14
Styrene Emissions (lb)	0	311.01	311.01	311.01

Resin Type	On Material Summ	Units	January-22	February-22	March-22	April-22
Low-flame spread/low-smoke	YES	lb	-	-	-	-
Low-flame spread/low-smoke	YES	lb	-	3,042.00	3,042.00	3,042.00
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MACT WWWW CR/HS Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW CR/HS Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Non CR/HS Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Non CR/HS Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Tooling Resin HAP (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Tooling Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Low-flame/low-smoke HAP (lb)	0.00	311.01	311.01	311.01
MACT WWWW Low flame/low smoke Resin Material Usage (ton)	-	1.52	1.52	1.52
MACT WWWW Shrinkage Controlled Resin HAP Material Content (lb)	0	#VALUE!	#VALUE!	#VALUE!
MACT WWWW Shrinkage Controlled Resin Material Usage (ton)	-	#VALUE!	#VALUE!	#VALUE!



#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
311.01	0.00	0.00	0.00	0.00	0.00	0.00
1.52	-	-	-	-	-	-
#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
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#VALUE!	#VALUE!
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0.00	1244.04661
-	6.084
#VALUE!	#VALUE!
#VALUE!	#VALUE!

	VVVV Limit	Styrene Lin MMA Limit	WWWW Limit (lb/ton)
white	33%	31%	5% 267
Pigmented	33%	33%	10% 377
Clear	48%	33%	10% 522

ized SC VI.3.c

Styrene Emission Factor (lb/ton)	VOC emission factor (lb/ton)	Conversion lb to ton	CR/HS Resin	Non CR/HS Resin	Tooling Resin	Low-flame spread/low-smoke	Shrinkage controlled resin
233.70	233.70	0.0005	0	0	0	1	0
204.48	210.48	0.0005	0	0	0	1	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
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--	--	0.0005	0	0	0	0	0
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--	--	0.0005	0	0	0	0	0
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--	--	0.0005	0	0	0	0	0
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--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0
--	--	0.0005	0	0	0	0	0



	VVVV Limit	WWWW Limit (lb/ton)
CR/HS Resi	0.39	254
Non CR/HS	0.35	88
Tooling Re:	0.35	113
Low-flame	0.35	497
Shrinkage c	0.35	354

EUADHESIVEDISPING

Owosso Composite, LLC, Owosso, MI

YEAR

2022

VOC Emissions (lb)
VOC Emissions (ton)

Product Name	Product Name	Type	On Material Summ	Units
630852	SCIGrip SG300-05-OW - Off White Adhesive	Adhesive	YES	lb
628769	SCIGRIP SG605B-B Activator	Catalyst	YES	lb
655932	SCIGRIP SG305A Adhesive	Adhesive	YES	lb
690917	Reactive Tackifier NuTak BLU 046-4062	0	YES	lb
641685	CHL GL 2697 SEALER 4GL/CTN	Other-Non Co	YES	lb
567007	DBF 4OZ TUBE RED 50% BPO HARDENER LTD QTY	Catalyst	YES	lb
559036	DBF 4OZ TUBE WHITE BPO 50% HARDENER LTD QTY	Catalyst	YES	lb
628637	IPS SG300-15-OW OFF WHT 490ML30339/30339RIT	Adhesive	YES	lb
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January-22	February-22	March-22	April-22	May-22	June-22	July-22	August-22
0.03	0.01	0.01	0.04	0.07	0.01	0.00	0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	-

January-22	February-22	March-22	April-22	May-22	June-22	July-22	August-22
-	-	-	-	-	-	-	-
-	-	94.00	-	141.00	-	-	-
-	360.00	360.00	270.00	180.00	315.00	180.00	-
12.00	1.00	-	-	-	-	-	-
-	-	-	6.17	12.34	-	-	-
-	-	-	-	-	-	-	-
-	12.50	12.50	-	-	12.50	-	-
-	173.32	-	-	-	-	-	-



lb  
gal

sumes 0.5% of VOCs are emitted from MMA Adhesives

5%

SC VI.3.c

Organic HAP Content (wt%)	HAP Emission Factor (lb/ton)	VOC emission factor (%)	VOC emission factor (lb/ton)	Conversion lb to ton
0.3%	--	0.50%	7.90	0.0005
0	--	0.50%	0	0.0005
0.3%	--	0.50%	7.90	0.0005
0	--	0.50%	1,000.00	0.0005
0	--	0.50%	1,992.80	0.0005
0	--	0.50%	0	0.0005
0	--	0.50%	0	0.0005
0.3%	--	0.50%	7.90	0.0005
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**EU COATING LINE**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2022**

VOC Emissions (tc
General Use HAP (
General Use Solids
TPO HAP (lb)
TPO Solids (lb)
Automotive Lamp HA
Automotive Lamp Soli
Assembled On-road Vehic
Assembled on Road Vehicle

Product Number	Product Name	PPPP Category	Type	On Material Summ
689737	INT FV SIL95BE-40LE CLEAR ORTHO CASTING RESIN		Resin	YES
592459	Grey EZ sanding primer 707-061		0	YES
641523	AOC FV CT-11088 WHITE PIGMENT		0	YES
KPA0333	Paint, Med Gloss Black Urethane		Paint	YES
53-X145A	Catalyst, Component B for KPA01		Paint	YES
KPY0217	Paint, Yellow		Paint	YES
F63BXA432	Paint, Silver Bruinswick		Paint	YES
F63BXA432	Paint, Dark Gray Bruinswick		Paint	YES
F63BXL179	Paint, Blue Bruinswick		Paint	YES
CTC0073	Catalyst, Hardener		Paint	YES
V66V27	Catalyst, Polane B		Paint	YES
6637-R	Adhesive, Primer Pliogrip		Paint	YES
4402	Paint, Gloss Black Spray		Paint	YES
4087573	Paint, Red Spray		Paint	YES
547018	ITW GL DKM80700 STEEL BLUE LAYOUT FLUID DYKEM		0	YES
504902	PLE QT IP120 PC 120 PRIMER/ CONDITIONER LTD QTY		Other-Non Coa	YES
533074	UNI 1OZ FR-1 FADING RED DYE 180/CS NOT CERTIFIED MA		Other-Non Coa	YES
105435	CHL GL MPP 117 PRIMER		0	YES
51609	Clear Hi-Gloss Additive		0	YES
31353	RESIN dion 9300 fr		Resin	YES
583175	Resin Corve 8401		Resin	YES
102380	AOC FV CT-80041 JET BLACKPIGMENT		0	YES
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	January-22	February-22	March-22	April-22	May-22	June-22	July-22
on)	0	0	0	0.01	0	0	0
(lb)	0	0	0	0	0	0	0
(lb)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
AP (lb)	0	0	0	0	0	0	0
ids (lb)	0	0	0	0	0	0	0
le HAP (lb)	0	0	0	0	0	0	0
e Solids (lb)	0	0	0	0	0	0	0

Units	January-22	February-22	March-22	April-22	May-22	June-22	July-22
gal	-	-	-	4.34	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	7.56	3.78	7.56
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
gal	-	-	-	-	-	-	-
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gal	-	-	-	-	-	-	-
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August-22	September-22	October-22	November-22	December-22	Total
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SC VI.3.a

August-22	September-22	October-22	November-22	December-22	Total Usage 2022
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Density (lb/gal)
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9.23
9.17
9.41
9.57
7.20
8.84
8.84
7.17
6.76
8.67
7.29
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10.84
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lb		PPPP Organic HAP Limit (lb/lb of coating s
gal	General Use Coating	0.16
	Automotive Lamp Coating	0.45
	Thermoplastic Olefin Coating	0.26
	Assembled On-road Vehicle Coating	1.34

SC VI.3.b

SC VI.3.c

VOC Content (wt%)	Organic HAP Content (wt%)	Solids Content (wt%)	HAP Emission Factor (lb/gal)	VOC emission factor (lb/gal)	General Use	Automotive	TPO
39.0%	39.0%	61.0%	--	4.23	0	0	0
18.0%	18.0%	82.0%	--	2.13	0	0	0
0	0	100.0%	--	0	0	0	0
66.1%	0	33.9%	0	5.55	0	0	0
37.0%	0	63.0%	0	3.27	0	0	0
51.0%	0	49.0%	0	5.21	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
77.5%	0	22.5%	0	7.15	0	0	0
78.6%	0	21.4%	0	7.21	0	0	0
100.0%	0	0	0	9.41	0	0	0
40.3%	0	59.7%	0	3.86	0	0	0
66.5%	0	33.5%	0	4.79	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
39.0%	0	61.0%	0	3.45	0	0	0
93.2%	0	6.8%	--	6.69	0	0	0
100.0%	0	0	--	6.76	0	0	0
100.0%	0	0	--	8.67	0	0	0
91.1%	75.0%	8.9%	--	6.64	0	0	0
54.0%	36.0%	46.0%	--	4.73	0	0	0
53.0%	53.0%	47.0%	--	5.17	0	0	0
38.4%	38.4%	61.6%	--	4.16	0	0	0
0	0	100.0%	--	0	0	0	0
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**EUCLEANUP**

**Owosso Composite, LLC, Owosso, MI**

**YEAR**

**2022**

<b>VOC Emissions (</b>
<b>Acetone Emission</b>
<b>HAP Emissions (</b>

<b>Product Name</b>	<b>Product Name</b>	<b>Type</b>	<b>Boats/Parts</b>
40001	Acetone	Purge & Cleanup	
40001REC	Acetone Recyled	Purge & Cleanup	
528737	941-CJ-018 clear Patching Thinner	0	
534109	Clear Patching Thinner 963-CA-220	0	
574675	Denatured Alcohol - PC-1010	Other-Non Coating	
654063	PPC FV ISOPROPYL ALCOHOL 99% 5 GL/PAIL	0	
512587	502 TR Wax Build Up Remoer	Mold Release	
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	January-22	February-22	March-22	April-22	May-22	June-22	July-22
(ton)	0.02	0.03	0	0.03	0.04	0.02	0.03
s (ton)	(1.04)	0.29	(1.14)	(1.14)	(1.19)	1.47	(1.04)
(ton)	0	0	0	0	0	0	0

On Material Summ	Units	January-22	February-22	March-22	April-22	May-22	June-22	July-22
YES	lb	1,460	2,555.00	4,745	3,650	3,650	5,110.00	6,205
YES	lb	(2,075.85)	(1,977.00)	(2,273.55)	(2,273.55)	(2,372.40)	(2,174.70)	(2,075.85)
YES	lb	-	-	-	-	18.00	-	-
YES	lb	-	-	-	-	-	-	-
YES	lb	32.95	65.90	-	65.90	-	32.95	65.90
YES	lb	-	-	-	-	65.90	-	-
YES	lb	-	-	-	-	-	-	-



<b>August-22</b>	<b>September-22</b>	<b>October-22</b>	<b>November-22</b>	<b>December-22</b>	<b>Total</b>
<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.17</b>
<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(3.78)</b>
<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**SC VI.3.b**

<b>August-22</b>	<b>September-22</b>	<b>October-22</b>	<b>November-22</b>	<b>December-22</b>	<b>Total Usage 2022</b>
					7,665.00
					(15,222.90)
					18.00
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					263.60
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Parts lb WWWW HAP Limit  
Boats gal aning Solvents 0

SC VI.3.b

Density (lb/gal)	Acetone Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	Conversion lb to ton	Boats	Parts
6.59	100.0%	0	0.0%	0.0005	-	-
6.59	100.0%	0	0.0%	0.0005	-	-
8.34	0	62.0%	61.0%	0.0005	-	-
8.70	0	57.6%	56.6%	0.0005	-	-
6.59	0	100.0%	5.2%	0.0005	-	-
6.59	0	100.0%	0.0%	0.0005	-	-
8.34	0	63.0%	2.0%	0.0005	-	-
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**EUMOLDRELEASE**

Owosso Composite, LLC, Owosso, MI

YEAR

2022

VOC Emissions (
Acetone Emission
HAP Emissions (

Product Name	Product Name	Type	Boats/Parts
50911	905 TR Mold Prep Cleaner	Purge & Cleanup	
553587	955 EZ Wipe II Semi Perm Release - Mold Release	Mold Release	
50912	MR 910/910FD TR 910 FD Mold Release	Mold Release	
38060G	970C949 8% Wax solution	0	
50521	TRI TR-104 HI TEMP MOLD REL 14OZ 12CANS/CS MR104	Mold Release	
214551	HKL FV FREKOTE 770NC MOLD REL 420423 5GL PAIL	Mold Release	
576670	CHL GL R&B EZ SEMI PERM RELEASE AGENT	Mold Release	
540104	CHL GL FZ5RSG014 FLEX-Z #5 HI SLIP MOLD RELEASE 4/CS	Mold Release	
216566	3MC 05928 QT MACHINE POLISH 7100061951 FINESSE-IT	Other-Non Coating	
50523	TR Mold Release TR-214	Mold Release	
50522	TR-210 Mold Release	Mold Release	
560310	CHL GL MPP2180 MOLD PREP &PRIMER	Mold Release	
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August-22	September-22	October-22	November-22	December-22	Total
0	0	0	0	0	0.25
0	0	0	0	0	0
0	0	0	0	0	0

**SC VI.3.b**

August-22	September-22	October-22	November-22	December-22	Total Usage 2022
					228.36
					175.45
					25.16
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					31.50
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Parts lb WWWW HAP Limit  
Boats gal aning Solvents 0

SC VI.3.b

Density (lb/gal)	Acetone Content (wt%)	VOC Content (wt%)	Organic HAP Content (wt%)	Conversion lb to ton	Boats	Parts
6.92	0	100.0%	52.0%	0.0005	-	-
6.05	0	99.4%	0.0%	0.0005	-	-
6.29	0	99.3%	0.0%	0.0005	-	-
7.48	0	92.0%	92.0%	0.0005	-	-
8.34	0	85.0%	0.0%	0.0005	-	-
6.00	0	1.0%	0.0%	0.0005	-	-
6.34	0	97.5%	0.0%	0.0005	-	-
5.75	0	99.9%	0.0%	0.0005	-	-
8.59	0	14.1%	0.0%	0.0005	-	-
8.34	0	100.0%	1.0%	0.0005	-	-
7.26	0	82.5%	75.5%	0.0005	-	-
7.01	0	85.3%	61.0%	0.0005	-	-
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**Hazardous Air Pollutant (HAP) List**

## National Composites

CAS #	NAME
79345	1,1,2,2-Tetrachloroethane
79005	1,1,2-Trichloroethane
57147	1,1-Dimethylhydrazine
120821	1,2,4-Trichlorobenzene
96128	1,2-Dibromo-3-chloropropane
122667	1,2-Diphenylhydrazine
106887	1,2-Epoxybutane
75558	1,2-Propylenimine
106990	1,3-Butadiene
542756	1,3-Dichloropropene
1120714	1,3-Propane sultone
106467	1,4-Dichlorobenzene
123911	1,4-Dioxane
540841	2,2,4-Trimethylpentane
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
94757	2,4-D, salts and esters
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
584849	2,4-Toluene diisocyanate
53963	2-Acetylaminofluorene
532274	2-Chloroacetophenone
79469	2-Nitropropane
91941	3,3'-Dichlorobenzidene
119904	3,3'-Dimethoxybenzidine
119937	3,3-Dimethylbenzidine
101144	4,4'-Methylene bis(2-chloroaniline)
101779	4,4'-Methylenedianiline
534521	4,6-Dinitro-o-cresol, and salts
92671	4-Aminobiphenyl
60117	4-Dimethylaminoazobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
107028	Acrolein

**Hazardous Air Pollutant (HAP) List**

## National Composites

79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
62533	Aniline
7440360	Antimony compounds
7440382	Arsenic compounds
1332214	Asbestos
71432	Benzene
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chloride
7440417	Beryllium compounds
57578	beta-Propiolactone
92524	Biphenyl
117817	bis(2-Ethylhexyl)phthalate (DEHP)
542881	bis(Chloromethyl)ether
75252	Bromoform
7440439	Cadmium compounds
156627	Calcium cyanamide
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
7440473	Chromium compounds
7440484	Cobalt compounds
Coke	Coke oven emissions
1319773	Cresols/cresylic acid
98828	Cumene
Cyanide	Cyanide compounds
72559	DDE (p,p'-DDE)
334883	Diazomethane
132649	Dibenzofuran
84742	Dibutyl phthalate

**Hazardous Air Pollutant (HAP) List**

## National Composites

111444	Dichloroethyl ether
62737	Dichlorvos
111422	Diethanolamine
64675	Diethyl sulfate
68122	Dimethyl formamide
131113	Dimethyl phthalate
77781	Dimethyl sulfate
79447	Dimethylcarbamoyl chloride
106898	Epichlorohydrin
140885	Ethyl acrylate
51796	Ethyl carbamate
75003	Ethyl chloride
100414	Ethylbenzene
106934	Ethylene dibromide
107062	Ethylene dichloride
107211	Ethylene glycol
151564	Ethylene imine
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride
ASB	Fine mineral fibers
50000	Formaldehyde
GE	Glycol ethers
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride
123319	Hydroquinone
78591	Isophorone
7439921	Lead compounds
58899	Lindane
108316	Maleic anhydride
7439965	Manganese compounds
108394	m-Cresol
7439976	Mercury compounds
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide

**Hazardous Air Pollutant (HAP) List**

## National Composites

74873	Methyl chloride
71556	Methyl chloroform
60344	Methyl hydrazine
74884	Methyl iodide
108101	Methyl isobutyl ketone
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert-butyl ether
75092	Methylene chloride
101688	Methylene diphenyl diisocyanate
108383	m-Xylene
121697	N,N-Dimethylaniline
91203	Naphthalene
7440020	Nickel compounds
98953	Nitrobenzene
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
684935	N-Nitroso-N-methylurea
90040	o-Anisidine
95487	o-Cresol
95534	o-Toluidine
95476	o-Xylene
56382	Parathion
106445	p-Cresol
82688	Pentachloronitrobenzene
87865	Pentachlorophenol
108952	Phenol
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls
POM	Polycyclic organic matter
106503	p-Phenylenediamine
123386	Propionaldehyde
114261	Propoxur
78875	Propylene dichloride
75569	Propylene oxide
106423	p-Xylene
91225	Quinoline
106514	Quinone
RAD	Radionuclides
7782492	Selenium compounds
100425	Styrene
96093	Styrene oxide

**Hazardous Air Pollutant (HAP) List**

## National Composites

127184	Tetrachloroethylene
7550450	Titanium tetrachloride
108883	Toluene
95807	Toluene-2,4-diamine
8001352	Toxaphene
79016	Trichloroethylene
121448	Triethylamine
1582098	Trifluralin
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride
1330207	Xylenes

***Delisted***

78933	Methyl ethyl ketone
111762	butyl cellosolve

**Hazardous Air Pollutant (HAP) List**  
National Composites



**Hazardous Air Pollutant (HAP) List**  
National Composites



**Hazardous Air Pollutant (HAP) List**  
National Composites

Triethylamine  
1582098

Trifluralin  
540841

2,2,4-Trimethylpentane  
108054

Vinyl acetate  
593602

Vinyl bromide  
75014

Vinyl chloride  
75354

Vinylidene chloride (1,1-Dichloroethylene)  
1330207

Xylenes (isomers and mixture)  
95476

o-Xylenes  
108383





**Hazardous Air Pollutant (HAP) List**

National Composites

m-Xylenes

106423

p-Xylenes

N010

Antimony Compounds

N020

Arsenic Compounds (inorganic including arsine)

N050

Beryllium Compounds

5

6

CAS No

Chemical name

N078

Cadmium Compounds

N090

Chromium Compounds

N096

Cobalt Compounds

N106

Cyanide compounds

N230

Glycol ethers

N420

Lead Compounds

N450

Manganese Compounds

N458

Mercury Compounds

N495

Nickel Compounds



(inorganic including arsine)
(including benzene from gasoline)
(isomers and mixture)
CAS# 3547044 in original list



(bis(2-Chloroethyl)ether)
(l-Chloro-2,3-epoxypropane)
(Urethane)
(Chloroethane)
(Dibromoethane)
(1,2-Dichloroethane)
(Aziridine)
(1,1-Dichloroethane)
not including (EGBE, butyl cellosolve CAS # 111762), which was delisted 11/29/04)
(n-Hexane)
(Hydrofluoric acid)
(all isomers)
(cresol isomer)
(Bromomethane)



(Chloromethane)
(1,1,1-Trichloroethane)
(Iodomethane)
(Hexone)
(MTBE)
(Dichloromethane)
(MDI) - Current candidate for delisting
(xylene isomer)
(cresol isomer)
(xylene isomer)
(cresol isomer)
(Quintobenzene)
(Aroclors)
(includes dioxins and furans)
(Baygon)
(1,2-Dichloropropane)
(xylene isomer)
(including radon)



(Perchloroethylene)
(chlorinated camphene)
(1,1-Dichloroethylene)
(isomers and mixture)

(2-Butanone) - Delisted 12/13/05
Glycol Ether - delisted 11/29/2004



<b>CAS/ 313 Category Codes</b>	<b>NAME</b>
NA	--Except Barium Sulfate (under 313)
NA	Chlordane (Technical Mixture and Metabolites)
NA	Chlorinated Benzenes
NA	Chlorinated Ethanes
NA	Chlorinated Naphthalene
NA	Chloroalkyl Ethers
NA	Coke Oven Emissions
NA	--Except copper phthalocyanine compounds (under 313)
NA	--Except C.I. Pigment Blue 15 (under 313)
NA	--Except C.I. Pigment Green 7 (under 313)
NA	--Except C.I. Pigment Green 36 (under 313)
NA	DDT and Metabolites
NA	Dichlorobenzidine
NA	Diphenylhydrazine
NA	Endosulfan and Metabolites
NA	Endrin and Metabolites
NA	Fine mineral fibers
NA	Haloethers
NA	Halomethanes
NA	Heptachlor and Metabolites
NA	Nitrophenols
NA	Nitrosamines
NA	Organorhodium Complex (PMN-82-147)
NA	Phthalate Esters
NA	Polycyclic organic matter
NA	Polynuclear Aromatic Hydrocarbons
50000	Formaldehyde
50000	Formaldehyde (solution)
50077	Mitomycin C
50146	Ergocalciferol
50180	Cyclophosphamide
50293	DDT
50328	Benzo[a]pyrene
50555	Reserpine
51036	Piperonyl butoxide
51218	Fluorouracil
51218	5-Fluorouracil
51285	2,4-Dinitrophenol
51434	Epinephrine
51752	2-Chloro-N-(2-chloroethyl)-N-methylethanamine
51752	Mechlorethamine
51752	Nitrogen mustard
51796	Carbamic acid, ethyl ester
51796	Ethyl carbamate
51796	Urethane
51832	Carbachol chloride
52686	Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-,dimethyl es

52686	Trichlorfon
52857	Famphur
53703	Dibenz[a,h]anthracene
53963	2-Acetylaminofluorene
54115	Nicotine
54115	Nicotine and salts
54115	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-
54626	Aminopterin
55185	N-Nitrosodiethylamine
55210	Benzamide
55389	O,O-Dimethyl O-(3-methyl-4-(methylthio) phenyl) ester, phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
55389	Fenthion
55630	Nitroglycerin
55914	Diisopropylfluorophosphate
55914	Isofluorphate
56042	Methylthiouracil
56235	Carbon tetrachloride
56257	Cantharidin
56359	Bis(tributyltin) oxide
56382	Parathion
56382	Phosphorothioic acid, O,O-diethyl-O-(4-nitrophenyl) ester
56495	3-Methylcholanthrene
56531	Diethylstilbestrol
56553	Benz[a]anthracene
56724	Coumaphos
57125	Cyanides (soluble salts and complexes)
57147	1,1-Dimethyl hydrazine
57147	Dimethylhydrazine
57147	Hydrazine, 1,1-dimethyl-
57249	Strychnine
57249	Strychnine, and salts
57330	Pentobarbital sodium
57410	Phenytoin
57476	Physostigmine
57578	beta-Propiolactone
57647	Physostigmine, salicylate (1:1)
57749	Chlordane
57749	4,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a
57976	7,12-Dimethylbenz[a]anthracene
58366	Phenoxarsine, 10,10'-oxydi-
58899	Cyclohexane, 1,2,3,4,5,6-hexachloro-,(1.alpha.,2.alpha.,3.beta.)
58899	Hexachlorocyclohexane (gamma isomer)
58899	Lindane
58902	2,3,4,6-Tetrachlorophenol
59507	p-Chloro-m-cresol
59881	Phenylhydrazine hydrochloride
59892	N-Nitrosomorpholine
60004	Ethylenediamine-tetraacetic acid (EDTA)



60093	4-Aminoazobenzene
60117	4-Dimethylaminoazobenzene
60117	Dimethylaminoazobenzene
60297	Ethane, 1,1'-oxybis-
60297	Ethyl ether
60344	Hydrazine, methyl-
60344	Methyl hydrazine
60355	Acetamide
60413	Strychnine, sulfate
60515	Dimethoate
60571	Dieldrin
61825	Amitrole
62384	Phenylmercuric acetate
62384	Phenylmercury acetate
62442	Phenacetin
62500	Ethyl methanesulfonate
62533	Aniline
62555	Thioacetamide
62566	Thiourea
62737	Dichlorvos
62737	Phosphoric acid, 2-dichloroethenyl dimethyl ester
62748	Fluoroacetic acid, sodium salt
62748	Sodium fluoroacetate
62759	Methanamine, N-methyl-N-nitroso-
62759	N-Nitrosodimethylamine
62759	Nitrosodimethylamine
63252	Carbaryl
63252	1-Naphthalenol, methylcarbamate
64006	Phenol, 3-(1-methylethyl)-, methylcarbamate
64186	Formic acid
64197	Acetic acid
64675	Diethyl sulfate
64755	Tetracycline hydrochloride
64868	Colchicine
65305	Nicotine sulfate
65850	Benzoic acid
66751	Uracil mustard
66819	Cycloheximide
67561	Methanol
67630	Isopropyl alcohol (mfg-strong acid process)
67641	Acetone
67663	Chloroform
67663	Methane, trichloro-
67721	Hexachloroethane
68122	Dimethylformamide
68122	N,N-Dimethylformamide
68768	2,5-Cyclohexadiene-1,4-dione, 2,3,5-tris(1-aziridinyl)-
68768	Triaziquone

70257	Guanidine, N-methyl-N'-nitro-N-nitroso-
70304	Hexachlorophene
70699	Propiophenone, 4'-amino
71363	n-Butyl alcohol
71432	Benzene
71556	Methyl chloroform
71556	1,1,1-Trichloroethane
71636	Digitoxin
72208	Endrin
72435	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis [4-methoxy-
72435	Methoxychlor
72548	DDD
72559	DDE
72571	Trypan blue
74828	Methane
74839	Bromomethane
74839	Methyl bromide
74840	Ethane
74851	Ethene
74851	Ethylene
74862	Acetylene
74862	Ethyne
74873	Chloromethane
74873	Methane, chloro-
74873	Methyl chloride
74884	Methyl iodide
74895	Methanamine
74895	Monomethylamine
74908	Hydrocyanic acid
74908	Hydrogen cyanide
74931	Methanethiol
74931	Methyl mercaptan
74931	Thiomethanol
74953	Methylene bromide
74986	Propane
74997	1-Propyne
74997	Propyne
75003	Chloroethane
75003	Ethane, chloro-
75003	Ethyl chloride
75014	Ethene, chloro-
75014	Vinyl chloride
75025	Ethene, fluoro-
75025	Vinyl fluoride
75047	Ethanamine
75047	Monoethylamine
75058	Acetonitrile
75070	Acetaldehyde

75081	Ethanethiol
75081	Ethyl mercaptan
75092	Dichloromethane
75092	Methylene chloride
75150	Carbon disulfide
75194	Cyclopropane
75207	Calcium carbide
75218	Ethylene oxide
75218	Oxirane
75252	Bromoform
75252	Tribromomethane
75274	Dichlorobromomethane
75285	Isobutane
75285	Propane, 2-methyl
75296	Isopropyl chloride
75296	Propane, 2-chloro-
75310	Isopropylamine
75310	2-Propanamine
75343	1,1-Dichloroethane
75343	Ethylidene Dichloride
75354	1,1-Dichloroethylene
75354	Ethene, 1,1-dichloro-
75354	Vinylidene chloride
75365	Acetyl chloride
75376	Difluoroethane
75376	Ethane, 1,1-difluoro-
75387	Ethene, 1,1-difluoro-
75387	Vinylidene fluoride
75434	Dichlorofluoromethane
75434	HCFC-21
75445	Carbonic dichloride
75445	Phosgene
75456	Chlorodifluoromethane
75456	HCFC-22
75503	Methanamine, N,N-dimethyl-
75503	Trimethylamine
75558	Aziridine, 2-methyl
75558	Propyleneimine
75569	Oxirane, methyl-
75569	Propylene oxide
75605	Cacodylic acid
75638	Bromotrifluoromethane
75638	Halon 1301
75649	tert-Butylamine
75650	tert-Butyl alcohol
75683	1-Chloro-1,1-difluoroethane
75683	HCFC-142b
75694	CFC-11

75694	Trichlorofluoromethane
75694	Trichloromonofluoromethane
75718	CFC-12
75718	Dichlorodifluoromethane
75729	CFC-13
75729	Chlorotrifluoromethane
75741	Plumbane, tetramethyl-
75741	Tetramethyllead
75763	Silane, tetramethyl-
75763	Tetramethylsilane
75774	Silane, chlorotrimethyl-
75774	Trimethylchlorosilane
75785	Dimethyldichlorosilane
75785	Silane, dichlorodimethyl-
75796	Methyltrichlorosilane
75796	Silane, trichloromethyl-
75865	Acetone cyanohydrin
75865	2-Methylactonitrile
75876	Acetaldehyde, trichloro-
75887	2-Chloro-1,1,1-trifluoroethane
75887	HCFC-133a
75990	2,2-Dichloropropionic acid
76017	Pentachloroethane
76028	Trichloroacetyl chloride
76062	Chloropicrin
76131	Ethane, 1,1,2-trichloro-1,2,2,-trifluoro-
76131	Freon 113
76142	CFC-114
76142	Dichlorotetrafluoroethane
76153	CFC-115
76153	Monochloropentafluoroethane
76448	Heptachlor
76448	1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-
76879	Triphenyltin hydroxide
77474	Hexachlorocyclopentadiene
77736	Dicyclopentadiene
77781	Dimethyl sulfate
77816	Tabun
78002	Tetraethyl lead
78342	Dioxathion
78488	DEF
78488	S,S,S-Tributyltrithiophosphate
78535	Amiton
78591	Isophorone
78717	Oxetane, 3,3-bis(chloromethyl)-
78784	Butane, 2-methyl-
78784	Isopentane
78795	1,3-Butadiene, 2-methyl-

78795	Isoprene
78819	iso-Butylamine
78820	Isobutyronitrile
78820	Propanenitrile, 2-methyl-
78831	Isobutyl alcohol
78842	Isobutyraldehyde
78875	1,2-Dichloropropane
78875	Propane 1,2-dichloro-
78886	2,3-Dichloropropene
78922	sec-Butyl alcohol
78933	Methyl ethyl ketone
78933	Methyl ethyl ketone (MEK)
78944	Methyl vinyl ketone
78977	Lactonitrile
78999	1,1-Dichloropropane
79005	1,1,2-Trichloroethane
79016	Trichloroethylene
79061	Acrylamide
79094	Propionic acid
79107	Acrylic acid
79118	Chloroacetic acid
79196	Thiosemicarbazide
79210	Ethaneperoxoic acid
79210	Peracetic acid
79221	Carbonochloridic acid, methylester
79221	Methyl chlorocarbonate
79221	Methyl chloroformate
79312	iso-Butyric acid
79345	1,1,2,2-Tetrachloroethane
79389	Ethene, chlorotrifluoro-
79389	Trifluorochloroethylene
79447	Dimethylcarbamyl chloride
79469	2-Nitropropane
79947	Tetrabromobisphenol A
80057	4,4'-Isopropylidenediphenol
80159	Cumene hydroperoxide
80159	Hydroperoxide, 1-methyl-1-phenylethyl-
80626	Methyl methacrylate
80637	Methyl 2-chloroacrylate
81072	Saccharin (manufacturing)
81072	Saccharin and salts
81812	Warfarin
81812	Warfarin, & salts, conc.>0.3%
81889	C.I. Food Red 15
82280	1-Amino-2-methylantraquinone
82666	Diphacinone
82688	PCNB
82688	Pentachloronitrobenzene

82688	Quintozene
83329	Acenaphthene
84662	Diethyl phthalate
84742	n-Butyl phthalate
84742	Dibutyl phthalate
85007	Diquat
85018	Phenanthrene
85449	Phthalic anhydride
85687	Butyl benzyl phthalate
86306	N-Nitrosodiphenylamine
86500	Azinphos-methyl
86500	Guthion
86737	Fluorene
86884	ANTU
86884	Thiourea, 1-naphthalenyl-
87627	2,6-Xylidine
87650	2,6-Dichlorophenol
87683	Hexachloro-1,3-butadiene
87683	Hexachlorobutadiene
87865	PCP
87865	Pentachlorophenol
88051	Aniline, 2,4,6-trimethyl-
88062	2,4,6-Trichlorophenol
88722	o-Nitrotoluene
88755	2-Nitrophenol
88857	Dinitrobutyl phenol
88857	Dinoseb
88891	Picric acid
90040	o-Anisidine
90437	2-Phenylphenol
90948	Michler's ketone
91087	Benzene, 1,3-diisocyanato-2-methyl-
91087	Toluene-2,6-diisocyanate
91203	Naphthalene
91225	Quinoline
91587	2-Chloronaphthalene
91598	beta-Naphthylamine
91667	N,N-Diethylaniline
91805	Methapyrilene
91930	3,3'-Dimethoxybenzidine-4,4'-diisocyanate
91941	3,3'-Dichlorobenzidine
91974	3,3'-Dimethyl-4,4'-diphenylene diisocyanate
92524	Biphenyl
92671	4-Aminobiphenyl
92875	Benzidine
92933	4-Nitrobiphenyl
93652	Mecoprop
93721	Silvex (2,4,5-TP)

93765	2,4,5-T acid
93798	2,4,5-T esters
94111	2,4-D Esters
94111	2,4-D isopropyl ester
94360	Benzoyl peroxide
94586	Dihydrosafrole
94597	Safrole
94746	(4-Chloro-2-methylphenoxy) acetic acid
94746	MCPA
94746	Methoxone
94757	Acetic acid, (2,4-dichlorophenoxy)-
94757	2,4-D
94757	2,4-D Acid
94757	2,4-D, salts and esters
94791	2,4-D Esters
94804	2,4-D butyl ester
94804	2,4-D Esters
94826	2,4-DB
95476	Benzene, o-dimethyl-
95476	o-Xylene
95487	o-Cresol
95501	o-Dichlorobenzene
95501	1,2-Dichlorobenzene
95534	o-Toluidine
95545	1,2-Phenylenediamine
95578	2-Chlorophenol
95636	1,2,4-Trimethylbenzene
95692	p-Chloro-o-toluidine
95807	2,4-Diaminotoluene
95943	1,2,4,5-Tetrachlorobenzene
95954	2,4,5-Trichlorophenol
96093	Styrene oxide
96128	DBCP
96128	1,2-Dibromo-3-chloropropane
96184	1,2,3-Trichloropropane
96333	Methyl acrylate
96457	Ethylene thiourea
97234	Dichlorophene
97234	2,2'-Methylenebis(4-chlorophenol
97563	C.I. Solvent Yellow 3
97632	Ethyl methacrylate
98011	Furfural
98055	Benzenearsonic acid
98077	Benzoic trichloride
98077	Benzotrichloride
98099	Benzenesulfonyl chloride
98135	Trichlorophenylsilane
98168	Benzenamine, 3-(trifluoromethyl)-

98828	Cumene
98862	Acetophenone
98873	Benzal chloride
98884	Benzoyl chloride
98953	Nitrobenzene
99081	m-Nitrotoluene
99309	Dichloran
99309	2,6-Dichloro-4-nitroaniline
99354	1,3,5-Trinitrobenzene
99558	5-Nitro-o-toluidine
99592	5-Nitro-o-anisidine
99650	m-Dinitrobenzene
99989	Dimethyl-p-phenylenediamine
99990	p-Nitrotoluene
100016	p-Nitroaniline
100027	4-Nitrophenol
100027	p-Nitrophenol
100141	Benzene, 1-(chloromethyl)-4-nitro-
100254	p-Dinitrobenzene
100414	Ethylbenzene
100425	Styrene
100447	Benzyl chloride
100470	Benzonitrile
100754	N-Nitrosopiperidine
101053	Anilazine
101053	4,6-Dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine
101144	MBOCA
101144	4,4'-Methylenebis(2-chloroaniline)
101279	Barban
101553	4-Bromophenyl phenyl ether
101611	4,4'-Methylenebis(N,N-dimethyl)benzenamine
101688	MDI
101688	Methylenebis(phenylisocyanate)
101779	4,4'-Methylenedianiline
101804	4,4'-Diaminodiphenyl ether
101906	Diglycidyl resorcinol ether
102363	Isocyanic acid, 3,4-dichlorophenyl ester
103855	Phenylthiourea
104121	p-Chlorophenyl isocyanate
104494	1,4-Phenylene diisocyanate
104949	p-Anisidine
105464	sec-Butyl acetate
105679	2,4-Dimethylphenol
106423	Benzene, p-dimethyl-
106423	p-Xylene
106445	p-Cresol
106467	1,4-Dichlorobenzene
106478	p-Chloroaniline



106490	p-Toluidine
106503	p-Phenylenediamine
106514	p-Benzoquinone
106514	Quinone
106887	1,2-Butylene oxide
106898	Epichlorohydrin
106898	Oxirane, (chloromethyl)-
106934	1,2-Dibromoethane
106934	Ethylene dibromide
106967	Propargyl bromide
106978	Butane
106989	1-Butene
106990	1,3-Butadiene
107006	1-Butyne
107006	Ethyl acetylene
107017	2-Butene
107028	Acrolein
107028	2-Propenal
107051	Allyl chloride
107062	1,2-Dichloroethane
107062	Ethylene dichloride
107073	Chloroethanol
107108	n-Propylamine
107119	Allylamine
107119	2-Propen-1-amine
107120	Ethyl cyanide
107120	Propanenitrile
107120	Propionitrile
107131	Acrylonitrile
107131	2-Propenenitrile
107153	1,2-Ethanediamine
107153	Ethylenediamine
107164	Formaldehyde cyanohydrin
107186	Allyl alcohol
107186	2-Propen-1-ol
107197	Propargyl alcohol
107200	Chloroacetaldehyde
107211	Ethylene glycol
107255	Ethene, methoxy-
107255	Vinyl methyl ether
107302	Chloromethyl methyl ether
107302	Methane, chloromethoxy-
107313	Formic acid, methyl ester
107313	Methyl formate
107448	Sarin
107493	TEPP
107493	Tetraethyl pyrophosphate
107926	Butyric acid

108054	Acetic acid ethenyl ester
108054	Vinyl acetate
108054	Vinyl acetate monomer
108101	Methyl isobutyl ketone
108236	Carbonochloridic acid, 1-methylethyl ester
108236	Isopropyl chloroformate
108247	Acetic anhydride
108316	Maleic anhydride
108383	Benzene, m-dimethyl-
108383	m-Xylene
108394	m-Cresol
108452	1,3-Phenylenediamine
108463	Resorcinol
108601	Bis(2-chloro-1-methylethyl)ether
108601	Dichloroisopropyl ether
108883	Toluene
108907	Chlorobenzene
108918	Cyclohexanamine
108918	Cyclohexylamine
108930	Cyclohexanol
108941	Cyclohexanone
108952	Phenol
108985	Benzenethiol
108985	Thiophenol
109068	2-Methylpyridine
109068	2-Picoline
109615	Carbonochloridic acid, propylester
109615	Propyl chloroformate
109660	Pentane
109671	1-Pentene
109739	Butylamine
109773	Malononitrile
109864	2-Methoxyethanol
109897	Diethylamine
109922	Ethene, ethoxy-
109922	Vinyl ethyl ether
109955	Ethyl nitrite
109955	Nitrous acid, ethyl ester
109999	Furan, tetrahydro-
110009	Furan
110167	Maleic acid
110178	Fumaric acid
110190	iso-Butyl acetate
110543	Hexane
110543	n-Hexane
110576	trans-1,4-Dichloro-2-butene
110576	trans-1,4-Dichlorobutene
110758	2-Chloroethyl vinyl ether

110805	Ethanol, 2-ethoxy-
110805	2-Ethoxyethanol
110827	Cyclohexane
110861	Pyridine
110894	Piperidine
111422	Diethanolamine
111444	Bis(2-chloroethyl) ether
111444	Dichloroethyl ether
111546	Ethylenebisdithiocarbamic acid, salts & esters
111693	Adiponitrile
111911	Bis(2-chloroethoxy) methane
114261	Phenol, 2-(1-methylethoxy)-, methylcarbamate
114261	Propoxur
115026	Azaserine
115071	Propene
115071	1-Propene
115071	Propylene
115106	Methane, oxybis-
115106	Methyl ether
115117	2-Methylpropene
115117	1-Propene, 2-methyl-
115219	Trichloroethylsilane
115264	Dimefox
115286	Chlorendic acid
115297	Endosulfan
115322	Benzenemethanol, 4-chloro-.alpha.-4-chlorophenyl)-.alpha.-(t
115322	Dicofol
115902	Fensulfothion
116063	Aldicarb
116143	Ethene, tetrafluoro-
116143	Tetrafluoroethylene
117793	2-Aminoanthraquinone
117806	Dichlone
117817	Bis(2-ethylhexyl)phthalate
117817	DEHP
117817	Di(2-ethylhexyl) phthalate
117840	Di-n-octyl phthalate
117840	n-Dioctylphthalate
118741	Hexachlorobenzene
119380	Isopropylmethylpyrazolyl dimethylcarbamate
119904	3,3'-Dimethoxybenzidine
119937	3,3'-Dimethylbenzidine
119937	o-Tolidine
120127	Anthracene
120365	2,4-DP
120581	Isosafrole
120718	p-Cresidine
120809	Catechol

120821	1,2,4-Trichlorobenzene
120832	2,4-Dichlorophenol
121142	2,4-Dinitrotoluene
121211	Pyrethrins
121299	Pyrethrins
121448	Triethylamine
121697	N,N-Dimethylaniline
121755	Malathion
122098	Benzeneethanamine, alpha,alpha-dimethyl-
122349	Simazine
122394	Diphenylamine
122429	Propham
122667	1,2-Diphenylhydrazine
122667	Hydrazine, 1,2-diphenyl-
122667	Hydrazobenzene
123319	Hydroquinone
123331	Maleic hydrazide
123386	Propionaldehyde
123615	1,3-Phenylene diisocyanate
123626	Propionic anhydride
123637	Paraldehyde
123728	Butyraldehyde
123739	2-Butenal, (e)-
123739	Crotonaldehyde, (E)-
123864	Butyl acetate
123911	1,4-Dioxane
123922	iso-Amyl acetate
124049	Adipic acid
124403	Dimethylamine
124403	Methanamine, N-methyl-
124414	Sodium methylate
124481	Chlorodibromomethane
124652	Sodium cacodylate
124732	Dibromotetrafluoroethane
124732	Halon 2402
124878	Picrotoxin
126727	Tris(2,3-dibromopropyl) phosphate
126987	Methacrylonitrile
126987	2-Propenenitrile, 2-methyl-
126998	Chloroprene
127184	Perchloroethylene
127184	Tetrachloroethylene
127822	Zinc phenolsulfonate
128030	Potassium dimethyldithiocarbamate
128041	Sodium dimethyldithiocarbamate
128665	C.I. Vat Yellow 4
129000	Pyrene
129066	Warfarin sodium

130154	1,4-Naphthoquinone
131113	Dimethyl phthalate
131522	Sodium pentachlorophenate
131748	Ammonium picrate
131895	2-Cyclohexyl-4,6-dinitrophenol
132274	Sodium o-phenylphenoxide
132649	Dibenzofuran
133062	Captan
133062	1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloro
133073	Folpet
133904	Benzoic acid, 3-amino-2,5-dichloro-
133904	Chloramben
134292	o-Anisidine hydrochloride
134327	alpha-Naphthylamine
135206	Benzeneamine, N-hydroxy-N-nitroso, ammonium salt
135206	Cupferron
136458	Dipropyl isocinchomeronate
137268	Thiram
137304	Ziram
137417	Potassium N-methyldithiocarbamate
137428	Metham sodium
137428	Sodium methyldithiocarbamate
138932	Disodium cyanodithioimidocarbonate
139139	Nitrilotriacetic acid
139253	3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate
139651	4,4'-Thiodianiline
140294	Benzyl cyanide
140761	Pyridine, 2-methyl-5-vinyl-
140885	Ethyl acrylate
141322	Butyl acrylate
141662	Dicrotophos
141786	Ethyl acetate
142289	1,3-Dichloropropane
142596	Nabam
142712	Cupric acetate
142847	Dipropylamine
143339	Sodium cyanide (Na(CN))
143500	Kepone
144490	Fluoroacetic acid
145733	Endothall
148798	Thiabendazole
148798	2-(4-Thiazolyl)-1H-benzimidazole
148823	Melphalan
149304	MBT
149304	2-Mercaptobenzothiazole
149746	Dichloromethylphenylsilane
150505	Merphos
150685	Monuron

151382	Methoxyethylmercuric acetate
151508	Potassium cyanide
151564	Aziridine
151564	Ethyleneimine
152169	Diphosphoramidate, octamethyl-
156105	p-Nitrosodiphenylamine
156605	1,2-Dichloroethylene
156627	Calcium cyanamide
189559	Benzo(rst)pentaphene
189559	Dibenz[a,i]pyrene
189640	Dibenzo(a,h)pyrene
191242	Benzo[g,h,i]perylene
191300	Dibenzo(a,l)pyrene
192654	Dibenzo(a,e)pyrene
193395	Indeno(1,2,3-cd)pyrene
194592	7H-Dibenzo(c,g)carbazole
205823	Benzo(j)fluoranthene
205992	Benzo[b]fluoranthene
206440	Fluoranthene
207089	Benzo(k)fluoranthene
208968	Acenaphthylene
218019	Benzo(a)phenanthrene
218019	Chrysene
224420	Dibenz(a,j)acridine
225514	Benzo[c]acridine
226368	Dibenz(a,h)acridine
297789	Isobenzan
297972	O,O-Diethyl O-pyrazinyl phosphorothioate
297972	Thionazin
298000	Methyl parathion
298000	Parathion-methyl
298022	Phorate
298044	Disulfoton
300629	Amphetamine
300765	Naled
301042	Lead acetate
301122	S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl ester phosphorothioic acid
301122	Oxydemeton methyl
302012	Hydrazine
303344	Lasiocarpine
305033	Chlorambucil
306832	2,2-Dichloro-1,1,1-trifluoroethane
306832	HCFC-123
309002	Aldrin
309002	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4
311455	Diethyl-p-nitrophenyl phosphate
314409	Bromacil
314409	5-Bromo-6-methyl-3-(1-methylpropyl)-2,4-(1H,3H)-pyrimidinedi-

315184	Mexacarbate
316427	Emetine, dihydrochloride
319846	alpha-BHC
319846	alpha-Hexachlorocyclohexane
319857	beta-BHC
319868	delta-BHC
327980	Trichloronate
329715	2,5-Dinitrophenol
330541	Diuron
330552	Linuron
333415	Diazinon
334883	Diazomethane
353424	Boron trifluoride compound with methyl ether (1:1)
353424	Boron, trifluoro[oxybis[methane]]-, (T-4)-
353504	Carbonic difluoride
353593	Bromochlorodifluoromethane
353593	Halon 1211
354110	HCFC-121a
354110	1,1,1,2-Tetrachloro-2-fluoroethane
354143	HCFC-121
354143	1,1,2,2-Tetrachloro-1-fluoroethane
354234	1,2-Dichloro-1,1,2-trifluoroethane
354234	HCFC-123a
354256	1-Chloro-1,1,2,2-tetrafluoroethane
354256	HCFC-124a
357573	Brucine
359068	Fluoroacetyl chloride
371620	Ethylene fluorohydrin
379793	Ergotamine tartrate
422446	1,2-Dichloro-1,1,2,3,3-pentafluoropropane
422446	HCFC-225bb
422480	2,3-Dichloro-1,1,1,2,3-pentafluoropropane
422480	HCFC-225ba
422560	3,3-Dichloro-1,1,1,2,2-pentafluoropropane
422560	HCFC-225ca
431867	1,2-Dichloro-1,1,3,3,3-pentafluoropropane
431867	HCFC-225da
460195	Cyanogen
460195	Ethanedinitrile
460355	3-Chloro-1,1,1-trifluoropropane
460355	HCFC-253fb
463490	1,2-Propadiene
463490	Propadiene
463581	Carbon oxide sulfide (COS)
463581	Carbonyl sulfide
463821	2,2-Dimethylpropane
463821	Propane, 2,2-dimethyl-
465736	Isodrin

470906	Chlorfenvinfos
492808	Auramine
492808	C.I. Solvent Yellow 34
494031	Chlornaphazine
496720	Diaminotoluene
502396	Methylmercuric dicyanamide
504245	4-Aminopyridine
504245	Pyridine, 4-amino-
504609	1,3-Pentadiene
505602	Ethane, 1,1'-thiobis[2-chloro-
505602	Mustard gas
506616	Potassium silver cyanide
506649	Silver cyanide
506683	Cyanogen bromide
506774	Cyanogen chloride
506774	Cyanogen chloride ((CN)Cl)
506785	Cyanogen iodide
506876	Ammonium carbonate
506967	Acetyl bromide
507551	1,3-Dichloro-1,1,2,2,3-pentafluoropropane
507551	HCFC-225cb
509148	Methane, tetranitro-
509148	Tetranitromethane
510156	Benzeneacetic acid, 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.
510156	Chlorobenzilate
513495	sec-Butylamine
514738	Dithiazanine iodide
528290	o-Dinitrobenzene
532274	2-Chloroacetophenone
533744	Dazomet
533744	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
534076	Bis(chloromethyl) ketone
534521	4,6-Dinitro-o-cresol
534521	Dinitrocresol
534521	4,6-Dinitro-o-cresol and salts
535897	Crimidine
538078	Ethylbis(2-chloroethyl)amine
540590	1,2-Dichloroethylene
540738	Hydrazine, 1,2-dimethyl-
540841	2,2,4-Trimethylpentane
540885	tert-Butyl acetate
541093	Uranyl acetate
541253	Lewisite
541413	Ethyl chloroformate
541537	Dithiobiuret
541537	2,4-Dithiobiuret
541731	1,3-Dichlorobenzene
542621	Barium cyanide



542756	1,3-Dichloropropene
542756	1,3-Dichloropropylene
542767	3-Chloropropionitrile
542767	Propionitrile, 3-chloro-
542881	Bis(chloromethyl) ether
542881	Chloromethyl ether
542881	Dichloromethyl ether
542881	Methane, oxybis[chloro-
542905	Ethylthiocyanate
543908	Cadmium acetate
544183	Cobaltous formate
544923	Copper cyanide
554132	Lithium carbonate
554847	m-Nitrophenol
555771	Tris(2-chloroethyl)amine
556616	Isothiocyanatomethane
556616	Methyl isothiocyanate
556649	Methyl thiocyanate
556649	Thiocyanic acid, methyl ester
557197	Nickel cyanide
557211	Zinc cyanide
557346	Zinc acetate
557415	Zinc formate
557982	2-Chloropropylene
557982	1-Propene, 2-chloro-
558258	Methanesulfonyl fluoride
563122	Ethion
563417	Semicarbazide hydrochloride
563451	3-Methyl-1-butene
563462	2-Methyl-1-butene
563473	3-Chloro-2-methyl-1-propene
563688	Thallium(I) acetate
569642	C.I. Basic Green 4
573568	2,6-Dinitrophenol
584849	Benzene, 2,4-diisocyanato-1-methyl-
584849	Toluene-2,4-diisocyanate
590181	2-Butene-cis
590216	1-Chloropropylene
590216	1-Propene, 1-chloro-
591082	1-Acetyl-2-thiourea
592018	Calcium cyanide
592041	Mercuric cyanide
592858	Mercuric thiocyanate
592870	Lead thiocyanate
593602	Vinyl bromide
594423	Methanesulfenyl chloride, trichloro-
594423	Perchloromethyl mercaptan
594423	Trichloromethanesulfenyl chloride

597648	Tetraethyltin
598312	Bromoacetone
598732	Bromotrifluoroethylene
598732	Ethene, bromotrifluoro-
606202	2,6-Dinitrotoluene
608731	Hexachlorocyclohexane (all isomers)
608935	Pentachlorobenzene
609198	3,4,5-Trichlorophenol
610399	3,4-Dinitrotoluene
612828	3,3'-Dimethylbenzidine dihydrochloride
612828	o-Tolidine dihydrochloride
612839	3,3'-Dichlorobenzidine dihydrochloride
614788	Thiourea, (2-methylphenyl)-
615054	2,4-Diaminoanisole
615281	1,2-Phenylenediamine dihydrochloride
615532	N-Nitroso-N-methylurethane
621647	Di-n-propylnitrosamine
621647	N-Nitrosodi-n-propylamine
624180	1,4-Phenylenediamine dihydrochloride
624646	2-Butene, (E)
624646	2-Butene-trans
624839	Methane, isocyanato-
624839	Methyl isocyanate
625161	tert-Amyl acetate
626380	sec-Amyl acetate
627112	Chloroethyl chloroformate
627203	2-Pentene, (Z)-
628637	Amyl acetate
628864	Mercury fulminate
630104	Selenourea
630206	Ethane, 1,1,1,2-tetrachloro-
630206	1,1,1,2-Tetrachloroethane
630604	Ouabain
631618	Ammonium acetate
636215	o-Toluidine hydrochloride
639587	Triphenyltin chloride
640197	Fluoroacetamide
644644	Dimetilan
646048	2-Pentene, (E)-
675149	Cyanuric fluoride
676971	Methyl phosphonic dichloride
680319	Hexamethylphosphoramide
684935	N-Nitroso-N-methylurea
689974	1-Buten-3-yne
689974	Vinyl acetylene
692422	Diethylarsine
696286	Dichlorophenylarsine
696286	Phenyl dichloroarsine

709988	N-(3,4-Dichlorophenyl)propanamide
709988	Propanil
757584	Hexaethyl tetraphosphate
759739	N-Nitroso-N-ethylurea
759944	EPTC
759944	Ethyl dipropylthiocarbamate
760930	Methacrylic anhydride
764410	2-Butene, 1,4-dichloro-
764410	1,4-Dichloro-2-butene
765344	Glycidylaldehyde
786196	Carbophenothion
812044	1,1-Dichloro-1,2,2-trifluoroethane
812044	HCFC-123b
814493	Diethyl chlorophosphate
814686	Acrylyl chloride
814686	2-Propenoyl chloride
815827	Cupric tartrate
822060	Hexamethylene-1,6-diisocyanate
823405	Diaminotoluene
824113	Trimethylolpropane phosphite
834128	Ametryn
834128	N-Ethyl-N'-(1-methylethyl)-6-(methylthio)-1,3,5,-triazine-2,4-di
842079	C.I. Solvent Yellow 14
872504	N-Methyl-2-pyrrolidone
900958	Stannane, acetoxetriphenyl-
919868	Demeton-S-methyl
920467	Methacryloyl chloride
924163	N-Nitrosodi-n-butylamine
924425	N-Methylolacrylamide
930552	N-Nitrosopyrrolidine
933755	2,3,6-Trichlorophenol
933788	2,3,5-Trichlorophenol
944229	Fonofos
947024	Phosfolan
950107	Mephosfolan
950378	Methidathion
957517	Diphenamid
959988	alpha - Endosulfan
961115	Phosphoric acid, 2-chloro-1-(2,3,5-trichlorophenyl) ethenyl dir
961115	Tetrachlorvinphos
989388	C.I. Basic Red 1
991424	Norbormide
998301	Triethoxysilane
999815	Chlormequat chloride
1024573	Heptachlor epoxide
1031078	Endosulfan sulfate
1031476	Triamiphos
1066304	Chromic acetate

1066337	Ammonium bicarbonate
1066451	Trimethyltin chloride
1072351	Lead stearate
1111780	Ammonium carbamate
1114712	Butylethylcarbamothioic acid S-propyl ester
1114712	Pebulate
1116547	N-Nitrosodiethanolamine
1120714	1,3-Propane sultone
1120714	Propane sultone
1122607	Nitrocyclohexane
1124330	Pyridine, 4-nitro-, 1-oxide
1129415	Metolcarb
1134232	Cycloate
1163195	Decabromodiphenyl oxide
1185575	Ferric ammonium citrate
1194656	Dichlobenil
1300716	Xylenol
1303282	Arsenic pentoxide
1303328	Arsenic disulfide
1303339	Arsenic trisulfide
1306190	Cadmium oxide
1309644	Antimony trioxide
1310583	Potassium hydroxide
1310732	Sodium hydroxide
1313275	Molybdenum trioxide
1314201	Thorium dioxide
1314325	Thallic oxide
1314621	Vanadium pentoxide
1314803	Sulfur phosphide
1314847	Zinc phosphide
1314847	Zinc phosphide (conc. <= 10%)
1314847	Zinc phosphide (conc. > 10%)
1314870	Lead sulfide
1319728	2,4,5-T amines
1319773	Cresol (mixed isomers)
1320189	2,4-D Esters
1320189	2,4-D propylene glycol butyl ether ester
1321126	Nitrotoluene
1327522	Arsenic acid
1327533	Arsenic trioxide
1327533	Arsenous oxide
1330207	Xylene (mixed isomers)
1332076	Zinc borate
1332214	Asbestos (friable)
1333740	Hydrogen
1333831	Sodium bifluoride
1335326	Lead subacetate
1335871	Hexachloronaphthalene

1336216	Ammonium hydroxide
1336363	PCBs
1336363	Polychlorinated biphenyls
1338234	Methyl ethyl ketone peroxide
1338245	Naphthenic acid
1341497	Ammonium bifluoride
1344281	Aluminum oxide (fibrous forms)
1397940	Antimycin A
1420071	Dinoterb
1464535	2,2'-Bioxirane
1464535	Diepoxybutane
1558254	Trichloro(chloromethyl)silane
1563388	Carbofuran phenol
1563662	Carbofuran
1582098	Benzeneamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-
1582098	Trifluralin
1600277	Mercuric acetate
1615801	Hydrazine, 1,2-diethyl-
1622328	Ethanesulfonyl chloride, 2-chloro-
1634044	Methyl tert-butyl ether
1646884	Aldicarb sulfone
1649087	1,2-Dichloro-1,1-difluoroethane
1649087	HCFC-132b
1689845	Bromoxynil
1689845	3,5-Dibromo-4-hydroxybenzotrile
1689992	Bromoxynil octanoate
1689992	Octanoic acid, 2,6-dibromo-4-cyanophenyl ester
1717006	1,1-Dichloro-1-fluoroethane
1717006	HCFC-141b
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
1752303	Acetone thiosemicarbazide
1762954	Ammonium thiocyanate
1836755	Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-
1836755	Nitrofen
1861401	Benfluralin
1861401	N-Butyl-N-ethyl-2,6-dinitro-4-(trifluoromethyl) benzenamine
1863634	Ammonium benzoate
1888717	Hexachloropropene
1897456	1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-
1897456	Chlorothalonil
1910425	Paraquat dichloride
1912249	Atrazine
1912249	6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine
1918009	Dicamba
1918009	3,6-Dichloro-2-methoxybenzoic acid
1918021	Picloram
1918167	2-Chloro-N-(1-methylethyl)-N-phenylacetamide
1918167	Propachlor

1928387	2,4-D Esters
1928434	2,4-D 2-ethylhexyl ester
1928478	2,4,5-T esters
1928616	2,4-D Esters
1929733	2,4-D butoxyethyl ester
1929733	2,4-D Esters
1929824	2-Chloro-6-(trichloromethyl)pyridine
1929824	Nitrapyrin
1937377	C.I. Direct Black 38
1982474	Chloroxuron
1982690	3,6-Dichloro-2-methoxybenzoic acid, sodium salt
1982690	Sodium dicamba
1983104	Tributyltin fluoride
2001958	Valinomycin
2008460	2,4,5-T amines
2032657	Mercaptodimethur
2032657	Methiocarb
2074502	Paraquat methosulfate
2097190	Phenylsilatrane
2104645	EPN
2155706	Tributyltin methacrylate
2164070	Dipotassium endothall
2164070	7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid, dipotassium salt
2164172	Fluometuron
2164172	Urea, N,N-dimethyl-N'-[3-(trifluoromethyl)phenyl]-
2212671	1H-Azepine-1 carbothioic acid, hexahydro-S-ethyl ester
2212671	Molinate
2223930	Cadmium stearate
2231574	Thiocarbazine
2234131	Octachloronaphthalene
2238075	Diglycidyl ether
2275185	Prothoate
2300665	Dimethylamine dicamba
2303164	Carbamothioic acid, bis(1-methylethyl)-S-(2,3-dichloro-2-propyl)
2303164	Diallate
2303175	Triallate
2312358	Propargite
2439012	Chinomethionat
2439012	6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one
2439103	Dodecylguanidine monoacetate
2439103	Dodine
2497076	Oxydisulfoton
2524030	Dimethyl chlorothiophosphate
2524030	Dimethyl phosphorochloridothioate
2540821	Formothion
2545597	2,4,5-T esters
2556367	1,4-Cyclohexane diisocyanate
2570265	Pentadecylamine

2587908	Phosphorothioic acid, O,O-dimethyl-5-(2-(methylthio)ethyl)est
2602462	C.I. Direct Blue 6
2631370	Promecarb
2636262	Cyanophos
2642719	Azinphos-ethyl
2655154	2,3,5-Trimethylphenyl methylcarbamate
2665307	Phosphonothioic acid, methyl-, O-(4-nitrophenyl) O-phenyl es
2699798	Sulfuryl fluoride
2699798	Vikane
2702729	2,4-D sodium salt
2703131	Phosphonothioic acid, methyl-, O-ethyl O-(4-(methylthio)phen
2757188	Thallos malonate
2763964	5-(Aminomethyl)-3-isoxazolol
2763964	Muscimol
2764729	Diquat
2778043	Endothion
2832408	C.I. Disperse Yellow 3
2837890	2-Chloro-1,1,1,2-tetrafluoroethane
2837890	HCFC-124
2921882	Chlorpyrifos
2944674	Ferric ammonium oxalate
2971382	2,4-D chlorocrotyl ester
2971382	2,4-D Esters
3012655	Ammonium citrate, dibasic
3037727	Silane, (4-aminobutyl)diethoxymethyl-
3118976	C.I. Solvent Orange 7
3164292	Ammonium tartrate
3165933	4-Chloro-o-toluidine, hydrochloride
3173726	1,5-Naphthalene diisocyanate
3251238	Cupric nitrate
3254635	Phosphoric acid, dimethyl 4-(methylthio) phenyl ester
3268879	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin
3288582	O,O-Diethyl S-methyl dithiophosphate
3383968	Temephos
3486359	Zinc carbonate
3547044	DDE
3569571	Sulfoxide, 3-chloropropyl octyl
3615212	Benzimidazole, 4,5-dichloro-2-(trifluoromethyl)-
3653483	(4-Chloro-2-methylphenoxy) acetate sodium salt
3653483	Methoxone sodium salt
3689245	Sulfotep
3689245	Tetraethyldithiopyrophosphate
3691358	Chlorophacinone
3697243	5-Methylchrysene
3734972	Amiton oxalate
3735237	Methyl phenkapton
3761533	C.I. Food Red 5
3813147	2,4,5-T amines

3878191	Fuberidazole
4044659	Bitoscanate
4080313	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride
4098719	Isophorone diisocyanate
4104147	Phosacetim
4109960	Dichlorosilane
4109960	Silane, dichloro-
4128738	4,4'-Diisocyanatodiphenyl ether
4170303	2-Butenal
4170303	Crotonaldehyde
4301502	Fluenetil
4418660	Phenol, 2,2'-thiobis[4-chloro-6-methyl-
4549400	N-Nitrosomethylvinylamine
4680788	C.I. Acid Green 3
4835114	Hexamethylenediamine, N,N'-dibutyl-
5124301	1,1'-Methylene bis(4-isocyanatocyclohexane)
5234684	Carboxin
5234684	5,6-Dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide
5344821	Thiourea, (2-chlorophenyl)-
5385751	Dibenzo(a,e)fluoranthene
5522430	1-Nitropyrene
5598130	Chlorpyrifos methyl
5598130	O,O-Dimethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothioate
5836293	Coumatetralyl
5893663	Cupric oxalate
5902512	5-Chloro-3-(1,1-dimethylethyl)-6-methyl-2,4(1H,3H)-pyrimidin
5902512	Terbacil
5952261	Ethanol, 2,2'-oxybis-, dicarbamate
5972736	Ammonium oxalate
6009707	Ammonium oxalate
6369966	2,4,5-T amines
6369977	2,4,5-T amines
6459945	C.I. Acid Red 114
6533739	Thallium(I) carbonate
6533739	Thallos carbonate
6923224	Monocrotophos
7005723	4-Chlorophenyl phenyl ether
7287196	N,N'-Bis(1-methylethyl)-6-methylthio-1,3,5-triazine-2,4-diamin
7287196	Prometryn
7421934	Endrin aldehyde
7428480	Lead stearate
7429905	Aluminum (fume or dust)
7439921	Lead
7439965	Manganese
7439976	Mercury
7440020	Nickel
7440224	Silver
7440235	Sodium



7440280	Thallium
7440360	Antimony
7440382	Arsenic
7440393	Barium
7440417	Beryllium
7440439	Cadmium
7440473	Chromium
7440484	Cobalt
7440508	Copper
7440622	Vandium (except when contained in an alloy)
7440666	Zinc
7440666	Zinc (fume or dust)
7446084	Selenium dioxide
7446095	Sulfur dioxide
7446095	Sulfur dioxide (anhydrous)
7446119	Sulfur trioxide
7446142	Lead sulfate
7446186	Thallium(I) sulfate
7446186	Thallosulfate
7446277	Lead phosphate
7447394	Cupric chloride
7487947	Mercuric chloride
7488564	Selenium sulfide
7550450	Titanium chloride (TiCl <sub>4</sub> ) (T-4)-
7550450	Titanium tetrachloride
7558794	Sodium phosphate, dibasic
7580678	Lithium hydride
7601549	Sodium phosphate, tribasic
7631892	Sodium arsenate
7631905	Sodium bisulfite
7632000	Sodium nitrite
7637072	Borane, trifluoro-
7637072	Boron trifluoride
7645252	Lead arsenate
7646857	Zinc chloride
7647010	Hydrochloric acid
7647010	Hydrochloric acid (conc 37% or greater)
7647010	Hydrochloric acid (aerosol forms only)
7647010	Hydrogen chloride (anhydrous)
7647010	Hydrogen chloride (gas only)
7647189	Antimony pentachloride
7664382	Phosphoric acid
7664393	Hydrofluoric acid
7664393	Hydrofluoric acid (conc. 50% or greater)
7664393	Hydrogen fluoride
7664393	Hydrogen fluoride (anhydrous)
7664417	Ammonia
7664417	Ammonia (anhydrous)

7664417	Ammonia (conc 20% or greater)
7664939	Sulfuric acid
7664939	Sulfuric acid (aerosol forms only)
7681494	Sodium fluoride
7681529	Sodium hypochlorite
7696120	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
7696120	Tetramethrin
7697372	Nitric acid
7697372	Nitric acid (conc 80% or greater)
7699458	Zinc bromide
7705080	Ferric chloride
7718549	Nickel chloride
7719122	Phosphorous trichloride
7719122	Phosphorus trichloride
7720787	Ferrous sulfate
7722647	Potassium permanganate
7722841	Hydrogen peroxide (Conc.> 52%)
7723140	Phosphorus
7723140	Phosphorus (yellow or white)
7726956	Bromine
7733020	Zinc sulfate
7738945	Chromic acid
7758012	Potassium bromate
7758294	Sodium phosphate, tribasic
7758943	Ferrous chloride
7758954	Lead chloride
7758987	Cupric sulfate
7761888	Silver nitrate
7773060	Ammonium sulfamate
7775113	Sodium chromate
7778394	Arsenic acid
7778441	Calcium arsenate
7778509	Potassium bichromate
7778543	Calcium hypochlorite
7779864	Zinc hydrosulfite
7779886	Zinc nitrate
7782414	Fluorine
7782492	Selenium
7782505	Chlorine
7782630	Ferrous sulfate
7782823	Sodium selenite
7782867	Mercurous nitrate
7783008	Selenious acid
7783064	Hydrogen sulfide
7783075	Hydrogen selenide
7783359	Mercuric sulfate
7783462	Lead fluoride
7783495	Zinc fluoride

7783508	Ferric fluoride
7783564	Antimony trifluoride
7783600	Sulfur fluoride (SF <sub>4</sub> ), (T-4)-
7783600	Sulfur tetrafluoride
7783702	Antimony pentafluoride
7783804	Tellurium hexafluoride
7784341	Arsenous trichloride
7784409	Lead arsenate
7784410	Potassium arsenate
7784421	Arsine
7784465	Sodium arsenite
7785844	Sodium phosphate, tribasic
7786347	Mevinphos
7786814	Nickel sulfate
7787475	Beryllium chloride
7787497	Beryllium fluoride
7787555	Beryllium nitrate
7788989	Ammonium chromate
7789006	Potassium chromate
7789062	Strontium chromate
7789095	Ammonium bichromate
7789426	Cadmium bromide
7789437	Cobaltous bromide
7789619	Antimony tribromide
7790945	Chlorosulfonic acid
7791120	Thallium chloride TlCl
7791120	Thallos chloride
7791211	Chlorine monoxide
7791211	Chlorine oxide
7791233	Selenium oxychloride
7803512	Phosphine
7803556	Ammonium vanadate
7803625	Silane
8001352	Camphchlor
8001352	Camphene, octachloro-
8001352	Toxaphene
8001589	Creosote
8003198	Dichloropropane - Dichloropropene (mixture)
8003347	Pyrethrins
8014957	Oleum (fuming sulfuric acid)
8014957	Sulfuric acid (fuming)
8014957	Sulfuric acid, mixture with sulfur trioxide
8065483	Demeton
9006422	Metiram
9016879	Polymeric diphenylmethane diisocyanate
10022705	Sodium hypochlorite
10025737	Chromic chloride
10025782	Silane, trichloro-

10025782	Trichlorosilane
10025873	Phosphorus oxychloride
10025873	Phosphoryl chloride
10025919	Antimony trichloride
10026116	Zirconium tetrachloride
10026138	Phosphorus pentachloride
10028156	Ozone
10028225	Ferric sulfate
10031591	Thallium sulfate
10034932	Hydrazine sulfate
10039324	Sodium phosphate, dibasic
10043013	Aluminum sulfate
10045893	Ferrous ammonium sulfate
10045940	Mercuric nitrate
10049044	Chlorine dioxide
10049044	Chlorine oxide (ClO2)
10049055	Chromous chloride
10061026	trans-1,3-Dichloropropene
10099748	Lead nitrate
10101538	Chromic sulfate
10101630	Lead iodide
10101890	Sodium phosphate, tribasic
10102064	Uranyl nitrate
10102188	Sodium selenite
10102202	Sodium tellurite
10102439	Nitric oxide
10102439	Nitrogen oxide (NO)
10102440	Nitrogen dioxide
10102451	Thallium(I) nitrate
10102484	Lead arsenate
10108642	Cadmium chloride
10124502	Potassium arsenite
10124568	Sodium phosphate, tribasic
10140655	Sodium phosphate, dibasic
10140871	Ethanol, 1,2-dichloro-, acetate
10192300	Ammonium bisulfite
10196040	Ammonium sulfite
10210681	Cobalt carbonyl
10222012	2,2-Dibromo-3-nitripropionamide
10265926	Methamidophos
10294345	Borane, trichloro-
10294345	Boron trichloride
10311849	Dialifor
10347543	1,4-Bis(methylisocyanate)cyclohexane
10361894	Sodium phosphate, tribasic
10380297	Cupric sulfate, ammoniated
10415755	Mercurous nitrate
10421484	Ferric nitrate

10453868	5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1
10453868	Resmethrin
10476956	Methacrolein diacetate
10544726	Nitrogen dioxide
10588019	Sodium bichromate
10605217	Carbendazim
11096825	Aroclor 1260
11097691	Aroclor 1254
11104282	Aroclor 1221
11115745	Chromic acid
11141165	Aroclor 1232
12002038	Cupric acetoarsenite
12002038	Paris green
12039520	Selenious acid, dithallium(1+) salt
12054487	Nickel hydroxide
12108133	Manganese, tricarbonyl methylcyclopentadienyl
12122677	Carbamodithioic acid, 1,2-ethanedilylbis-, zinc complex
12122677	Zineb
12125018	Ammonium fluoride
12125029	Ammonium chloride
12135761	Ammonium sulfide
12427382	Carbamodithioic acid, 1,2-ethanedilylbis-, manganese comple
12427382	Maneb
12672296	Aroclor 1248
12674112	Aroclor 1016
12771083	Sulfur monochloride
13071799	Terbufos
13171216	Phosphamidon
13194484	Ethoprop
13194484	Ethoprofos
13194484	Phosphorodithioic acid O-ethyl S,S-dipropyl ester
13356086	Fenbutatin oxide
13356086	Hexakis(2-methyl-2-phenylpropyl)distannoxane
13410010	Sodium selenate
13450903	Gallium trichloride
13463393	Nickel carbonyl
13463406	Iron carbonyl (Fe(CO) <sub>5</sub> ), (TB-5-11)-
13463406	Iron, pentacarbonyl-
13474889	1,1-Dichloro-1,2,2,3,3-pentafluoropropane
13474889	HCFC-225cc
13560991	2,4,5-T salts
13597994	Beryllium nitrate
13684565	Desmedipham
13746899	Zirconium nitrate
13765190	Calcium chromate
13814965	Lead fluoborate
13826830	Ammonium fluoborate
13952846	sec-Butylamine

14017415	Cobaltous sulfamate
14167181	Salcomine
14216752	Nickel nitrate
14258492	Ammonium oxalate
14307358	Lithium chromate
14307438	Ammonium tartrate
14484641	Ferbam
14484641	Tris(dimethylcarbamodithioato-S,S')iron
14639975	Zinc ammonium chloride
14639986	Zinc ammonium chloride
14644612	Zirconium sulfate
15271417	Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-(((methylamino)imino)amino)-
15339363	Manganese, bis(dimethylcarbamodithioato-S,S')-
15646965	2,4,4-Trimethylhexamethylene diisocyanate
15699180	Nickel ammonium sulfate
15739807	Lead sulfate
15950660	2,3,4-Trichlorophenol
15972608	Alachlor
16071866	C.I. Direct Brown 95
16543558	N-Nitrosornicotine
16721805	Sodium hydrosulfide
16752775	Ethanimidothioic acid, N-[methylamino]carbonyl]
16752775	Methomyl
16871719	Zinc silicofluoride
16919190	Ammonium silicofluoride
16923958	Zirconium potassium fluoride
16938220	2,2,4-Trimethylhexamethylene diisocyanate
17702419	Decaborane(14)
17702577	Formparanate
17804352	Benomyl
18883664	Streptozotocin
19044883	4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide
19044883	Oryzalin
19287457	Diborane
19287457	Diborane(6)
19408743	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin
19624227	Pentaborane
19666309	3-(2,4-Dichloro-5-(1-methylethoxy)phenyl)-5-(1,1-dimethylethoxy)benzothiazole
19666309	Oxydiazon
20325400	o-Dianisidine dihydrochloride
20325400	3,3'-Dimethoxybenzidine dihydrochloride
20354261	2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
20354261	Methazole
20816120	Osmium oxide OsO4 (T-4)-
20816120	Osmium tetroxide
20830755	Digoxin
20830813	Daunomycin
20859738	Aluminum phosphide

21087649	Metribuzin
21548323	Fosthietan
21609905	Leptophos
21725462	Cyanazine
21908532	Mercuric oxide
21923239	Chlorthiophos
22224926	Fenamiphos
22781233	Bendiocarb
22781233	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate
22961826	Bendiocarb phenol
23135220	Oxamyl
23422539	Formetanate hydrochloride
23505411	Primifos-ethyl
23564058	Thiophanate-methyl
23564069	(1,2-Phenylenebis(iminocarbothioyl)) biscarbamic acid diet
23564069	Thiophanate ethyl
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl
23950585	Pronamide
24017478	Triazofos
24934916	Chlormephos
25154545	Dinitrobenzene (mixed isomers)
25154556	Nitrophenol (mixed isomers)
25155300	Sodium dodecylbenzenesulfonate
25167673	Butene
25167822	Trichlorophenol
25168154	2,4,5-T esters
25168267	2,4-D Esters
25311711	2-((Ethoxy((1-methylethyl)amino)phosphinothioyl)oxy) benzoil
25311711	Isofenphos
25321146	Dinitrotoluene (mixed isomers)
25321226	Dichlorobenzene
25321226	Dichlorobenzene (mixed isomers)
25376458	Diaminotoluene (mixed isomers)
25376458	Toluenediamine
25550587	Dinitrophenol
26002802	2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic
26002802	Phenothrin
26264062	Calcium dodecylbenzenesulfonate
26419738	Carbamic acid, methyl-, O-(((2,4-dimethyl-1,3-dithiolan-2-yl)m
26471625	Benzene, 1,3-diisocyanatomethyl-
26471625	Toluenediisocyanate (mixed isomers)
26471625	Toluene diisocyanate (unspecified isomer)
26628228	Sodium azide (Na(N3))
26638197	Dichloropropane
26644462	N,N'-(1,4-Piperazinediyl)bis(2,2,2-trichloroethylidene)) bisform
26644462	Triforine
26952238	Dichloropropene
27137855	Trichloro(dichlorophenyl)silane

27176870	Dodecylbenzenesulfonic acid
27314132	4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-
27314132	Norflurazon
27323417	Triethanolamine dodecylbenzene sulfonate
27774136	Vanadyl sulfate
28057489	d-trans-Allethrin
28057489	d-trans-Chrysanthemic acid of d-allethron
28249776	Carbamic acid, diethylthio-, S-(p-chlorobenzyl)
28249776	Thiobencarb
28300745	Antimony potassium tartrate
28347139	Xylylene dichloride
28407376	C.I. Direct Blue 218
28772567	Bromadiolone
29082744	Octachlorostyrene
29232937	O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)-O,O-dimethyl pho
29232937	Pirimiphos methyl
30525894	Paraformaldehyde
30558431	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, n
30560191	Acephate
30560191	Acetylphosphoramidothioic acid O,S-dimethyl ester
30674807	Methacryloyloxyethyl isocyanate
31218834	3-((Ethylamino)methoxyphosphinothio)oxy)-2-butenic acid.
31218834	Propetamphos
32534955	2,4,5-TP esters
33089611	Amitraz
33213659	beta - Endosulfan
34014181	N-(5-(1,1-Dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylul
34014181	Tebuthiuron
34077877	Dichlorotrifluoroethane
35367385	Diflubenzuron
35400432	O-Ethyl O-(4-(methylthio)phenyl)phosphorodithioic acid S-pro
35400432	Sulprofos
35554440	1-(2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl)-1H-imidazo
35554440	Imazaili
35691657	1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile
35822469	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
36478769	Uranyl nitrate
37211055	Nickel chloride
38661722	1,3-Bis(methylisocyanate)cyclohexane
38727558	Diethyl ethyl
39001020	1,2,3,4,6,7,8,9-octachlorodibenzofuran
39156417	2,4-Diaminoanisole sulfate
39196184	Thiofanox
39227286	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
39300453	Dinocap
39515418	Fenpropathrin
39515418	2,2,3,3-Tetramethylcyclopropane carboxylic acid cyano(3-phe
40321764	1,2,3,7,8-pentachlorodibenzo-p-dioxin



40487421	N-(1-Ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
40487421	Pendimethalin
41198087	O-(4-Bromo-2-chlorophenyl)-O-ethyl-S-propylphosphorothioa
41198087	Profenofos
41766750	3,3'-Dimethylbenzidine dihydrofluoride
41766750	o-Tolidine dihydrofluoride
42504461	Isopropanolamine dodecylbenzene sulfonate
42874033	Oxyfluorfen
43121433	1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-H
43121433	Triadimefon
50471448	3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedio
50471448	Vinclozolin
50782699	Phosphonothioic acid, methyl-, S-(2-(bis(1-methylethyl)amino
51207319	2,3,7,8-tetrachlorodibenzofuran
51235042	Hexazinone
51338273	2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid, methyl es
51338273	Diclofop methyl
51630581	4-Chloro-alpha-(1-methylethyl)benzeneacetic acid cyano(3-pl
51630581	Fenvalerate
52628258	Zinc ammonium chloride
52645531	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic
52645531	Permethrin
52652592	Lead stearate
52740166	Calcium arsenite
52888809	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester
53404196	Bromacil, lithium salt
53404196	2,4-(1H,3H)-Pyrimidinedione, 5-bromo-6-methyl-3-(1-methylp
53404378	2,4-D 2-ethyl-4-methylpentyl ester
53404607	Dazomet, sodium salt
53404607	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione, ion(1-
53467111	2,4-D Esters
53469219	Aroclor 1242
53558251	Pyriminil
55285148	Carbosulfan
55290647	2,3,-Dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide
55290647	Dimethipin
55406536	3-Iodo-2-propynyl butylcarbamate
55488874	Ferric ammonium oxalate
55673897	1,2,3,4,7,8,9-heptachlorodibenzofuran
56189094	Lead stearate
57117314	2,3,4,7,8-pentachlorodibenzofuran
57117416	1,2,3,7,8-pentachlorodibenzofuran
57117449	1,2,3,6,7,8-hexachlorodibenzofuran
57213691	Triclopyr triethylammonium salt
57653857	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin
58270089	Zinc, dichloro(4,4-dimethyl-5(((methylamino)carbonyl)oxy)im
59669260	Thiodicarb
60168889	.alpha.-(2-Chlorophenyl)-.alpha.-4-chlorophenyl)-5-pyrimidine

60168889	Fenarimol	
60207901	1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)-methyl-	
60207901	Propiconazole	
60851345	2,3,4,6,7,8-hexachlorodibenzofuran	
61792072	2,4,5-T esters	
62207765	Cobalt, ((2,2'-(1,2-ethanediy)bis(nitrlomethylidyne))bis(6-fluor	
62476599	Acifluorfen, sodium salt	
62476599	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitrobenzoic acid, s	
63938103	Chlorotetrafluoroethane	
64902723	2-Chloro-N-(((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]ca	
64902723	Chlorsulfuron	
64969342	3,3'-Dichlorobenzidine sulfate	
66441234	2-(4-((6-Chloro-2-benzoxazolyl)oxy)phenoxy)propanoic aci	
66441234	Fenoxaprop ethyl	
67485294	Hydramethylnon	
67485294	Tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone(3-(4-(trifluorome	
67562394	1,2,3,4,6,7,8-heptachlorodibenzofuran	
68085858	3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropa	
68085858	Cynhalothrin	
68359375	Cyfluthrin	
68359375	3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic a	
69409945	N-(2-Chloro-4-(trifluoromethyl)phenyl)-DL-valine(+)-cyano(3-F	
69409945	Fluvalinate	
69806504	Fluazifop butyl	
69806504	2-(4-((5-(Trifluoromethyl)-2-pyridinyl)oxy)-phenoxy)propanoic	
70648269	1,2,3,4,7,8-hexachlorodibenzofuran	
71751412	Abamectin	
71751412	Avermectin B1	
72178020	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-N-methylsulfonyl)-2-r	
72178020	Fomesafen	
72490018	Fenoxycarb	
72490018	(2-(4-Phenoxyphenoxy)ethyl carbamic acid ethyl ester	
72918219	1,2,3,7,8,9-hexachlorodibenzofuran	
74051802	2-(1-(Ethoxyimino) butyl)-5-(2-(ethylthio)propyl)-3-hydroxy-2-	
74051802	Sethoxydim	
75790840	4-Methyldiphenylmethane-3,4-diisocyanate	
75790873	2,4'-Diisocyanatodiphenyl sulfide	
76578148	2-(4-((6-Chloro-2-quinoxalinyloxy]phenoxy) propanoic acid e	
76578148	Quizalofop-ethyl	
77501634	Benzoic acid, 5-(2-chloro-4-(trifluoromethyl)phenoxy)-2-nitro-	
77501634	5-(2-Chloro-4-(trifluoromethyl)phenoxy)-2-nitro-2-ethoxy-1-me	
77501634	Lactofen	
82657043	Bifenthrin	
88671890	.alpha.-Butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-prop	
88671890	Myclobutanil	
90454185	Dichloro-1,1,2-trifluoroethane	
90982324	Chlorimuron ethyl	
90982324	Ethyl-2-((((4-chloro-6-methoxyprimidin-2-yl)amino)carbonyl)a	

101200480	2-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-methylamino)carbonyl
101200480	Tribenuron methyl
111512562	1,1-Dichloro-1,2,3,3,3-pentafluoropropane
111512562	HCFC-225eb
111984099	o-Dianisidine hydrochloride
111984099	3,3'-Dimethoxybenzidine hydrochloride
127564925	Dichloropentafluoropropane
128903219	2,2-Dichloro-1,1,1,3,3-pentafluoropropane
128903219	HCFC-225aa
134190377	Diethyldiisocyanatobenzene
136013791	1,3-Dichloro-1,1,2,3,3-pentafluoropropane
136013791	HCFC-225ea
N010	Antimony Compounds
N020	Arsenic Compounds
N040	Barium Compounds
N050	Beryllium Compounds
N078	Cadmium Compounds
N084	Chlorinated Phenols
N084	Chlorophenols
N090	Chromium Compounds
N096	Cobalt Compounds
N100	Copper Compounds
N106	Cyanide Compounds
N120	Diisocyanates (includes only 20 chemicals)
N150	Dioxin and dioxin-like compounds (includes only 17 chemicals)
N171	Ethylenebisdithiocarbamic acid, salts and esters
N230	Glycol Ethers
N420	Lead Compounds
N450	Manganese Compounds
N458	Mercury Compounds
N495	Nickel Compounds
N503	Nicotine and salts
N511	Nitrate compounds (water dissociable)
N575	Polybrominated Biphenyls (PBBs)
N583	Polychlorinated alkanes (C10 to C13)
N590	Polycyclic aromatic compounds (includes only 19 chemicals)
N725	Selenium Compounds
N740	Silver Compounds
N746	Strychnine and salts
N760	Thallium Compounds
N770	Vandium Compounds
N874	Warfarin and salts
N982	Zinc Compounds

THE LIST BELOW CONTAINS RCRA WASTE STREAMS AT  
THE FOLLOWING LIST SHOULD BE USED FOR REFEREN  
The following spent halogenated solvents used in  
degreasing:

- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
  - (b) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
  - (c) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
  - (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
  - (e) Carbon tetrachloride (CAS No. 56-23-5, RCRA Waste No. U211)
  - (f) Chlorinated fluorocarbons
- The following spent halogenated solvents:
- (a) Tetrachloroethylene (CAS No. 127-18-4, RCRA Waste No. U210)
  - (b) Methylene chloride (CAS No. 75-09-2, RCRA Waste No. U080)
  - (c) Trichloroethylene (CAS No. 79-01-6, RCRA Waste No. U228)
  - (d) 1,1,1-Trichloroethane (CAS No. 71-55-6, RCRA Waste No. U226)
  - (e) Chlorobenzene (CAS No. 108-90-7, RCRA Waste No. U037)
  - (f) 1,1,2-Trichloro-1,2,2-trifluoroethane (CAS No. 76-13-1)
  - (g) o-Dichlorobenzene (CAS No. 95-50-1, RCRA Waste No. U070)
  - (h) Trichlorofluoromethane (CAS No. 75-69-4, RCRA Waste No. U121)
  - (i) 1,1,2-Trichloroethane (CAS No. 79-00-5, RCRA Waste No. U227)

The following spent non-halogenated solvents and still bottoms from recovery:

- (a) Xylene (CAS No. 1330-20-7, RCRA Waste No. U239)
- (b) Acetone (CAS No. 67-64-1, RCRA Waste No. U002)
- (c) Ethyl acetate (CAS No. 141-78-6, RCRA Waste No. U112)
- (d) Ethylbenzene (CAS No. 100-41-4)
- (e) Ethyl ether (CAS No. 60-29-7, RCRA Waste No. U117)
- (f) Methyl isobutyl ketone (CAS No. 108-10-1, RCRA Waste No. U161)
- (g) n-Butyl alcohol (CAS No. 71-36-3, RCRA Waste No. U031)
- (h) Cyclohexanone (CAS No. 108-94-1, RCRA Waste No. U057)
- (i) Methanol (CAS No. 67-56-1, RCRA Waste No. U154)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Cresols/cresylic acid (CAS No. 1319-77-3, RCRA Waste No. U052)

(b) Nitrobenzene (CAS No. 98-95-3, RCRA Waste No. U169)

The following spent non-halogenated solvents and still bottoms from recovery:

(a) Toluene (CAS No. 108-88-3, RCRA Waste No. U220)

(b) Methyl ethyl ketone (CAS No. 78-93-3, RCRA Waste No. U159)

(c) Carbon disulfide (CAS No. 75-15-0, RCRA Waste No. P022)

(d) Isobutanol (CAS No. 78-83-1, RCRA Waste No. U140)

(e) Pyridine (CAS No. 110-86-1, RCRA Waste No. U196)

Wastewater treatment sludges from electroplating operations (w/some exceptions)

Spent cyanide plating bath solns. from electroplating  
Plating bath residues from electroplating where cyanides are used

Spent stripping/cleaning bath solns. from electroplating where cyanides are used

Quenching bath residues from metal heat treating where cyanides are used

Spent cyanide soln. from salt bath pot cleaning from metal heat treating

Quenching wastewater sludges from metal heat treating where cyanides are used

Wastewater treatment sludges from chemical conversion aluminum coating

Wastes from prod. or use of tri/tetrachlorophenol or derivative intermediates

Wastes from prod. or use of pentachlorophenol or intermediates for derivatives

Wastes from use of tetra/penta/hexachlorobenzenes under alkaline conditions

Wastes from mat. prod. on equip. previously used for tri/tetrachlorophenol

Wastes from production of chlorinated aliphatic hydrocarbons (C1-C5)

Lights ends, filters from prod. of chlorinated aliphatic hydrocarbons (C1-C5)

Waste from equipment previously used to prod. tetra/penta/hexachlorobenzenes

Discarded formulations containing tri/tetra/pentachlorophenols or derivatives

Residues from incineration of soil contaminated w/  
F020,F021,F022,F023,F026,F027

Wastewaters, process residuals from wood preserving using chlorophenolic solns.

Wastewaters, process residuals from wood preserving using creosote formulations

Wastewaters, process residuals from wood preserving using arsenic or chromium

Petroleum refinery primary oil/water/solids separation sludge

Petroleum refinery secondary (emulsified) oil/water/solids separation sludge

Multisource leachate

Wastewater treatment sludge from creosote/pentachlorophenol wood preserving

Wastewater treatment sludge from prod. of chrome yellow and orange pigments

Wastewater treatment sludge from prod. of molybdate orange pigments

Wastewater treatment sludge from prod. of zinc yellow pigments

Wastewater treatment sludge from prod. of chrome green pigments

Wastewater treatment sludge from prod. of chrome oxide green pigments

Wastewater treatment sludge from prod. of iron blue pigments

Oven residue from prod. of chrome oxide green pigments

Dist. bottoms from prod. of acetaldehyde from ethylene

Dist. side cuts from prod. of acetaldehyde from ethylene

Bottom stream from wastewater stripper in acrylonitrile prod.

Bottom stream from acetonitrile column in acrylonitrile prod.

Bottoms from acetonitrile purification column in acrylonitrile prod.

Still bottoms from the dist. of benzyl chloride

Heavy ends or dist. residues from prod. of carbon tetrachloride

Heavy ends from the purification column in epichlorohydrin prod.

Heavy ends from the fractionation column in ethyl chloride prod.

Heavy ends from the dist. of ethylene dichloride during its prod.

Heavy ends from the dist. of vinyl chloride during prod. of the monomer

Aqueous spent antimony catalyst waste from fluoromethanes prod.

Dist. bottom tars from prod. of phenol/acetone from cumene

Dist. light ends from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of phthalic anhydride from naphthalene

Dist. bottoms from prod. of nitrobenzene by nitration of benzene

Stripping still tails from the prod. of methyl ethyl pyridines

Centrifuge/dist. residues from toluene diisocyanate prod.

Spent catalyst from hydrochlorinator reactor in prod. of 1,1,1-trichloroethane

Waste from product steam stripper in prod. of 1,1,1-trichloroethane

Column bottoms/heavy ends from prod. of trichloroethylene and perchloroethylene

By-product salts generated in the prod. of MSMA and cacodylic acid

Wastewater treatment sludge from the prod. of chlordane

Wastewater/scrubwater from chlorination of cyclopentadiene in chlordane prod.

Filter solids from filtration of hexachlorocyclopentadiene in chlordane prod.

Wastewater treatment sludges from the prod. of creosote

Still bottoms from toluene reclamation distillation in disulfoton prod.

Wastewater treatment sludges from the prod. of disulfoton

Wastewater from the washing and stripping of phorate production

Filter cake from filtration of diethylphosphorodithioic acid in phorate prod.

Wastewater treatment sludge from the prod. of phorate

Wastewater treatment sludge from the prod. of toxaphene

Heavy ends/residues from dist. of tetrachlorobenzene in 2,4,5-T prod.

2,6-Dichlorophenol waste from the prod. of 2,4-D

Wastewater treatment sludge from manuf. and processing of explosives

Spent carbon from treatment of wastewater containing explosives

Wastewater sludge from manuf., formulating, loading of lead-based initiating compd

Pink/red water from TNT operations

Dissolved air flotation (DAF) float from the petroleum refining industry

Slop oil emulsion solids from the petroleum refining industry  
Heat exchanger bundle cleaning sludge from petroleum refining industry

API separator sludge from the petroleum refining industry

Tank bottoms (leaded) from the petroleum refining industry  
Ammonia still lime sludge from coking operations

Emission control dust/sludge from primary prod. of steel in electric furnaces

Spent pickle liquor generated by steel finishing (SIC codes 331 and 332)

Acid plant blowdown slurry/sludge from blowdown slurry from primary copper prod.

Surface impoundment solids at primary lead smelting facilities

Sludge from treatment of wastewater/acid plant blowdown from primary zinc prod.

Emission control dust/sludge from secondary lead smelting

Brine purification muds from mercury cell process in chlorine production

Chlorinated hydrocarbon waste from diaphragm cell process in chlorine production

Distillation bottoms from aniline extraction

Wastewater sludges from prod. of veterinary pharm. from arsenic compds.

Distillation or fractionation column bottoms in prod. of chlorobenzenes

Wastes/sludges from prod. of inks from chromium and lead-containing substances

Decanter tank tar sludge from coking operations

Spent potliners from primary aluminum reduction

Emission control dust/sludge from ferrochromium/silicon prod.

Emission control dust/sludge from ferrochromium prod.

Dist. light ends from prod. of phthalic anhydride by ortho-xylene

Dist. bottoms in prod. of phthalic anhydride by ortho-xylene

Distillation bottoms in prod. of 1,1,1-trichloroethane

Heavy ends from dist. column in prod. of 1,1,1-trichloroethane

Vacuum stripper discharge from the chlordane chlorinator in prod. of chlordane



Untreated process wastewater from the prod. of toxaphene  
Untreated wastewater from the prod. of 2,4-D  
Waste leaching soln from emission control dust/sludge in secondary lead smelting  
Dist. tar residue from aniline in prod. of veterinary pharm. from arsenic compd.  
Residue from activated carbon in prod. of veterinary pharm. from arsenic compds.  
Process residues from aniline extraction from the prod. of aniline  
Combined wastewater streams generated from prod. of nitrobenzene/aniline  
  
Aqueous stream from washing in prod. of chlorobenzenes  
Wastewater treatment sludge from mercury cell process in chlorine prod.  
Column bottoms from separation in prod. of UDMH from carboxylic acid hydrazides  
Condensed column overheads and vent gas from prod. of UDMH from -COOH hydrazides  
Spent filter cartridges from purif. of UDMH prod. from carboxylic acid hydrazides  
Condensed column overheads from separation in UDMH prod. from -COOH hydrazides  
Product washwaters from prod. of dinitrotoluene via nitration of toluene  
Reaction by-product water from drying in toluenediamine prod from dinitrotoluene  
Condensed liquid light ends from purification of toluenediamine during its prod.  
Vicinals from purification of toluenediamine during its prod from dinitrotoluene  
Heavy ends from toluenediamine purification during prod. from dinitrotoluene  
Organic condensate from solvent recovery system in prod. of toluene diisocyanate  
Wastewater from vent gas scrubber in ethylene bromide prod by ethene bromination  
Spent absorbent solids in purification of ethylene dibromide in its prod.  
Process wastewater from the prod. of ethylenedisithiocarbamic acid and salts  
Reactor vent scrubber water from prod of ethylenedisithiocarbamic acid and salts  
Filtration/other solids from prod. of ethylenedisithiocarbamic acid and salts

Dust/sweepings from the prod. of ethylenebisdithiocarbamic acid and salts

Wastewater and spent sulfuric acid from the prod. of methyl bromide

Spent absorbent and wastewater solids from the prod. of methyl bromide

Still bottoms from ethylene dibromide purif. in prod. by ethene bromination

Process residues from coal tar recovery in coking

Tar storage tank residues from coke prod. from coal or recovery of coke by-prods

Process residues from recovery of light oil in coking

Wastewater residues from light oil refining in coking

Residues from naphthalene collection and recovery from coke by-products

Tar storage tank residues from coal tar refining in coking

Residues from coal tar distillation, including still bottoms, in coking

Distillation bottoms from the prod. of chlorinated toluenes/benzoyl chlorides

Organic residuals from Cl gas and HCl recovery from chlorinated toluene prod.

Wastewater treatment sludge from production of chlorotoluenes/benzoyl chlorides

Organic waste from production of carbamates and carbamoyl oximes

Wastewaters from production of carbamates and carbamoyl oximes (not sludges)

Bag house dusts & filter/separation solids from prod of carbamates, carb oximes

Organics from treatment of thiocarbamate waste

Purif. solids/bag house dust/sweepings from prod of dithiocarbamate acids/salts

Crude oil storage tank sediment from refining operations

Clarified slurry oil tank sediment of in-line filter/separation solids

Spent hydrotreating catalyst

Spent hydrorefining catalyst

Wastewater treatment sludges from the production of ethylene dichloride or vinyl chloride monomer (EDC/VCM)

Wastewater treatment sludges from the production vinyl chloride monomer using mercuric chloride catalyst in an acetylene-based process

Residues from manufacturing and manufacturing-site storage of ferric chloride from acids formed during the production of titanium dioxide using the chloride-ilmenite process

Nonwastewaters generated from the production of certain dyes, pigments, and FD&C colorants

Unlisted hazardous wastes characteristic of ignitability

Unlisted hazardous wastes characteristic of corrosivity

Unlisted hazardous wastes characteristic of reactivity

Unlisted hazardous wastes characteristic of toxicity:

Arsenic

Barium

Cadmium

Chromium

Lead

Mercury

Selenium

Silver

Endrin

Lindane

Methoxychlor

Toxaphene

2,4-D

2,4,5-TP

Benzene

Carbon tetrachloride

Chlordane

Chlorobenzene

Chloroform

o-Cresol

m-Cresol

p-Cresol

Cresol

1,4-Dichlorobenzene

1,2-Dichloroethane

1,1-Dichloroethylene

2,4-Dinitrotoluene

Heptachlor (and epoxide)

Hexachlorobenzene

Hexachlorobutadiene

Hexachloroethane

Methyl ethyl ketone

Nitrobenzene

Pentachlorophenol

Pyridine

Tetrachloroethylene

Trichloroethylene

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

Vinyl chloride

NAMEINDEX	Section 302 (EHS) TPQ	Section 304 EHS RQ
BARIUM COMPOUNDS EXCEPTION		
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)		
CHLORINATED BENZENES		
CHLORINATED ETHANES		
CHLORINATED NAPHTHALENE		
CHLOROALKYL ETHERS		
COKE OVEN EMISSIONS		
COPPER COMPOUNDS EXCEPTION1		
COPPER COMPOUNDS EXCEPTION2		
COPPER COMPOUNDS EXCEPTION3		
COPPER COMPOUNDS EXCEPTION4		
DDT AND METABOLITES		
DICHLOROBENZIDINE		
DIPHENYLHYDRAZINE		
ENDOSULFAN AND METABOLITES		
ENDRIN AND METABOLITES		
FINEMINERALFIBERS		
HALOETHERS		
HALOMETHANES		
HEPTACHLOR AND METABOLITES		
NITROPHENOLS		
NITROSAMINES		
ORGANORHODIUM COMPLEX (PMN-82)	10/10,000	10
PHTHALATE ESTERS		
POLYCYCLICORGANICMATTER		
POLYNUCLEAR AROMATIC HYDROCARBONS		
FORMALDEHYDE	500	100
FORMALDEHYDE(SOLUTION)	500	100
MITOMYCIN C	500/10,000	10
ERGOCALCIFEROL	1,000/10,000	1,000
CYCLOPHOSPHAMIDE		
DDT		
BENZOPYRENE		
RESERPINE		
PIPERONYLBUTOXIDE		
FLUOROURACIL	500/10,000	500
FLUOROURACIL,5-	500/10,000	500
DINITROPHENOLB		
EPINEPHRINE		
CHLOROCHLOROETHYL)-N-METHYLETHANAMIN	10	10
MECHLORETHAMINE	10	10
NITROGENMUSTARD	10	10
CARBAMIC ACIDETHYL ESTER		
ETHYLCARBAMATE		
URETHANE		
CARBACHOL CHLORIDE	500/10,000	500
PHOSPHONICACIDTRICHLORO-1-HYDROXYETHYL)-,DIMETHYL		

TRICHLORFON			
FAMPHUR			
DIBENZANTHRACENE			
ACETYLAMINOFLUOREN			
NICOTINE	100		100
NICOTINE AND SALTS			
PYRIDINEMETHYLPYRROLIDINYL(S)-	100		100
AMINOPTERIN	500/10,000		500
NITROSODIETHYLAMIN			
BENZAMIDE			
DIMETHYLMETHYLTHIOPHENYLESTERPHOSP			
FENTHION			
NITROGLYCERINE			
DIISOPROPYLFLUOROPHOSPHATE	100		100
ISOFLUORPHATE	100		100
METHYLTHIOURACIL			
CARBONETETRACHLORIDE			
CANTHARIDIN	100/10,000		100
BISTRIBUTYL(TIN) OXIDE			
PARATHION	100		10
PHOSPHOROTHIOICACIDDIETHYLNITROPHENYL	100		10
METHYLCHOLANTHRENE			
DIETHYLSTILBESTROL			
BENZANTHRACENE			
COUMAPHOS	100/10,000		10
CYANIDES (SOLUBLE SALTS AND COMPLEXES) NOT OTHERWI			
DIMETHYLHYDRAZI	1,000		10
DIMETHYLHYDRAZINE	1,000		10
HYDRAZINEDIMETHYL-	1,000		10
STRYCHNINE	100/10,000		10
STRYCHNINE, AND SALTS			
PENTOBARBITALSODIUM			
PHENYTOIN			
PHYSOSTIGMINE	100/10,000		100
PROPIOLACTONE	500		10
PHYSOSTIGMINE, SALICYLATE (1:1)	100/10,000		100
CHLORDANE	1,000		1
METHANOINDANOCTACHLORO-2,3,3A,4,7,7A	1,000		1
DIMETHYLBENZAANTHRACENE			
PHENOXARSINE, 10,10'-OXYDI-	500/10,000		500
CYCLOHEXANEHEXACHLORO-, (1.ALPHA.,2.ALPH	1,000/10,000		1
HEXACHLOROCYCLOHEXANEGAMMA ISOMER)	1,000/10,000		1
LINDANE	1,000/10,000		1
TETRACHLOROPHENOL			
CHLOROCRESOL			
PHENYLHYDRAZINE HYDROCHLORIDE	1,000/10,000		1,000
NITROSOMORPHOLINE			
ETHYLENEDIAMINE-TETRAACETIC ACID (EDTA)			

AMINOAZOBENZENE			
DIMETHYLAMINOAZO			
DIMETHYLAMINOAZOBENZENE			
ETHANEOXYBIS-			
ETHYLETHER			
HYDRAZINEMETHYL-	500		10
METHYLHYDRAZINE	500		10
ACETAMIDE			
STRYCHNINE, SULFATE	100/10,000		10
DIMETHOATE	500/10,000		10
DIELDRIN			
AMITROLE			
PHENYLMERCURIC ACETATE	500/10,000		100
PHENYLMERCURY ACETATE	500/10,000		100
PHENACETIN			
ETHYLMETHANESULFONATE			
ANILINE	1,000		5,000
THIOACETAMIDE			
THIOUREA			
DICHLORVOS	1,000		10
PHOSPHORACIDDICHLOROETHENYL DIMETHYL	1,000		10
FLUOROACETIC ACID, SODIUM SALT	10/10,000		10
SODIUM FLUOROACETATE	10/10,000		10
METHANAMINEMETHYLNITROSO-	1,000		10
NITROSODIMETHYLAMI	1,000		10
NITROSODIMETHYLAMINE	1,000		10
CARBARYL			
NAPHTHALENOLMETHYLCARBAMATE			
PHENOLMETHYLETHYL-, METHYLCARBAMATE	500/10,000		10
FORMICACID			
ACETICACID			
DIETHYLSULFATE			
TETRACYCLINEHYDROCHLORIDE			
COLCHICINE	10/10,000		10
NICOTINE SULFATE	100/10,000		100
BENZOICACID			
URACIL MUSTARD			
CYCLOHEXIMIDE	100/10,000		100
METHANOL			
ISOPROPYLALCOHOL			
ACETONE			
CHLOROFORM	10,000		10
METHANETRICHORO-	10,000		10
HEXACHLOROETHANE			
DIMETHYLFORMAMIDE			
DIMETHYLFORMAMIDE,N,N-			
CYCLOHEXADIENEDIONETRIS(1-AZIRIDINYL)-			
TRIAZQUONE			

GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-			
HEXACHLOROPHENE			
PROPIOPHENONE, 4-AMINO	100/10,000		100
BUTYLALCOHOLA			
BENZENE			
METHYLCHLOROFORM			
TRICHLOROETHANE			
DIGITOXIN	100/10,000		100
ENDRIN	500/10,000		1
BENZENETRICHLOROETHYLIDENE)BIS [4-METHOXY-			
METHOXYCHLOR			
DDD			
DDE			
TRYPAN BLUE			
METHANE			
BROMOMETHANE	1,000		1,000
METHYLBROMIDE	1,000		1,000
ETHANE			
ETHENE			
ETHYLENE			
ACETYLENE			
ETHYNE			
CHLOROMETHANE			
METHANECHLORO-			
METHYLCHLORIDE			
METHYLIODIDE			
METHANAMINE			
MONOMETHYLAMINE			
HYDROCYANICACID	100		10
HYDROGENCYANIDE	100		10
METHANETHIOL	500		100
METHYLMERCAPTAN	500		100
THIOMETHANOL	500		100
METHYLENEBROMIDE			
PROPANE			
PROPYNE			
PROPYNE			
CHLOROETHANE			
ETHANECHLORO-			
ETHYLCHLORIDE			
ETHENECHLORO-			
VINYLCHLORIDE			
ETHENEFLURO-			
VINYLFUORIDE			
ETHANAMINE			
MONOETHYLAMINE			
ACETONITRILE			
ACETALDEHYDE			

ETHANETHIOL			
ETHYLMERCAPTAN			
DICHLOROMETHANE			
METHYLENECHLORIDE			
CARBONDISULFIDE	10,000		100
CYCLOPROPANE			
CALCIUMCARBIDE			
ETHYLENEOXIDE	1,000		10
OXIRANE	1,000		10
BROMOFORM			
TRIBROMOMETHANE			
DICHLOROBROMOMETHANE			
ISOBUTANE			
PROPANEMETHYL			
ISOPROPYLCHLORIDE			
PROPANECHLORO-			
ISOPROPYLAMINE			
PROPANAMINE			
DICHLOROETHANE			
ETHYLIDENEDICHLORIDE			
DICHLOROETHYLENE			
ETHENEDICHLORO			
VINYLDENECHLORIDE			
ACETYLCHLORIDE			
DIFLUOROETHANE			
ETHANEDIFLUORO			
ETHENEDIFLUORO			
VINYLDENEFLUORIDE			
DICHLOROFLUOROMETHANE			
HCFC-21			
CARBONICDICHLORIDE	10		10
PHOSGENE	10		10
CHLORODIFLUOROMETHANE			
HCFC-22			
METHANAMINEDIMETHYL			
TRIMETHYLAMINE			
AZIRIDINE, 2-METHYL	10,000		1
PROPYLENEIMINE	10,000		1
OXIRANEMETHYL-	10,000		100
PROPYLENEOXIDE	10,000		100
CACODYLIC ACID			
BROMOTRIFLUOROMETHANE			
HALON1301			
BUTYLAMINE-T			
BUTYLALCOHOLC			
CHLORODIFLUOROETHANE			
HCFC-142B			
CFC-11			



TRICHLOROFLUOROMETHANE			
TRICHLOROMONOFUOROMETHANE			
CFC-112			
DICHLORODIFLUOROMETHANE			
CFC-13			
CHLOROTRIFLUOROMETHANE			
PLUMBANETETRAMETHYL-	100		100
TETRAMETHYLLEAD	100		100
SILANETETRAMETHYL-			
TETRAMETHYLSILANE			
SILANECHLOROTRIMETHYL-	1,000		1,000
TRIMETHYLCHLOROSILANE	1,000		1,000
DIMETHYLDICHLOROSILANE	500		500
SILANEDICHLORODIMETHYL-	500		500
METHYLTRICHLOROSILANE	500		500
SILANETRICHLOROMETHYL-	500		500
ACETONE CYANOHYDRIN	1,000		10
METHYLLACTONITRILE	1,000		10
ACETALDEHYDE, TRICHLORO-			
CHLOROTRIFLUOROETHANE (HCFC-133A)			
HCFC-133A			
DICHLOROPROPIONIC ACID			
PENTACHLOROETHANE			
TRICHLOROACETYL CHLORIDE	500		500
CHLOROPICRIN			
ETHANETRICHLOROTRIFLUORO-			
FREON113			
CFC-114			
DICHLOROTETRAFLUROETHANE			
CFC-115			
MONOCHLOROPENTAFLUROETHANE			
HEPTACHLOR			
HEPTACHLOROTETRAHYDRO-4,7-METHANO-1			
TRIPHENYLTIHYDROXIDE			
HEXACHLOROCYCLOPENTADIENE	100		10
DICYCLOPENTADIENE			
DIMETHYLSULFATE	500		100
TABUN	10		10
TETRAETHYLLEAD	100		10
DIOXATHION	500		500
DEF			
TRIBUTYLTRITHIOPHOSPHATE (DEF)			
AMITON	500		500
ISOPHORONE			
OXETANE, 3,3-BIS(CHLOROMETHYL)-	500		500
BUTANEMETHYL-			
ISOPENTANE			
BUTADIENEMETHYL			

ISOPRENE			
BUTYLAMINE-I			
ISOBUTYRONITRILE	1,000		1,000
PROPANENITRILEMETHYL-	1,000		1,000
ISOBUTYL ALCOHOL			
ISOBUTYRALDEHYDE			
DICHLOROPROPANE12			
PROPANEDICHLORO-			
DICHLOROPROPENE23			
BUTYLALCOHOLB			
METHYLETHYLKETONE			
METHYLETHYLKETONE (MEK)			
METHYLVINYL KETONE	10		10
LACTONITRILE	1,000		1,000
DICHLOROPROPANE11			
TRICHLOROETHANEB			
TRICHLOROETHYLENE			
ACRYLAMIDE	1,000/10,000		5,000
PROPIONICACID			
ACRYLICACID			
CHLOROACETICACID	100/10,000		100
THIOSEMICARBAZIDE	100/10,000		100
ETHANEPEROXOICACID	500		500
PERACETICACID	500		500
CARBONOCHLORIDICACIDMETHYLESTER	500		1,000
METHYLCHLOROCARBONATE	500		1,000
METHYLCHLOROFORMATE	500		1,000
BUTYRIC ACIDISO			
TETRACHLOROETHANE			
ETHENECHLOROTRIFLU			
TRIFLUOROCHLOROETHYL			
DIMETHYLCARBAMYL			
NITROPROPANE			
TETRABROMOBIPHENOLA			
ISOPROPYLIDENED			
CUMENEHYDROPEROXIDE			
HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL-			
METHYLMETHACRYLATE			
METHYLCHLOROACRYLATE	500		500
SACCHARIN			
SACCHARIN AND SALTS			
WARFARIN	500/10,000		100
WARFARIN SALTS, WHEN PRESENT AT CONCENTRATIONS			
CIFOODRED15			
AMINOMETHYLANTH			
DIPHACINONE	10/10,000		10
PCNB			
PENTACHLORONITROBENZENE (PCNB)			

QUINTOZENE			
ACENAPHTHENE			
DIETHYLPHTHALATE			
BUTYLPHTHALATE			
DIBUTYLPHTHALATE			
DIQUAT			
PHENANTHRENE			
PHTHALICANHYDRIDE			
BUTYLBENZYLPHTHALA			
NITROSODIPHENYLA			
AZINPHOS-METHYL	10/10,000	1	
GUTHION	10/10,000	1	
FLUORENE			
ANTU	500/10,000	100	
THIOUREANAPHTHALENYL-	500/10,000	100	
XYLIDINE			
DICHLOROPHENOL			
HEXACHLOROBUTAD			
HEXACHLOROBUTADIENE			
PCP			
PENTACHLOROPHENOLP			
ANILINE, 2,4,6-TRIMETHYL-	500	500	
TRICHLOROPHENOL-E			
NITROTOLUENE-O			
NITROPHENOLA			
DINITROBUTYL PHENOL	100/10,000	1,000	
DINOSEB	100/10,000	1,000	
PICRICACID			
ANISIDINEA			
PHENYLPHENOL			
MICHLERSKETONE			
BENZENEDIISOCYANATOMETHYLB	100	100	
TOLUENEDIISOCYANATEB	100	100	
NAPHTHALENE			
QUINOLINE			
CHLORONAPHTHALENE			
NAPHTHYLAMINEB			
DIETHYLANILINE			
METHAPYRILENE			
DIMETHOXYBENZIDINEDIISOCYANATE			
DICHLOROBENZIDINE			
DIMETHYLDIPHENYLENEDIISOCYANATE			
BIPHENYL			
AMINOBIIPHENYL			
BENZIDINE			
NITROBIIPHENYL			
MECOPROP			
SILVEX (2,4,5-TP)			

T ACID			
T ESTERS			
D ESTERS			
D ISOPROPYL ESTER			
BENZOYLPEROXIDE			
DIHYDROSAFROLE			
SAFROLE			
CHLOROMETHYLPHENOXYACETICACID			
MCPA			
METHOXONE			
ACETICACIDDICHLOROPHENOXY)-			
D			
D ACID			
D SALTS			
D ESTERS			
D BUTYL ESTER			
D ESTERS			
DB			
BENZENEDIMETHYL-O			
XYLENEB			
CRESOLB	1,000/10,000		100
DICHLOROBENZENE			
DICHLOROBENZENEA			
TOLUIDINE			
PHENYLENEDIAMINE			
CHLOROPHENOL			
TRIMETHYLBENZ			
CHLOROTOLUIDINE			
DIAMINOTOLUENEA			
TETRACHLOROBENZENE			
TRICHLOROPHENOL-D			
STYRENEOXIDE			
DBCP			
DIBROMOCHLORO			
TRICHLOROPROPANE			
METHYLACRYLATE			
ETHYLENETHIOUREA			
DICHLOROPHENE			
METHYLENEBISCHLOROPHENOL			
CISOLVENTYELLOWA			
ETHYLMETHACRYLATE			
FURFURAL			
BENZENEARSONIC ACID	10/10,000		10
BENZOICTRICHLORIDE	100		10
BENZOTRICHLORIDE	100		10
BENZENESULFONYL CHLORIDE			
TRICHLOROPHENYLSILANE	500		500
BENZENAMINE, 3-(TRIFLUOROMETHYL)-	500		500

CUMENE			
ACETOPHENONE			
BENZALCHLORIDE	500		5,000
BENZOYLCHLORIDE			
NITROBENZENE	10,000		1,000
NITROTOLUENE-M			
DICHLORAN			
DICHLORONITROANILINE			
TRINITROBENZENE			
NITROTOLUIDINE			
NITROANISIDINE			
DINITROBENZENEM			
DIMETHYLPHENYLENEDIAMINE	10/10,000		10
NITROTOLUENE-P			
NITROANILINE			
NITROPHENOLB			
NITROPHENOL-P			
BENZENECHLOROMETHYL)-4-NITRO-	500/10,000		500
DINITROBENZENEP			
ETHYLBENZENE			
STYRENEMONOMER			
BENZYLCHLORIDE	500		100
BENZONITRILE			
NITROSOPIPERIDINE			
ANILAZINE			
DICHLOROCHLOROPHENYLTRIAZIN-2-AMINE			
MBOCA			
METHYLENEBISCHLORO			
BARBAN			
BROMOPHENYL PHENYL ETHER			
METHYLENEBISDIMETH			
MDI			
METHYLENEBISPHENYL			
METHYLENEDIANI			
DIAMINODIPHENYL			
DIGLYCIDYLRESORCINOL ETHER			
ISOCYANIC ACID, 3,4-DICHLOROPHENYL ESTER	500/10,000		500
PHENYLTHIOUREA	100/10,000		100
CHLOROPHENYLISOCYANATE			
PHENYLENEDIISOCYANATE			
ANISIDINEB			
BUTYLACETATE-S			
DIMETHYLPHENOL			
BENZENEDIMETHYL-P			
XYLENEC			
CRE SOLC			
DICHLOROBENZENEC			
CHLOROANILINE			

TOLUIDINE			
PHENYLENEDIAMINE			
BENZOQUINONE			
QUINONE			
BUTYLENEOXIDE			
EPICHLOROHYDRIN	1,000		100
OXIRANECHLOROMETHYL)-	1,000		100
DIBROMOETHANEE			
ETHYLENEDIBROMIDE			
PROPARGYL BROMIDE	10		10
BUTANE			
BUTENE1			
BUTADIENE			
BUTYNE			
ETHYLACETYLENE			
BUTENE2			
ACROLEIN	500		1
PROPENAL	500		1
ALLYLCHLORIDE			
DICHLOROETHANE			
ETHYLENEDICHLORIDE			
CHLOROETHANOL	500		500
PROPYLAMINE			
ALLYLAMINE	500		500
PROPENAMINE	500		500
ETHYLCYANIDE	500		10
PROPANENITRILE	500		10
PROPIONITRILE	500		10
ACRYLONITRILE	10,000		100
PROPENENITRILE	10,000		100
ETHANEDIAMINE	10,000		5,000
ETHYLENEDIAMINE	10,000		5,000
FORMALDEHYDECYANOHYDRIN	1,000		1,000
ALLYLALCOHOL	1,000		100
PROPENOL	1,000		100
PROPARGYL ALCOHOL			
CHLOROACETALDEHYDE			
ETHYLENEGLYCOL			
ETHENEMETHOXY-			
VINYLMETHYLETHER			
CHLOROMETHYLMETHYLETHER	100		10
METHANECHLOROMETHOXY-	100		10
FORMICACIDMETHYL			
METHYLFORMATE			
SARIN	10		10
TEPP	100		10
TETRAETHYLPHOSPHATE	100		10
BUTYRIC ACID			

ACETICACIDETHYLESTER	1,000	5,000
VINYLACETATE	1,000	5,000
VINYLACETATEMONOMER	1,000	5,000
METHYLISOBUTYLKETO		
CARBONCHLORIDICACIDMETHYLETHYL ESTER	1,000	1,000
ISOPROPYLCHLOROFORMATE	1,000	1,000
ACETICANHYDRIDE		
MALEICANHYDRIDE		
BENZENEDIMETHYL-M		
XYLENEA		
CRESOLA		
PHENYLENEDIAMINE		
RESORCINOL		
BISCHLOROMETHYLETHYL		
DICHLOROISOPROPYL ETHER		
TOLUENE		
CHLOROBENZENE		
CYCLOHEXANAMINE	10,000	10,000
CYCLOHEXYLAMINE	10,000	10,000
CYCLOHEXANOL		
CYCLOHEXANONE		
PHENOL	500/10,000	1,000
BENZENETHIOL	500	100
THIOPHENOL	500	100
METHYLPYRIDINE		
PICOLINE		
CARBONCHLORIDICACIDPROPYLESTER	500	500
PROPYLCHLOROFORMATE	500	500
PENTANE		
PENTENE		
BUTYLAMINE		
MALONONITRILE	500/10,000	1,000
METHOXYETHANOL		
DIETHYLAMINE		
ETHENEETHOXY-		
VINYLETHYLETHER		
ETHYLNITRITE		
NITROUSACIDETHYL		
FURAN, TETRAHYDRO-		
FURAN	500	100
MALEICACID		
FUMARIC ACID		
BUTYLACETATE-I		
HEXANE		
HEXANE-N		
DICHLOROBUTENE	500	500
DICHLOROBUTENE	500	500
CHLOROETHYLVINYL ETHER		

ETHANOLETHOXY			
ETHOXYETHANOL			
CYCLOHEXANE			
PYRIDINE			
PIPERIDINE	1,000		1,000
DIETHANOLAMINE			
BISCHLOROETHYLETHER	10,000		10
DICHLOROETHYLETHER	10,000		10
ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS			
ADIPONITRILE	1,000		1,000
BISCHLOROETHOXYMETHANE			
PHENOLMETHYLETHOXYMETHYL CARBAMATE			
PROPOXUR			
AZASERINE			
PROPENE			
PROPENE1			
PROPYLENE			
METHANEOXYBIS-			
METHYLETHER			
METHYLPROPENE			
PROPENEMETHYL-			
TRICHLOROETHYLSILANE	500		500
DIMEFOX	500		500
CHLORENDIC ACID			
ENDOSULFAN	10/10,000		1
BENZENEMETHANOLCHLORO-.ALPHA.-4-CHLOROPHENYL)-.ALPHA.-(-			
DICOFOL			
FENSULFOTHION	500		500
ALDICARB	100/10,000		1
ETHENETETRAFLURO-			
TETRAFLUROETHYLENE			
AMINOANTHRAQUINONE			
DICHLONE			
BISETHYLHEXYLPHTHALATE			
DEHP			
DIETHYLHEXYLPHT			
DIOCTYLPHTHALATE			
DIOCTYLPHTHALATE			
HEXACHLORO BENZENE			
ISOPROPYLMETHYLPYRAZOLYL DIMETHYLCARE	500		100
DIMETHOXYBENZID			
DIMETHYLBENZIDI			
TOLIDINE			
ANTHRACENE			
DP			
ISOSAFROLE			
CRESIDINE			
CATECHOL			



TRICHLOROBENZE			
DICHLOROPHENOL			
DINITROTOLUENE			
PYRETHRINS			
PYRETHRINS			
TRIETHYLAMINE			
DIMETHYLANILINE			
MALATHION			
BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL- +			
SIMAZINE			
DIPHENYLAMINE			
PROPHAM			
DIPHENYLHYDRAZI			
HYDRAZINEDIPHENYL-			
HYDRAZOBENZENE			
HYDROQUINONE	500/10,000		100
MALEICHYDRAZIDE			
PROPIONALDEHYDE			
PHENYLENEIISOCYANATE			
PROPIONICANHYDRIDE			
PARALDEHYDE			
BUTYRALDEHYDE			
BUTENAL, (E)-	1,000		100
CROTONALDEHYDE, (E)-	1,000		100
BUTYLACETATE			
DIOXANE			
AMYLACETATE-I			
ADIPIC ACID			
DIMETHYLAMINE			
METHANAMINEMETHYL			
SODIUM METHYLATE			
CHLORODIBROMOMETHANE			
SODIUM CACODYLATE	100/10,000		100
DIBROMOTETRAFLUOROETHANE			
HALON2402			
PICROTOXIN	500/10,000		500
TRISDIBROMOPROP			
METHACRYLONITRILE	500		1,000
PROPENENITRILEMETHYL-	500		1,000
CHLOROPRENE			
PERCHLOROETHYLENE			
TETRACHLOROETHYLENE			
ZINCPHENOLSULFONATE			
POTASSIUMDIMETHYLDITHIOCARBAMATE			
SODIUM DIMETHYLDITHIOCARBAMATE			
CIVATYELLOW4			
PYRENE	1,000/10,000		5,000
WARFARIN SODIUM	100/10,000		100

NAPHTHOQUINONE			
DIMETHYLPHTALATE			
SODIUM PENTACHLOROPHENATE			
AMMONIUMPICRATE			
CYCLOHEXYLDINITROPHENOL			
SODIUM PHENYLPHENOXIDE			
DIBENZOFURAN			
CAPTAN			
ISOINDOLEDIONETETRAHYDROTRICHLORO-			
FOLPET			
BENZOICACIDAMINODICHLORO-			
CHLORAMBEN			
ANISIDINEHYDROCHL			
NAPHTHYLAMINEA			
BENZENEAMINEHYDROXYNITROSO, AMMONIUM SALT			
CUPFERRON			
DIPROPYLSOCINCHOMERONATE			
THIRAM			
ZIRAM			
POTASSIUMMETHYLDITHIOCARBAMATE			
METHAMSODIUM			
SODIUM METHYLDITHIOCARBAMATE			
DISODIUMCYANODITHIOIMIDOCARBONATE			
NITRILOTRIACETICACI			
DIMETHYLDIPHENYLMETHANEDIISOCYANATE			
THIODIANILINE			
BENZLYCYANIDE	500		500
PYRIDINEMETHYLVINYL-	500		500
ETHYLACRYLATE			
BUTYLACRYLATE			
DICROTOPHOS	100		100
ETHYLACETATE			
DICHLOROPROPANE13			
NABAM			
CUPRIC ACETATE			
DIPROPYLAMINE			
SODIUM CYANIDE (Na(CN))	100		10
KEPONE			
FLUOROACETIC ACID	10/10,000		10
ENDOTHALL			
THIABENDAZOLE			
THIAZOLYLBENZIMIDAZOLE			
MELPHALAN			
MBT			
MERCAPTOBENZOTHIAZOLE (MBT)			
DICHLOROMETHYLPHENYLSILANE	1,000		1,000
MERPHOS			
MONURON			

METHOXYETHYLMERCURIC ACETATE	500/10,000	500
POTASSIUMCYANIDE	100	10
AZIRIDINE	500	1
ETHYLENEIMINE	500	1
DIPHOSPHORAMIDE, OCTAMETHYL-	100	100
NITROSODIPHENYLB		
DICHLOROETHYLENE		
CALCIUMCYANAMIDE		
BENZOPENTAPHENE		
DIBENZPYRENEAI		
DIBENZOPYRENEAH		
BENZOPERYLENE		
DIBENZOPYRENEAL		
DIBENZOPYRENEAE		
INDENO(1,2,3-CD)PYRENE		
DIBENZOCARBAZOLECG		
BENZOFLUORANTHENEJ		
BENZOFLUORANTHENE		
FLUORANTHENE		
BENZOFLUORANTHENEK		
ACENAPHTHYLENE		
BENZOPHENANTHRENE		
CHRYSENE		
DIBENZACRIDINEAJ		
BENZACRIDINE		
DIBENZACRIDINEAH		
ISOBENZAN	100/10,000	100
DIETHYLPYRAZINYL PHOSPHOROTHIOATE	500	100
THIONAZIN	500	100
METHYLPARATHION	100/10,000	100
PARATHION-METHYL	100/10,000	100
PHORATE	10	10
DISULFOTON	500	1
AMPHETAMINE	1,000	1,000
NALED		
LEADACETATE		
ETHYLSULFINYLETHYLDIMETHYLESTERPHOSPHOROTHIOI		
OXYDEMETONMETHYL		
HYDRAZINE	1,000	1
LASIOCARPINE		
CHLORAMBUCIL		
DICHLOROTRIFLUOROETHANE22		
HCFC-123		
ALDRIN	500/10,000	1
DIMETHANONAPHTHALENEHEXACHLORO-1,4,4	500/10,000	1
DIETHYLNITROPHENYL PHOSPHATE		
BROMACIL		
BROMOMETHYLMETHYLPROPYLPRIMIDINI		

MEXACARBATE		500/10,000	1,000
EMETINE, DIHYDROCHLORIDE		1/10,000	1
BHC			
HEXACHLOROCYCLOHEXANEALPHA			
BHC			
BHC			
TRICHLORONATE		500	500
DINITROPHENOLC			
DIURON			
LINURON			
DIAZINON			
DIAZOMETHANE			
BORON TRIFLUORIDE COMPOUND WITH METHYL	1,000		1,000
BORONTRIFLUORO[OXYBIS[METHANE]]-, (T-4)-	1,000		1,000
CARBONIC DIFLUORIDE			
BROMOCHLORODIFLUOROMETHANE			
HALON1211			
HCFC-121A			
TETRACHLOROFLUOROETHANE (HCFC-121A)			
HCFC-121			
TETRACHLOROFLUOROETHANE (HCFC-121)			
DICHLOROTRIFLUOROETHANE12			
HCFC-123A			
CHLOROTETRAFLUROETHANE1			
HCFC-124A			
BRUCINE			
FLUROACETYL CHLORIDE	10		10
ETHYLENEFLUROHYDRIN	10		10
ERGOTAMINE TARTRATE	500/10,000		500
DICHLOROPENTAFLUROPROPANE (HCFC-225BB)			
HCFC-225BB			
DICHLOROPENTAFLUROPROPANE (HCFC-225BA)			
HCFC-225BA			
DICHLOROPENTAFLUROPROPANE (HCFC-225CA)			
HCFC-225CA			
DICHLOROPENTAFLUROPROPANE (HCFC-225DA)			
HCFC-225DA			
CYANOGEN			
ETHANEDINITRILE			
CHLOROTRIFLUOROPROPANE (HCFC-253FB)			
HCFC-253FB			
PROPADIENE			
PROPADIENE			
CARBONOXIDESULFIDE			
CARBONYLSULFIDE			
DIMETHYLPROPANE			
PROPANEDIMETHYL			
ISODRIN	100/10,000		1

CHLORFENVINFOS	500	500	
AURAMINE			
CISOLVENTYELLOWC			
CHLORNAPHAZINE			
DIAMINOTOLUENE			
METHYLMERCURIC DICYANAMIDE	500/10,000	500	
AMINOPYRIDINE	500/10,000	1,000	
PYRIDINEAMINO-	500/10,000	1,000	
PENTADIENE			
ETHANETHIOBISCHLORO-	500	500	
MUSTARDGAS	500	500	
POTASSIUMSILVERCYANIDE	500	1	
SILVERCYANIDE			
CYANOGENBROMIDE	500/10,000	1,000	
CYANOGENCHLORIDE			
CYANOGENCHLORIDE ((CN)CL)			
CYANOGENIODIDE	1,000/10,000	1,000	
AMMONIUMCARBONATE			
ACETYLBROMIDE			
DICHLOROPENTAFLUOROPROPANE (HCFC-225CB)			
HCFC-225CB			
METHANETETRANITRO-	500	10	
TETRANITROMETHANE	500	10	
BENZENEACETICACIDCHLORO--ALPHA-(4-CHLOROPHENYL)-.ALPHA			
CHLOROBENZILATE			
BUTYLAMINE-S			
DITHIAZANINE IODIDE	500/10,000	500	
DINITROBENZENEO			
CHLOROACETOPHENONE			
DAZOMET			
TETRAHYDRODIMETHYLTHIADIAZINETHIONE			
BISCHLOROMETHYLKETONE	10/10,000	10	
DINITROCRESOL	10/10,000	10	
DINITROCRESOL	10/10,000	10	
DINITROOCRESOL AND SALTS			
CRIMIDINE	100/10,000	100	
ETHYLBISCHLOROETHYLAMINE	500	500	
DICHLOROETHYLENE			
HYDRAZINEDIMETHYL-			
TRIMETHYLPENTANE			
BUTYLACETATE-T			
URANYL ACETATE			
LEWISITE	10	10	
ETHYLCHLOROFORMATE			
DITHIOBIURET	100/10,000	100	
DITHIOBIURET-2,4	100/10,000	100	
DICHLOROBENZENEB			
BARIUM CYANIDE			

DICHLOROPROPENE13			
DICHLOROPROPYLEN			
CHLOROPROPIONITRILE	1,000		1,000
PROPIONITRILE, 3-CHLORO-	1,000		1,000
BISCHLOROMETHYLEETHER	100		10
CHLOROMETHYLEETHER	100		10
DICHLOROMETHYLEETHER	100		10
METHANEOXYBIS[CHLORO-	100		10
ETHYLTHIOCYANATE	10,000		10,000
CADMIUM ACETATE			
COBALTOUS FORMATE			
COPPER CYANIDE			
LITHIUMCARBONATE			
NITROPHENOL-M			
TRIS(2-CHLOROETHYL)AMINE	100		100
ISOTHIOCYANATOMETHANE	500		500
METHYLISOTHIOCYANATE	500		500
METHYLTHIOCYANATE	10,000		10,000
THIOCYANICACIDMETHYLESTER	10,000		10,000
NICKELCYANIDE			
ZINCCYANIDE			
ZINCACETATE			
ZINCFORMATE			
CHLOROPROPYLENE			
PROPENECHLORO-2			
METHANESULFONYL FLUORIDE	1,000		1,000
ETHION	1,000		10
SEMICARBAZIDE HYDROCHLORIDE	1,000/10,000		1,000
METHYLBUTENE3			
METHYLBUTENE2			
CHLOROMETHYLPROPENE			
THALLIUMACETATE			
CIBASICGREEN4			
DINITROPHENOLD			
BENZENEDIISOCYANATOMETHYLA	500		100
TOLUENEDIISOCYANATEA	500		100
BUTENE-CIS			
CHLOROPROPYLENE			
PROPENECHLORO-1			
ACETYLTHIOUREA			
CALCIUMCYANIDE			
MERCURICCYANIDE			
MERCURICTHIOCYANATE			
LEADTHIOCYANATE			
VINYLBROMIDE			
METHANESULFENYLCHLORIDETRICHORO-	500		100
PERCHLOROMETHYLMERCAPTAN	500		100
TRICHLOROMETHANESULFENYL CHLORIDE	500		100

TETRAETHYL TIN	100	100	
BROMOACETONE			
BROMOTRIFLUOROETHYLEN			
ETHENEBROMOTRIFLUORO			
DINITROTOLUENEC			
HEXACHLOROCYCLOHEXANEALL			
PENTACHLOROBENZENE			
TRICHLOROPHENOL-F			
DINITROTOLUENED			
DIMETHYLBENZIDINEDIHYDROCHLORIDE			
TOLIDINEDIHYDROCHLORIDE			
DICHLOROBENZIDINEDIHYDROCHLORIDE			
THIOUREA, (2-METHYLPHENYL)-	500/10,000	500	
DIAMINOANISOLE			
PHENYLENEDIAMINEDIHYDROCHLORIDE			
NITROSOMETHYLURETHANE			
DIPROPYLNITROSAMINE			
NITROSODIPROPYL			
PHENYLENEDIAMINEDIHYDROCHLORIDE			
BUTENE-E			
BUTENE-TRANS			
METHANEISOCYANATO-	500	10	
METHYLISOCYANATE	500	10	
AMYLACETATE-T			
AMYLACETATE-S			
CHLOROETHYLCHLOROFORMATE	1,000	1,000	
PENTENEZ			
AMYLACETATE			
MERCURY FULMINATE			
SELENOUREA			
ETHANETETRACHLORO-			
TETRACHLOROETHANE			
OUABAIN	100/10,000	100	
AMMONIUMACETATE			
TOLUIDINEHYDROCHL			
TRIPHENYL TIN CHLORIDE	500/10,000	500	
FLUOROACETAMIDE	100/10,000	100	
DIMETILAN	500/10,000	1	
PENTENEE			
CYANURICFLUORIDE	100	100	
METHYLPHOSPHONIC DICHLORIDE	100	100	
HEXAMETHYLPHOSPHO			
NITROSOMETHYLUR			
BUTENYNE			
VINYLACETYLENE			
DIETHYLARSINE			
DICHLOROPHENYLARSINE	500	1	
PHENYLDICHLOROARSINE	500	1	

DICHLOROPHENYLPROPANAMIDE			
PROPANIL			
HEXAETHYL TETRAPHOSPHATE			
NITROSOETHYLURE			
EPTC			
ETHYLDIPROPYLTHIOCARBAMATE EPTC			
METHACRYLIC ANHYDRIDE	500		500
BUTENEDICHLORO-			
DICHLOROBUTENE2			
GLYCIDYLALDEHYDE			
CARBOPHENOTHION	500		500
DICHLOROTRIFLUOROETHANE11			
HCFC-123B			
DIETHYLCHLOROPHOSPHATE	500		500
ACRYLYL CHLORIDE	100		100
PROPENOYLCHLORIDE	100		100
CUPRIC TARTRATE			
HEXAMETHYLENEDIISOCYANATE			
DIAMINOTOLUENE			
TRIMETHYLOLPROPANE PHOSPHITE	100/10,000		100
AMETRYN			
ETHYLMETHYLETHYLMETHYLTHIO)-1,3,5,-TRIAZINE-2,			
CISOLVENTYELLOWB			
METHYLPYRROLIDONE			
STANNANE,ACETOXYTRIPHENYL-	500/10,000		500
DEMETON-S-METHYL	500		500
METHACRYLOYL CHLORIDE	100		100
NITROSODIBUTYLA			
METHYLOLACRYLAMIDE			
NITROSPYRROLIDINE			
TRICHLOROPHENOL-C			
TRICHLOROPHENOL-B			
FONOFOS	500		500
PHOSFOLAN	100/10,000		100
MEPHOSFOLAN	500		500
METHIDATHION	500/10,000		500
DIPHENAMID			
ENDOSULFAN			
PHOSPHORICACIDCHLOROTRICHLOROPHENYL) ETHENYL			
TETRACHLORVINPHOS			
CIBASICRED1			
NORBORMIDE	100/10,000		100
TRIETHOXSILANE	500		500
CHLORMEQUAT CHLORIDE	100/10,000		100
HEPTACHLOR EPOXIDE			
ENDOSULFAN SULFATE			
TRIAMIPOS	500/10,000		500
CHROMIC ACETATE			



AMMONIUMBICARBONATE			
TRIMETHYL TIN CHLORIDE	500/10,000	500	
LEADSTEARATE			
AMMONIUMCARBAMATE			
BUTYLETHYL CARBAMOTHIOICACIDPROPYLESTER			
PEBULATE			
NITROSODIETHANOLAMINE			
PROPANESULTONE			
PROPANESULTONE			
NITROCYCLOHEXANE	500	500	
PYRIDINENITROOXIDE	500/10,000	500	
METOLCARB	100/10,000	1,000	
CYCLOATE			
DECABROMODIPHENYLOX			
FERRICAMMONIUMCITRATE			
DICHOLOBENIL			
XYLENOL			
ARSENIC PENTOXIDE	100/10,000	1	
ARSENIC DISULFIDE			
ARSENIC TRISULFIDE			
CADMIUM OXIDE	100/10,000	100	
ANTIMONYTRIOXIDE			
POTASSIUMHYDROXIDE			
SODIUM HYDROXIDE			
MOLYBDENUMTRIOXIDE			
THORIUMDIOXIDE			
THALLIC OXIDE			
VANADIUM PENTOXIDE	100/10,000	1,000	
SULFURPHOSPHIDE			
ZINCPHOSPHIDE	500	100	
ZINCPHOSPHIDE	500	100	
ZINCPHOSPHIDE	500	100	
LEADSULFIDE			
T AMINES			
CRESOLMIXEDISOMER			
D ESTERS			
D PROPYLENE GLYCOL BUTYL ETHER ESTER			
NITROTOLUENE			
ARSENIC ACID			
ARSENIC TRIOXIDE	100/10,000	1	
ARSENOUS OXIDE	100/10,000	1	
XYLENEMIXEDISOMER			
ZINCBORATE			
ASBESTOS			
HYDROGEN			
SODIUM BIFLUORIDE			
LEADSUBACETATE			
HEXACHLORONAPHTHA			

AMMONIUMHYDROXIDE			
PCBS			
POLYCHLORINATEDBIPH			
METHYLETHYLKETONEPEROXIDE			
NAPHTHENIC ACID			
AMMONIUMBIFLUORIDE			
ALUMINUMOXIDE			
ANTIMYCIN A	1,000/10,000		1,000
DINOTERB	500/10,000		500
BIOXIRANE	500		10
DIEPOXYBUTANE	500		10
TRICHLOROCHLOROMETHYL)SILANE	100		100
CARBOFURANPHENOL			
CARBOFURAN	10/10,000		10
BENEZNEAMINEDINITRODIPROPYL-4-(TRIFLUOROMETHYL)-			
TRIFLURALIN			
MERCURICACETATE	500/10,000		500
HYDRAZINEDIETHYL-			
ETHANESULFONYL CHLORIDE, 2-CHLORO-	500		500
METHYLTBUTYLET			
ALDICARBSULFONE			
DICHLORODIFLUOROETHANE (HCFC-132B)			
HCFC-132B			
BROMOXYNIL			
DIBROMOHYDROXYBENZONITRILE			
BROMOXYNIL OCTANOATE			
OCTANOIC ACIDDIBROMOCYANOPHENYL ESTER			
DICHLOROFLUROETHANE			
HCFC-141B			
TETRACHLORODIBENZO-P-DIOXIN (TCDD)			
ACETONE THIOSEMICARBAZIDE	1,000/10,000		1,000
AMMONIUMTHIOCYANATE			
BENZENEDICHLORONITROPHENOXY)-			
NITROFEN			
BENFLURALIN			
BUTYLETHYLDINITROTRIFLUOROMETHYLBENZENAMINE			
AMMONIUMBENZOATE			
HEXACHLOROPROPENE			
BENZENEDICARBONITRILETETRACHLORO-			
CHLOROTHALONIL			
PARAQUATDICHLORIDE	10/10,000		10
ATRAZINE			
CHLOROETHYLMETHYLETHYL)-1,3,5-TRIAZINE-2,4-DIAMI			
DICAMBA			
DICHLOROMETHOXYBENZOICACID			
PICLORAM			
CHLOROMETHYLETHYLPHENYLACETAMIDE			
PROPACHLOR			

D ESTERS			
DETHYLHEXYL ESTER			
T ESTERS			
D ESTERS			
BUTOXYETHYL ESTER-2,4-D			
D ESTERS			
CHLOROTRICHLOROMETHYLPYRIDINE			
NITRAPYRIN			
CIDIRECTBLACK38			
CHLOROXURON	500/10,000		500
DICHLOROMETHOXYBENZOICACIDSODIUM SALT			
SODIUM DICAMBA			
TRIBUTYLINFLUORIDE			
VALINOMYCIN	1,000/10,000		1,000
T AMINES			
MERCAPTODIMETHUR	500/10,000		10
METHIOCARB	500/10,000		10
PARAQUATMETHOSULFATE	10/10,000		10
PHENYLSILATRANE	100/10,000		100
EPN	100/10,000		100
TRIBUTYLINMETHACRYLATE			
DIPOASSIUMENDOTHALL			
OXABICYCLOHEPTANEDICARBOXYLICACIDDIPO TASSIU			
FLUOMETURON			
UREADIMETHYLTRIFLUOROMETHYL)PHENYL]-			
AZEPINECARBOTHIOICACIDHEXAHYDRO-S-ETHYL ESTER			
MOLINATE			
CADMIUM STEARATE	1,000/10,000		1,000
THIOCARBAZIDE	1,000/10,000		1,000
OCTACHLORONAPHTHALEN			
DIGLYCIDYL ETHER	1,000		1,000
PROTHOATE	100/10,000		100
DIMETHYLAMINEDICAMBA			
CARBAMOTHOIC ACID, BIS(1-METHYLETHYL)-S-(2,3-DICHLORO-			
DIALLATE			
TRIALLATE			
PROPARGITE			
CHINOMETHIONAT			
METHYLDITHIOLOQUINOXALIN-2-ONE			
DODECYLGUANIDINEMONOACETATE			
DODINE			
OXYDISULFOTON	500		500
DIMETHYLCHLOROTHIOPHOSPHATE	500		500
DIMETHYLPHOSPHOROCHLORIDOTHIOATE	500		500
FORMOTHION	100		100
T ESTERS			
CYCLOHEXANEDIISOCYANATE			
PENTADECYLAMINE	100/10,000		100

PHOSPHOROTHIOICACIDDIMETHYLMETHYLTHIC	500		500
CIDIRECTBLUE6			
PROMECARB	500/10,000		1,000
CYANOPHOS	1,000		1,000
AZINPHOS-ETHYL	100/10,000		100
TRIMETHYLPHENYLMETHYLCARBAMATE			
PHOSPHONOTHIOIC ACID, METHYL-, O-(4-NITRO)	500		500
SULFURYLFLUORIDE			
VIKANE			
DSODIUM SALT			
PHOSPHONOTHIOIC ACID, METHYL-, O-ETHYL O	500		500
THALLOUS MALONATE	100/10,000		100
AMINOMETHYLISOXAZOLOL	500/10,000		1,000
MUSCIMOL	500/10,000		1,000
DIQUAT			
ENDOTHION	500/10,000		500
CIDISPERSEYELLOW			
CHLOROTETRAFLUOROETHANE2			
HCFC-124			
CHLORPYRIFOS			
FERRICAMMONIUMOXALATE			
CHLOROCROTYL ESTER			
D ESTERS			
AMMONIUMCITRATE, DIBASIC			
SILANE, (4-AMINOBTYL)DIETHOXYMETHYL-	1,000		1,000
CISOLVENTORANGE			
AMMONIUMTARTRATE			
CHLOROTOLUIDINE, HYDROCHLORIDE			
NAPHTHALENE DIISOCYANATE			
CUPRIC NITRATE			
PHOSPHORICACIDDIMETHYL 4-(METHYLTHIO) P	500		500
OCTACHLORODIBENZODIOXIN			
DIETHYLMETHYLDITHIOPHOSPHATE			
TEMEPHOS			
ZINCCARBONATE			
DDE			
SULFOXIDE, 3-CHLOROPROPYL OCTYL	500		500
BENZIMIDAZOLE,4,5-DICHLORO-2-(TRIFLUOROM	500/10,000		500
CHLOROMETHYLPHENOXYACETATESODIUMSALT			
METHOXONESODIUM SALT			
SULFOTEP	500		100
TETRAETHYLDITHIOPHOSPHATE	500		100
CHLOROPHACINONE	100/10,000		100
METHYLCHRYSENE5			
AMITON OXALATE	100/10,000		100
METHYLPHENKAPTON	500		500
CIFOODRED05			
T AMINES			

FUBERIDAZOLE	100/10,000	100
BITOSCANATE	500/10,000	500
CHLOROALLYLTRIAZA-1-AZONIAADAMANTANE CHLOR		
ISOPHORONE DIISOCYANATE	500	500
PHOSACETIM	100/10,000	100
DICHLOROSILANE		
SILANEDICHLORO-		
DIISOCYANATODIPHENYLETHER		
BUTENAL	1,000	100
CROTONALDEHYDE	1,000	100
FLUENETIL	100/10,000	100
PHENOLTHIOBIS[4-CHLORO-6-METHYL-	100/10,000	100
NITROSOMETHYL VINYL		
CIACIDGREEN3		
HEXAMETHYLENEDIAMINE, N,N'-DIBUTYL-	500	500
METHYLENEBISISOCYANATOCYCLOHEXANE)		
CARBOXIN		
DIHYDROMETHYLPHENYLOXATHIINCARBOXAMIDE		
THIOUREA, (2-CHLOROPHENYL)-	100/10,000	100
DIBENZOFLUORANTHENEAE		
NITROPYRENE		
CHLORPYRIFOSMETHYL		
DIMETHYLTRICHLOROPYRIDYLPHOSPHOROTHIOATE		
COUMATETRALYL	500/10,000	500
CUPRIC OXALATE		
CHLORODIMETHYLETHYLMETHYLPYRIMIDIN		
TERBACIL		
ETHANOLOXYBISDICARBAMATE		
AMMONIUMOXALATE		
AMMONIUMOXALATE		
T AMINES		
T AMINES		
CIACIDRED114		
THALLIUMCARBONATE	100/10,000	100
THALLOUS CARBONATE	100/10,000	100
MONOCROTOPHOS	10/10,000	10
CHLOROPHENYLPHENYLETHER		
BISMETHYLETHYLMETHYLTHIOTRIAZINEDIA		
PROMETRYN		
ENDRIN ALDEHYDE		
LEADSTEARATE		
ALUMINUM		
LEAD		
MANGANESE		
MERCURY		
NICKEL		
SILVER		
SODIUM		

THALLIUM			
ANTIMONY			
ARSENIC			
BARIUM			
BERYLLIUM			
CADMIUM			
CHROMIUM			
COBALT			
COPPER			
VANADIUM			
ZINC			
ZINC			
SELENIUMDIOXIDE			
SULFURDIOXIDE	500		500
SULFURDIOXIDE	500		500
SULFURTRIOXIDE	100		100
LEADSULFATE			
THALLIUMSULFATE	100/10,000		100
THALLOUS SULFATE	100/10,000		100
LEADPHOSPHATE			
CUPRIC CHLORIDE			
MERCURICCHLORIDE	500/10,000		500
SELENIUMSULFIDE			
TITANIUMCHLORIDE (TiCl4) (T-4)-	100		1,000
TITANIUMTETRACHLOR	100		1,000
SODIUM PHOSPHATE, DIBASIC			
LITHIUMHYDRIDE	100		100
SODIUM PHOSPHATE, TRIBASIC			
SODIUM ARSENATE	1,000/10,000		1
SODIUM BISULFITE			
SODIUM NITRITE			
BORANETRIFLUORO-	500		500
BORON TRIFLUORIDE	500		500
LEADARSENATE			
ZINCCHLORIDE			
HYDROCHLORICACID			
HYDROCHLORICACID			
HYDROCHLORICACIDAEROSOL			
HYDROGENCHLORIDE	500		5,000
HYDROGENCHLORIDE (Gas Only)	500		5,000
ANTIMONYPENTACHLORIDE			
PHOSPHORICACID			
HYDROFLUORICACID	100		100
HYDROFLUORICACID (CONC>)	100		100
HYDROGENFLUORIDE	100		100
HYDROGENFLUORIDE(ANHYDROUS)	100		100
AMMONIA	500		100
AMMONIA	500		100

AMMONIAS			
SULFURICACID	1,000		1,000
SULFURICACID	1,000		1,000
SODIUM FLUORIDE			
SODIUM HYPOCHLORITE			
DIMETHYLMETHYLPROPENYLCHLOROPANECARBOXYLIC A			
TETRAMETHRIN			
NITRICACID	1,000		1,000
NITRICACID	1,000		1,000
ZINCBROMIDE			
FERRICCHLORIDE			
NICKELCHLORIDE			
PHOSPHOROUSTRICHLORIDE	1,000		1,000
PHOSPHORUS TRICHLORIDE	1,000		1,000
FERROUSSULFATE			
POTASSIUMPERMANGANATE			
HYDROGENPEROXIDE (Conc.> 52%)	1,000		1,000
PHOSPHORUS	100		1
PHOSPHORUS	100		1
BROMINE	500		500
ZINCSULFATE			
CHROMIC ACID			
POTASSIUMBROMATE			
SODIUM PHOSPHATE, TRIBASIC			
FERROUSCHLORIDE			
LEADCHLORIDE			
CUPRIC SULFATE	1,000		
SILVERNITRATE			
AMMONIUMSULFAMATE			
SODIUM CHROMATE			
ARSENIC ACID			
CALCIUMARSENATE	500/10,000		1
POTASSIUMBICHROMATE			
CALCIUMHYPOCHLORITE			
ZINCHYDROSULFITE			
ZINCNITRATE			
FLUORINE	500		10
SELENIUM			
CHLORINE	100		10
FERROUSSULFATE			
SODIUM SELENITE			
MERCUROSNITRATE			
SELENIOUS ACID	1,000/10,000		10
HYDROGENSULFIDE	500		100
HYDROGENSELENIDE	10		10
MERCURICSULFATE			
LEADFLUORIDE			
ZINCFLUORIDE			

FERRICFLUORIDE			
ANTIMONYTRIFLUORIDE			
SULFURFLUORIDE (SF4), (T-4)-	100		100
SULFURTETRAFLUORIDE	100		100
ANTIMONYPENTAFLUORIDE	500		500
TELLURIUM HEXAFLUORIDE	100		100
ARSENOUS TRICHLORIDE	500		1
LEADARSENATE			
POTASSIUMARSENATE			
ARSINE	100		100
SODIUM ARSENITE	500/10,000		1
SODIUM PHOSPHATE, TRIBASIC			
MEVINPHOS	500		10
NICKELSULFATE			
BERYLLIUM CHLORIDE			
BERYLLIUM FLUORIDE			
BERYLLIUM NITRATE			
AMMONIUMCHROMATE			
POTASSIUMCHROMATE			
STRONTIUM CHROMATE			
AMMONIUMBICHROMATE			
CADMIUM BROMIDE			
COBALTOUS BROMIDE			
ANTIMONYTRIBROMIDE			
CHLOROSULFONIC ACID			
THALLIUMCHLORIDE TICl	100/10,000		100
THALLOUS CHLORIDE	100/10,000		100
CHLORINEMONOXIDE			
CHLORINEOXIDE			
SELENIUMOXYCHLORIDE	500		500
PHOSPHINE	500		100
AMMONIUMVANADATE			
SILANE			
CAMPHECHLOR	500/10,000		1
CAMPHENE, OCTACHLORO-	500/10,000		1
TOXAPHENE	500/10,000		1
CREOSOTE			
DICHLOROPROPANE - DICHLOROPROPENE (MIXTURE)			
PYRETHRINS			
OLEUM			
SULFURICACID (FUMING)			
SULFURICACIDMIXTURE WITH SULFUR TRIOXIDE			
DEMETON	500		500
METIRAM			
POLYMERICDIPHENYLMETHANEDIISOCYANATE			
SODIUM HYPOCHLORITE			
CHROMIC CHLORIDE	1/10,000		1
SILANETRICHORO-			



TRICHLOROSILANE			
PHOSPHORUS OXYCHLORIDE	500		1,000
PHOSPHORYLCHLORIDE	500		1,000
ANTIMONYTRICHLORIDE			
ZIRCONIUMTETRACHLORIDE			
PHOSPHORUS PENTACHLORIDE	500		500
OZONE	100		100
FERRICSULFATE			
THALLIUMSULFATE	100/10,000		100
HYDRAZINESULFATE			
SODIUM PHOSPHATE, DIBASIC			
ALUMINIUMSULFATE			
FERROUSAMMONIUM SULFATE			
MERCURICNITRATE			
CHLORINEDIOXIDE			
CHLORINEOXIDE (CLO2)			
CHROMOUS CHLORIDE			
DICHLOROPROPENE13T			
LEADNITRATE			
CHROMIC SULFATE			
LEADIODIDE			
SODIUM PHOSPHATE, TRIBASIC			
URANYL NITRATE			
SODIUM SELENITE	100/10,000		100
SODIUM TELLURITE	500/10,000		500
NITRICOXIDE	100		10
NITROGENOXIDE (NO)	100		10
NITROGEN DIOXIDE	100		10
THALLIUMNITRATE			
LEADARSENATE			
CADMIUM CHLORIDE			
POTASSIUMARSENITE	500/10,000		1
SODIUM PHOSPHATE, TRIBASIC			
SODIUM PHOSPHATE, DIBASIC			
ETHANOLDICHLOROACETATE	1,000		1,000
AMMONIUMBISULFITE			
AMMONIUMSULFITE			
COBALT CARBONYL	10/10,000		10
DIBROMONITRILOPROPIONAMIDE			
METHAMIDOPHOS	100/10,000		100
BORANETRICHORO-	500		500
BORON TRICHLORIDE	500		500
DIALIFOR	100/10,000		100
BISMETHYLISOCYANATECYCLOHEXANE			
SODIUM PHOSPHATE, TRIBASIC			
CUPRIC SULFATE, AMMONIATED			
MERCUROUSNITRATE			
FERRICNITRATE			

PHENYLMETHYLFURANYLMETHYLDIMETHYLMETHYL			
RESMETHRIN			
METHACROLEIN DIACETATE	1,000		1,000
NITROGEN DIOXIDE			
SODIUM BICHROMATE			
CARBENDAZIM			
AROCLOR 1260			
AROCLOR 1254			
AROCLOR 1221			
CHROMIC ACID			
AROCLOR 1232			
CUPRIC ACETOARSENITE	500/10,000		1
PARIS GREEN	500/10,000		1
SELENIOUS ACID, DITHALLIUM(1+) SALT			
NICKELHYDROXIDE			
MANGANESE TRICARBONYL METHYLCYCLOPEN	100		100
CARBAMODITHIOICACIDETHANEDIYLBIS-, ZINC COMPLEX			
ZINEB			
AMMONIUMFLUORIDE			
AMMONIUMCHLORIDE			
AMMONIUMSULFIDE			
CARBAMODITHIOICACIDETHANEDIYLBIS-, MANGANESE COMPLEX			
MANEB			
AROCLOR 1248			
AROCLOR 1016			
SULFURMONOCHLORIDE			
TERBUFOS	100		100
PHOSPHAMIDON	100		100
ETHOPROP	1,000		1,000
ETHOPROPHOS	1,000		1,000
PHOSPHORODITHIOICACIDETHYLDIPROPYL EST	1,000		1,000
FENBUTATINOXIDE			
HEXAKISMETHYLPHENYLPROPYLDISTANNOXANE			
SODIUM SELENATE	100/10,000		100
GALLIUM TRICHLORIDE	500/10,000		500
NICKELCARBONYL	1		10
IRONCARBONYL (FE(CO)5), (TB-5-11)-	100		100
IRONPENTACARBONYL-	100		100
DICHLOROPENTAFLUOROPROPANE (HCFC-225CC)			
HCFC-225CC			
T SALTS			
BERYLLIUM NITRATE			
DESMEDIPHAM			
ZIRCONIUMNITRATE			
CALCIUMCHROMATE			
LEADFLUORORATE			
AMMONIUMFLUORORATE			
BUTYLAMINE-S			

COBALTOUS SULFAMATE			
SALCOMINE	500/10,000		500
NICKELNITRATE			
AMMONIUMOXALATE			
LITHIUMCHROMATE			
AMMONIUMTARTRATE			
FERBAM			
TRISDIMETHYLCARBAMODITHIOATO-S,S')IRON			
ZINCAMMONIUM CHLORIDE			
ZINCAMMONIUM CHLORIDE			
ZIRCONIUMSULFATE			
BICYCLO[2.2.1]HEPTANE-2-CARBONITRILE, 5-CH	500/10,000		500
MANGANESEBISDIMETHYLCARBAMODITHIOATO-S,S')-			
TRIMETHYLHEXAMETHYLENEDIISOCYANATE			
NICKELAMMONIUM SULFATE			
LEADSULFATE			
TRICHLOROPHENOL-A			
ALACHLOR			
CIDIRECTBROWN95			
NITROSONICOTINE			
SODIUM HYDROSULFIDE			
ETHANIMIDOTHIOICACIDMETHYLAMINO)CARBO	500/10,000		100
METHOMYL	500/10,000		100
ZINCSILICOFLUORIDE			
AMMONIUMSILICOFLUORIDE			
ZIRCONIUMPOTASSIUM FLUORIDE			
TRIMETHYLHEXAMETHYLENEDIISOCYANATE			
DECABORANE(14)	500/10,000		500
FORMIPARANATE	100/10,000		100
BENOMYL			
STREPTOZOTOCIN			
DIPROPYLAMINODINITROBENZENESULFONAMIDE			
ORYZALIN			
DIBORANE	100		100
DIBORANE(6)	100		100
HEXACHLORODIBENZODIOXIN			
PENTABORANE	500		500
DICHLOROMETHYLETHOXYPHENYLDIMETHYLETH			
OXYDIAZON			
DIANISIDINEDIHYDROCHLORIDE			
DIMETHOXYBENZIDINEDIHYDROCHLORIDE			
DICHLOROPHENYLMETHYLOXADIAZOLIDINEDIO			
METHAZOLE			
OSMIUM OXIDE OSO4 (T-4)-			
OSMIUMTETROXIDE			
DIGOXIN	10/10,000		10
DAUNOMYCIN			
ALUMINUMPHOSPHIDE	500		100

METRIBUZIN			
FOSTHIETAN	500		500
LEPTOPHOS	500/10,000		500
CYANAZINE			
MERCURICOXIDE	500/10,000		500
CHLORTHIOPHOS	500		500
FENAMIPOHOS	10/10,000		10
BENDIOCARB			
DIMETHYLBENZODIOXOLOL METHYLCARBAMATE			
BENDIOCARBPHENOL			
OXAMYL	100/10,000		100
FORMETANATEHYDROCHLORIDE	500/10,000		100
PIRIMIFOS-ETHYL	1,000		1,000
THIOPHANATEMETHYL			
PHENYLENEBISIMINOCARBONOTHIOYLBISCARBAMIC ACID DIET			
THIOPHANATEETHYL			
BENZAMIDE,3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL			
PRONAMIDE			
TRIAZOFOS	500		500
CHLORMEPHOS	500		500
DINITROBENZENE (MIXED)			
NITROPHENOL (MIXED)			
SODIUM DODECYLBENZENESULFONATE			
BUTENE			
TRICHLOROPHENOL			
T ESTERS			
D ESTERS			
ETHOXYLMETHYLETHYLAMINOPHOSPHINOTHIOYLOXYBENZOI			
ISOFPHOS			
DINITROTOLUENEA			
DICHLOROBENZENE			
DICHLOROBENZENEMIX			
DIAMINOTOLUENEMIXE			
TOLUENEDIAMINE			
DINITROPHENOLA			
DIMETHYLMETHYLPROPENYLCYCLOPROPANECARBOXYLIC A			
PHENOTHRIN			
CALCIUMDODECYLBENZENESULFONATE			
CARBAMIC ACIDMETHYL-, O-(((2,4-DIMETHYL-1,3	100/10,000		100
BENZENEDIISOCYANATOMETHYL			
TOLUENEDIISOCYANATEM			
TOLUENEDIISOCYANATEU			
SODIUM AZIDE (Na(N3))	500		1,000
DICHLOROPROPANE			
PIPERAZINEDIYLBISTRICHLOROETHYLIDENE	BISF		
TRIFORINE			
DICHLOROPROPENE			
TRICHLORODICHLOROPHENYL)SILANE	500		500

DODECYLBENZENESULFONIC ACID		
CHLOROMETHYLAMINOTRIFLUOROMETHYLPHENYL]-3(2H)		
NORFLURAZON		
TRITHANOLAMINE DODECYLBENZENE SULFONATE		
VANADYL SULFATE		
ALLETHRIN		
CHRYSANTHEMICACID OF D-ALLETHRONE		
CARBAMIC ACIDDIETHYLTHIOCHLOROBENZYL)		
THIOBENCARB		
ANTIMONYPOTASSIUM TARTRATE		
XYLYLENE DICHLORIDE	100/10,000	100
CIDIRECTBLUE218		
BROMADIOLONE	100/10,000	100
OCTACHLOROSTYRENE		
DIETHYLAMINOMETHYLPYRIMIDINYLDIMETHYLPHO		
PIRIMPHOSMETHYL		
PARAFORMALDEHYDE		
ETHANIMIDOTHIOICACIDDIMETHYLAMINO)-N-HYDROXY		
ACEPHATE		
ACETYLPHOSPHORAMIDOTHIOICACIDDIMETHYL ESTER		
METHACRYLOYLOXYETHYL ISOCYANATE	100	100
ETHYLAMINOMETHOXYPHOSPHINOTHIOILOXYBUTENOIC ACID,		
PROPETAMPHOS		
TP ESTERS		
AMITRAZ		
ENDOSULFAN		
DIMETHYLETHYLTHIADIAZOLYLDIMETHY		
TEBUTHIURON		
DICHLOROTRIFLUOROETHANE		
DIFLUBENZURON		
ETHYLMETHYLTHIOPHENYLPHOSPHORODITHIOIC ACID S-PRO		
SULPROFOS		
DICHLOROPHENYLPROPENILOXYETHYLIMIDAZO		
IMAZALIL		
BROMOBROMOMETHYL)-1,3-PROPANEDICARBONITRILE		
HEPTACHLORODIBENZODIOXIN		
URANYL NITRATE		
NICKELCHLORIDE		
BISMETHYLISOCYANATECYCLOHEXANE		
DIETHATYLETHYL		
OCTACHLORODIBENZOFURAN		
DIAMINOANISOLESULF		
THIOFANOX	100/10,000	100
HEXACHLORODIBENZODIOXIN		
DINOCAP		
FENPROPATHRIN		
TETRAMETHYLCYCLOPROPANECARBOXYLICACIDCYANOPHEN		
PENTACHLORODIBENZODIOXIN		

ETHYLPROPYLDIMETHYLDINITROBENZENAMINE	
PENDIMETHALIN	
BROMOCHLOROPHENYLETHYLPROPYLPHOSPHOROTHIOATE	
PROFENOFOS	
DIMETHYLBENZIDINEDIHYDROFLUORIDE	
TOLIDINEDIHYDROFLUORIDE	
ISOPROPANOLAMINE DODECYLBENZENE SULFONATE	
OXYFLUORFEN	
CHLOROPHENOXYDIMETHYLTRIAZOLYL	
TRIADIMEFON	
DICHLOROPHENYLETHENYLMETHYLOXAZOLIDINEDIO	
VINCLOZOLIN	
PHOSPHONOTHIOIC ACID, METHYL-, S-(2-(BIS(1- 100	100
TETRACHLORODIBENZOFURAN	
HEXAZINONE	
DICHLOROPHENOXYPHENOXYPROPANOICACIDMETHYL EST	
DICLOFOPMETHYL	
CHLOROMETHYLETHYLBENZENEACETICACIDCYANOPHE	
FENVALERATE	
ZINCAMMONIUM CHLORIDE	
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLI	
PERMETHRIN	
LEADSTEARATE	
CALCIUMARSENITE	
CARBAMOTHOICACIDIPROPYL-, S-(PHENYLMETHYL) ES	
BROMACIL, LITHIUM SALT	
PYRIMIDINEDIONE BROMOMETHYLMETHYLPRO	
DETHYLMETHYLPENTYL ESTER	
DAZOMET SODIUM SALT	
TETRAHYDRODIMETHYLTHIADIAZINETHIONEION(1	
D ESTERS	
AROCLOR 1242	
PYRIMINIL	100/10,000
CARBOSULFAN	
DIHYDRODIMETHYLDITHIINTETRAOXIDE	
DIMETHIPIN	
IODOPROPYNYL BUTYLCARBAMATE	
FERRICAMMONIUMOXALATE	
HEPTACHLORODIBENZOFURAN	
LEADSTEARATE	
PENTACHLORODIBENZOFURAN	
PENTACHLORODIBENZOFURAN	
HEXACHLORODIBENZOFURAN	
TRICLOPYRTRIETHYLAMMONIUM SALT	
HEXACHLORODIBENZODIOXIN	
ZINCDICHLORO(4,4-DIMETHYL-5(((METHYLAMIN 100/10,000	100
THIODICARB	
CHLOROPHENYLCHLOROPHENYLPYRIMIDIN	

FENARIMOL		
DICHLOROPHENYLPROPYLDIOXOLANYLMETHYL		
PROPICONAZOLE		
HEXACHLORODIBENZOFURAN		
T ESTERS		
COBALT, ((2,2'-(1,2-ETHANEDIYL)BIS (NITRILOME	100/10,000	100
ACIFLUORFEN, SODIUM SALT		
CHLOROTRIFLUOROMETHYLPHENOXY)-2-NITROBENZOIC ACID,		
CHLOROTETRAFLUROETHANE		
CHLOROMETHOXYMETHYLTRIAZINYLAMINO]CA		
CHLORSULFURON		
DICHLOROBENZIDINESULFATE		
CHLOROBENZOXAZOLYLENOXYPHENOXYPROPANOICACID,		
FENOXAPROPETHYL		
HYDRAMETHYLNON		
TETRAHYDRODIMETHYLPYRIMIDINONETRIFLUOROME		
HEPTACHLORODIBENZOFURAN		
CHLOROTRIFLUOROPROPENYLDIMETHYLCYCLOPRO		
CYHALOTHRIN		
CYFLUTHRIN		
DICHLOROETHENYLDIMETHYLCYCLOPROPANECARBOXYLIC A		
CHLOROTRIFLUOROMETHYLPHENYLVALINE(+)-CYANO(3-		
FLUVALINATE		
FLUAZIFOPBUTYL		
TRIFLUOROMETHYLPYRIDINYLOXYPHENOXYPROPANOIC		
HEXACHLORODIBENZOFURAN		
ABAMECTIN AVERMECTIN B1		
AVERMECTIN B1		
CHLOROTRIFLUOROMETHYLPHENOXYMETHYLSULFONYL)-2-		
FOMESAFEN		
FENOXYCARB		
PHENOXYPHENOXYETHYLCARBAMICACIDETHYLESTER		
HEXACHLORODIBENZOFURAN		
ETHOXYIMINO BUTYLETHYLTHIOPROPYLHYDROXYL		
SETHOXYDIM		
METHYLDIPHENYLMETHANEDIISOCYANATE		
DIISOCYANATODIPHENYLSULFIDE		
CHLOROQUINOXALINYLOXYPHENOXYPROPANOIC ACID E		
QUIZALOFOPETHYL		
Benzoic acid chlorotrifluoromethylphenoxynitroethoxymethyl oxethyl ester		
CHLOROTRIFLUOROMETHYLPHENOXYNITROETHOXYM		
LACTOFEN		
BIFENTHRIN		
BUTYLCHLOROPHENYLTRIAZOLE-1-P		
MYCLOBUTANIL		
DICHLOROTRIFLUOROETHANE		
CHLORIMURON ETHYL		
ETHYLCHLOROMETHOXYPRIMIDINYLCARBONYLAMINO		

METHOXYMETHYLTRIAZINYLMETHYLAMINOCARBON	
TRIBENURONMETHYL	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EB)	
HCFC-225EB	
DIANISIDINEHYDROCHLORIDE	
DIMETHOXYBENZIDINEHYDROCHLORIDE	
DICHLOROPENTAFLUOROPROPANE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225AA)	
HCFC-225AA	
DIETHYLDIISOCYANATOBENZENE	
DICHLOROPENTAFLUOROPROPANE (HCFC-225EA)	
HCFC-225EA	
ANTIMONYCOMPOUNDS	
ARSENIC COMPOUNDS	
BARIUM COMPOUNDS	
BERYLLIUM COMPOUNDS	
CADMIUM COMPOUNDS	
CHLORINATED PHENOLS	
CHLOROPHENOLS	
CHROMIUM AND COMPOUNDS	
COBALT COMPOUNDS	
COPPER COMPOUNDS	
CYANIDE COMPOUNDS	
DIISOCYANATES	
DIOXIN AND DIOXIN-LIKE COMPOUNDS	
ETHYLENEBISDITHIOCARBAMIC ACID SALTS AND ESTERS	
GLYCOL ETHERS	
LEADCOMPOUNDS	
MANGANESECOMPOUNDS	
MERCURY COMPOUNDS	
NICKELCOMPOUNDS	
NICOTINE AND SALTS	
NITRATECOMPOUNDS	
POLYBROMINATED BIPHENYLS (PBBS)	
POLYCHLORINATED ALKANES	
POLYCYCLIC AROMATIC COMPOUNDS	
SELENIUMCOMPOUNDS	
SILVER AND COMPOUNDS	
STRYCHNINE	
THALLIUMCOMPOUNDS	
VANDIUM COMPOUNDS	
WARFARIN AND SALTS	
ZINCCOMPOUNDS	

AND UNLISTED HAZARDOUS WASTES. THE DESCRIPTIONS OF THE WASTE STREAMS HAVE BEEN REFINED TO BE MORE SPECIFIC. FOR MORE INFORMATION, SEE 40 CFR PART 302 AND TABLE 302.4





100		313			
1,000		313	P097		
1		313+^	U063		
1		313	U005		
100		313c	P075		
100		313c	P075		
100			P075		
1		313	U174		
		313			
		X			
		313			
10		313	P081		
100			P043		
100			P043		
10			U164		
10		313	U211		
		313			
10		313	P089		
10		X	P089		
10		313+^	U157		
1			U089		
10		313+^	U018		
10					
10		313c	P030		
10		313	U098	15,000	
10		X	U098	15,000	
10		X	U098	15,000	
10		313c	P108		
10		313c	P108		
		313			
		313			
100			P204		
10		313			
100			P188		
1		313^	U036		
1		X	U036		
1		313+^	U094		
1		X	U129		
1		X	U129		
1		313	U129		
10		313c			
5,000			U039		
1		313			
5,000					

		313		
10		313	U093	
10		X	U093	
100			U117	10,000
100			U117	10,000
10		X	P068	15,000
10		313	P068	15,000
100		313		
10		313c		
10		313	P044	
1			P037	
10		313	U011	
100		313c	P092	
100		313c	P092	
100			U187	
1			U119	
5,000		313	U012	
10		313	U218	
10		313	U219	
10		313		
10		X		
10		X	P058	
10		313	P058	
10		X	P082	
10		313	P082	
10		X	P082	
100		313	U279	
100		X	U279	
10			P202	
5,000		313	U123	
5,000				
10		313		
		313		
100		313c		
5,000				
10			U237	
5,000		313	U154	
		313		
5,000			U002	
10		313	U044	20,000
10		X	U044	20,000
100		313	U131	
100		X		
100		313		
		X		
		313		
		313		

10		U163	
100		313 U132	
5,000		313 U031	
10		313 U019	
1,000		X U226	
1,000		313 U226	
1		P051	
1		X U247	
1		313^ U247	
1		U060	
1			
10		313 U236	
			10,000
1,000		313 U029	
1,000		X U029	
			10,000
		X	10,000
		313	10,000
			10,000
			10,000
100		313 U045	10,000
100		X U045	10,000
100		X U045	10,000
100		313 U138	
100			10,000
100			10,000
10		X P063	2,500
10		313 P063	2,500
100		X U153	10,000
100		313s U153	10,000
100		X U153	10,000
1,000		313 U068	
			10,000
			10,000
			10,000
100		313	10,000
100		X	10,000
100		X	10,000
1		X U043	10,000
1		313 U043	10,000
			10,000
			10,000
100			10,000
100			10,000
5,000		313 U003	
1,000		313 U001	10,000



5,000	313	U121	
5,000	X	U121	
5,000	X	U075	
5,000	313	U075	
	X		
	313		
			10,000
	313c		10,000
			10,000
			10,000
			10,000
			10,000
			5,000
			5,000
			5,000
			5,000
10	X	P069	
10	313	P069	
5,000		U034	
	313		
	X		
5,000			
10	313	U184	
	313		
	313		
	X		
	313		
	X		
	313		
	X		
	313		
1	313		
1	313^	P059	
	X	P059	
	313		
10	313	U130	
	313		
100	313	U103	
10	313c	P110	
	X		
	313		
5,000			
			10,000
			10,000
100			10,000

100				10,000	
1,000					
				20,000	
				20,000	
5,000			U140		
		313			
1,000		313	U083		
1,000		X	U083		
100		313			
		313			
5,000			U159		
5,000			U159		
1,000					
100		313	U227		
100		313	U228		
5,000		313	U007		
5,000					
5,000		313	U008		
100		313			
100		313	P116		
		X		10,000	
		313		10,000	
1,000		X	U156	5,000	
1,000		313	U156	5,000	
1,000		X	U156	5,000	
5,000					
100		313	U209		
				10,000	
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1,000	D038
100	D039
100	D040
10	D041
10	D042
1	D043

**Notes - Document Posted June 2015**

\* There are no *de minimis* levels for PBT che

“Color Index” indicated by “C.I.”

*de minimis* % limit for the following chemica

Arsenic Compounds:

Chromium Compounds:

Cobalt Compounds:

Polychlorinated alkanes (C<sub>10</sub> to C<sub>13</sub>):

descriptions. For categories whose members :  
explanation, consult the Reporting Forms and

chemicals, except for supplier notification purposes

all categories is as indicated below.

inorganic compounds: 0.1; organic compounds: 1.0

chromium VI compounds: 0.1; chromium III compounds: 1.0

inorganic compounds: 0.1; organic compounds: 1.0

1.0, except for those members of the category that have an average chain length of 12 carbons and contain an average chlorine content of 60% by weight which are subject to the 0.1% de minimis

are listed individually, the individual chemicals and the category to which they belong are listed as well. For additional Instructions.

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60-35-5

75-05-8

98-86-2

53-96-3

62476-59-9

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79-06-1

79-10-7

107-13-1

15972-60-8

116-06-3

309-00-2

28434-00-6

107-18-6

107-11-9

107-05-1

7429-90-5

1344-28-1

20859-73-8

834-12-8

117-79-3

60-09-3

92-67-1

81-49-2

82-28-0

33089-61-1

61-82-5

7664-41-7

101-05-3

62-53-3



90-04-0

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134-29-2

120-12-7

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7440-38-2

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1912-24-9

7440-39-3

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92-87-5

191-24-2

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94-36-0

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111-44-4

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75-63-8

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N575  
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N590  
56-55-3\*  
218-01-9\*  
50-32-8\*  
205-99-2\*  
205-82-3\*  
207-08-9\*  
206-44-0\*  
189-55-9\*  
226-36-8\*  
224-42-0\*  
53-70-3\*  
5385-75-1\*  
192-65-4\*  
189-64-0\*  
191-30-0\*  
194-59-2\*  
57-97-6\*  
42397-64-8\*  
42397-65-9\*  
193-39-5\*  
56-49-5\*  
3697-24-3\*  
7496-02-8\*  
5522-43-0\*  
57835-92-4\*  
N725  
N740  
N746

N760  
N770  
N874  
N982  
68391-08-2  
97659-47-7  
68188-12-5  
3825-26-1  
68515-62-8  
68187-25-7  
383-07-3  
68141-02-6  
67584-42-3  
68156-07-0  
68156-01-4  
3107-18-4  
2043-53-0  
67906-42-7  
27619-90-5  
678-39-7  
118400-71-8  
2043-54-1  
27619-91-6  
865-86-1  
65104-65-6  
65636-35-3  
56773-42-3  
182176-52-9  
65530-74-7  
65530-63-4  
65530-64-5  
1691-99-2  
423-82-5  
376-14-7  
72623-77-9  
72968-38-8  
178535-23-4  
2991-51-7  
55910-10-6  
67584-62-7  
67584-53-6  
67584-52-5  
1652-63-7  
25268-77-3  
68555-76-0  
68957-62-0  
68259-07-4

70225-15-9  
60270-55-5  
335-71-7  
65510-55-6  
60699-51-6  
13252-13-6  
62037-80-3  
135228-60-3  
68555-75-9  
68259-08-5  
3871-99-6  
70225-16-0  
29457-72-5  
376-27-2  
17202-41-4  
16517-11-6  
65104-67-8  
31506-32-8  
24448-09-7  
2263-09-4  
61660-12-6  
178094-69-4  
67969-69-1  
29081-56-9  
70225-14-8  
335-66-0  
68555-74-8  
3872-25-1  
68259-09-6  
70225-17-1  
71608-60-1  
335-76-2  
307-55-1  
355-46-4  
375-95-1  
1763-23-1  
335-67-1  
21652-58-4  
507-63-1  
307-35-7  
67905-19-5  
376-06-7  
68412-69-1  
68412-68-0  
74499-44-8  
123171-68-6  
65530-83-8

65530-69-0  
65605-56-3  
65605-57-4  
65530-59-8  
65530-66-7  
65605-73-4  
65530-65-6  
65530-61-2  
95144-12-0  
65530-72-5  
65530-71-4  
80010-37-3  
65530-62-3  
65530-70-3  
56372-23-7  
29117-08-6  
68958-60-1  
68958-61-2  
68298-80-6  
68298-81-7  
65545-80-4  
70983-59-4  
37338-48-0  
68259-39-2  
68259-38-1  
68310-17-8  
2795-39-3  
2395-00-8  
1078715-61-3  
38006-74-5  
70983-60-7  
52166-82-2  
67584-58-1  
68555-81-7  
68957-58-4  
68957-55-1  
68957-57-3  
238420-80-9  
238420-68-3  
148240-89-5  
148240-85-1  
148240-87-3  
1078142-10-5  
68187-47-3  
68227-96-3  
68298-62-4  
65605-58-5

59071-10-2  
68867-60-7  
150135-57-2  
196316-34-4  
65605-59-6  
68239-43-0  
68555-91-9  
2144-54-9  
65104-45-2  
1996-88-9  
4980-53-4  
142636-88-2  
68084-62-8  
6014-75-1  
200513-42-4  
67584-57-0  
67584-56-9  
61798-68-3  
83048-65-1  
78560-44-8  
125476-71-3  
143372-54-7  
335-93-3  
335-95-5  
4151-50-2  
180582-79-0  
30046-31-2  
68758-57-6  
39239-77-5  
27905-45-9  
17741-60-5  
34362-49-7  
34395-24-9  
97553-95-2  
68140-18-1  
1078712-88-5  
68140-20-5  
70969-47-0  
68140-21-6



**Chemical Name**

Abamectin

Acephate

Acetaldehyde

Acetamide

Acetonitrile

Acetophenone

2-Acetylaminofluorene

Acifluorfen, sodium salt

Acrolein

Acrylamide

Acrylic acid

Acrylonitrile

Alachlor

Aldicarb

Aldrin

d-trans-Allethrin

Allyl alcohol

Allylamine

Allyl chloride

Aluminum (fume or dust)

Aluminum oxide (fibrous forms) (Alumina)

Aluminum phosphide

Ametryn

2-Aminoanthraquinone

4-Aminoazobenzene

4-Aminobiphenyl

1-Amino-2,4-dibromoanthraquinone

1-Amino-2-methylantraquinone

Amitraz

Amitrole

Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)

Anilazine

Aniline

o-Anisidine

p-Anisidine

o-Anisidine hydrochloride

Anthracene

Antimony

Arsenic

Asbestos (friable)

Atrazine

Barium

Bendiocarb

Benfluralin

Benomyl

Benzal chloride

Benzamide

Benzene

Benzidine

Benzo[g,h,i]perylene

Benzoic trichloride (Benzotrichloride)

Benzoyl chloride

Benzoyl peroxide

Benzyl chloride

Beryllium

Bifenthrin

Biphenyl

2,2-Bis(bromomethyl)-1,3-propanediol

Bis(2-chloroethoxy)methane

Bis(2-chloroethyl) ether

Bis(chloromethyl) ether

Bis(2-chloro-1-methylethyl) ether

Bis(tributyltin) oxide

Boron trichloride

Boron trifluoride

Bromacil

Bromacil, lithium salt

Bromine

1-Bromo-1-(bromomethyl)-1,3-propanedicarbonitrile

Bromochlorodifluoromethane (Halon 1211)

Bromoform (Tribromomethane)

Bromomethane (Methyl bromide)

1-Bromopropane

Bromotrifluoromethane (Halon 1301)

Bromoxynil

Bromoxynil octanoate

Brucine

1,3-Butadiene

Butyl acrylate

n-Butyl alcohol (1-Butanol)

sec-Butyl alcohol (2-Butanol)

tert-Butyl alcohol (tert-Butanol)

1,2-Butylene oxide

Butyraldehyde

C.I. Acid Green 3

C.I. Acid Red 114

C.I. Basic Green 4 (Malachite green)

C.I. Basic Red 1

C.I. Direct Black 38

C.I. Direct Blue 6

C.I. Direct Blue 218

C.I. Direct Brown 95

C.I. Disperse Yellow 3

C.I. Food Red 5

C.I. Food Red 15 (Rhodamine B)

C.I. Solvent Orange 7

C.I. Solvent Yellow 3

C.I. Solvent Yellow 14

C.I. Solvent Yellow 34 (Auramine)

C.I. Vat Yellow 4

Cadmium

Calcium cyanamide

Captan

Carbaryl

Carbofuran

Carbon disulfide

Carbon tetrachloride

Carbonyl sulfide

Carboxin

Catechol

Chinomethionate

Chloramben

Chlordane

Chlorendic acid

Chlorimuron-ethyl

Chlorine

Chlorine dioxide

Chloroacetic acid

2-Chloroacetophenone

1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride

p-Chloroaniline

Chlorobenzene

Chlorobenzilate

1-Chloro-1,1-difluoroethane (HCFC-142b)  
Chlorodifluoromethane (HCFC-22)  
Chloroethane  
Chloroform  
Chloromethane  
Chloromethyl methyl ether  
3-Chloro-2-methyl-1-propene  
p-Chlorophenyl isocyanate  
Chloropicrin  
Chloroprene  
3-Chloropropionitrile  
Chlorotetrafluoroethane  
1-Chloro-1,1,2,2-tetrafluoroethane (HCFC-124a)  
2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)  
Chlorothalonil  
p-Chloro-o-toluidine (4-Chloro-2-methylaniline)  
2-Chloro-1,1,1-trifluoroethane (HCFC-133a)  
Chlorotrifluoromethane (CFC-13)  
3-Chloro-1,1,1-trifluoropropane (HCFC-253fb)  
Chlorpyrifos-methyl  
Chlorsulfuron  
Chromium  
Cobalt  
Copper  
Creosote  
p-Cresidine  
Cresol (mixed isomers)  
m-Cresol  
o-Cresol  
p-Cresol

Crotonaldehyde

Cumene

Cumene hydroperoxide

Cupferron

Cyanazine

Cycloate

Cyclohexane

Cyclohexanol

Cyfluthrin

Cyhalothrin

2,4-D

Dazomet

Dazomet, sodium salt

2,4-DB

2,4-D 2-butoxyethyl ester

2,4-D butyl ester

2,4-D chlorocrotyl ester

Decabromodiphenyl oxide

Desmedipham

2,4-D 2-ethylhexyl ester

2,4-D 2-ethyl-4-methylpentyl ester

Diallate

2,4-Diaminoanisole

2,4-Diaminoanisole sulfate

4,4'-Diaminodiphenyl ether

Diaminotoluene (mixed isomers) (Toluenediamine)

2,4-Diaminotoluene (2,4-Toluenediamine)

Diazinon

Diazomethane

Dibenzofuran

1,2-Dibromo-3-chloropropane

1,2-Dibromoethane (Ethylene dibromide)

Dibromotetrafluoroethane (1,2-Dibromo-1,1,2,2-tetrafluoroethane)

Dibutyl phthalate

Dicamba

Dichloran

Dichlorobenzene (mixed isomers)

1,2-Dichlorobenzene (o-Dichlorobenzene)

1,3-Dichlorobenzene (m-Dichlorobenzene)

1,4-Dichlorobenzene (p-Dichlorobenzene)

3,3'-Dichlorobenzidine

3,3'-Dichlorobenzidine dihydrochloride

3,3'-Dichlorobenzidine sulfate

Dichlorobromomethane

1,4-Dichloro-2-butene

trans-1,4-Dichloro-2-butene

1,2-Dichloro-1,1-difluoroethane (HCFC-132b)

Dichlorodifluoromethane (CFC-12)

1,2-Dichloroethane

1,2-Dichloroethylene

1,1-Dichloro-1-fluoroethane (HCFC-141b)

Dichlorofluoromethane (HCFC-21)

Dichloromethane (Methylene chloride)

Dichloropentafluoropropane

1,1-Dichloro-1,2,2,3,3-pentafluoropropane (HCFC-225cc)

1,1-Dichloro-1,2,3,3,3-pentafluoropropane (HCFC-225eb)

1,2-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225bb)

1,2-Dichloro-1,1,3,3,3-pentafluoropropane (HCFC-225da)

1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)

1,3-Dichloro-1,1,2,3,3-pentafluoropropane (HCFC-225ea)

2,2-Dichloro-1,1,1,3,3-pentafluoropropane (HCFC-225aa)

2,3-dichloro-1,1,1,2,3-pentafluoropropane (HCFC-225ba)  
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)  
Dichlorophene  
2,4-Dichlorophenol  
1,2-Dichloropropane  
2,3-Dichloropropene  
trans-1,3-Dichloropropene  
1,3-Dichloropropylene (1,3-Dichloropropene)  
Dichlorotetrafluoroethane (CFC-114)  
Dichlorotrifluoroethane  
Dichloro-1,1,2-trifluoroethane  
1,1-Dichloro-1,2,2-trifluoroethane (HCFC-123b)  
1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)  
2,2-Dichloro-1,1,1-trifluoroethane (HCFC-123)  
Dichlorvos  
Diclofop methyl  
Dicofol  
Dicyclopentadiene  
Diepoxybutane  
Diethanolamine  
Diethyl ethyl  
Di(2-ethylhexyl) phthalate  
Diethyl sulfate  
Diflubenzuron  
Diglycidyl resorcinol ether  
Dihydrosafrole  
Dimethipin  
Dimethoate  
3,3'-Dimethoxybenzidine  
3,3'-Dimethoxybenzidine dihydrochloride  
3,3'-Dimethoxybenzidine monohydrochloride  
Dimethylamine  
Dimethylamine dicamba  
4-Dimethylaminoazobenzene



N,N-Dimethylaniline  
3,3'-Dimethylbenzidine  
3,3'-Dimethylbenzidine dihydrochloride  
3,3'-Dimethylbenzidine dihydrofluoride  
Dimethylcarbamoyl chloride  
Dimethyl chlorothiophosphate  
N,N-Dimethylformamide  
1,1-Dimethylhydrazine  
2,4-Dimethylphenol  
Dimethyl phthalate  
Dimethyl sulfate  
m-Dinitrobenzene  
o-Dinitrobenzene  
p-Dinitrobenzene  
Dinitrobutyl phenol (Dinoseb)  
4,6-Dinitro-o-cresol  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
Dinitrotoluene (mixed isomers)  
Dinocap  
1,4-Dioxane  
Diphenamid  
Diphenylamine  
1,2-Diphenylhydrazine  
Dipotassium endothall  
Dipropyl isocinchomeronate  
Disodium cyanodithioimidocarbonate  
2,4-D isopropyl ester

2,4-Dithiobiuret (Dithiobiuret)

Diuron

Dodine

2,4-DP (Dichlorprop)

2,4-D propylene glycol butyl ether ester (2,4-D 2-butoxymethylethyl ester)

2,4-D sodium salt

Epichlorohydrin

Ethoprop

2-Ethoxyethanol

Ethyl acrylate

Ethylbenzene

Ethyl chloroformate

S-Ethyl dipropylthiocarbamate

Ethylene

Ethylene glycol

Ethyleneimine (Aziridine)

Ethylene oxide

Ethylene thiourea

Ethylidene dichloride (1,1-Dichloroethane)

Famphur

Fenarimol

Fenbutatin oxide

Fenoxaprop-ethyl

Fenoxycarb

Fenprothrin

Fenthion

Fenvalerate

Ferbam

Fluazifop-butyl

Fluometuron

Fluorine

Fluorouracil (5-Fluorouracil)

Fluvalinate

Folpet

Fomesafen

Formaldehyde

Formic acid

Freon 113 (CFC-113)

Furan

Glycidol

Heptachlor

Hexachlorobenzene

Hexachloro-1,3-butadiene (Hexachlorobutadiene)

alpha-Hexachlorocyclohexane

Hexachlorocyclopentadiene

Hexachloroethane

Hexachloronaphthalene

Hexachlorophene

Hexamethylphosphoramide

n-Hexane (Hexane)

Hexazinone

Hydramethylnon

Hydrazine

Hydrazine sulfate (1:1)

Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Hydrogen cyanide

Hydrogen fluoride (Hydrofluoric acid)

Hydrogen sulfide

Hydroquinone

Imazalil

3-Iodo-2-propynyl butylcarbamate

Iron pentacarbonyl

Isobutyraldehyde

Isufenphos

Isoprene

Isopropyl alcohol (Isopropanol) (only persons who manufacture by the strong acid process are subject, no supplier notification)

4,4'-Isopropylidenediphenol

Isosafrole

Lactofen

Lead

Lindane

Linuron

Lithium carbonate

Malathion

Maleic anhydride

Malononitrile

Maneb

Manganese

Mecoprop

2-Mercaptobenzothiazole

Mercury

Merphos

Methacrylonitrile

Metham sodium (Sodium methylthiocarbamate)

Methanol

Methazole

Methiocarb

Methoxone (MCPA)

Methoxone sodium salt

Methoxychlor

2-Methoxyethanol

Methyl acrylate

Methyl tert-butyl ether

Methyl chlorocarbonate

4,4'-Methylenebis(2-chloroaniline)

4,4'-Methylenebis(N,N-dimethyl)benzenamine (4,4'-Methylenebis[N,N-dimethylaniline])

Methylene bromide (Dibromomethane)  
4,4'-Methylenedianiline  
Methyleugenol  
Methyl hydrazine  
Methyl iodide  
Methyl isobutyl ketone  
Methyl isocyanate  
Methyl isothiocyanate  
2-Methylactonitrile (Acetone cyanohydrin)  
Methyl methacrylate  
N-Methylolacrylamide  
Methyl parathion  
2-Methylpyridine  
N-Methyl-2-pyrrolidone  
Metiram  
Metribuzin  
Mevinphos  
Michler's ketone  
Molinate  
Molybdenum trioxide  
Monochloropentafluoroethane (CFC-115)  
Monuron  
Mustard gas  
Myclobutanil  
Nabam  
Naled  
Naphthalene  
alpha-Naphthylamine (1-Naphthalenamine)  
beta-Naphthylamine (2-Naphthalenamine)  
Nickel  
Nitrapyrin  
Nitric acid  
Nitrilotriacetic acid  
p-Nitroaniline  
5-Nitro-o-anisidine (2-Methoxy-5-nitroaniline)  
o-Nitroanisole  
Nitrobenzene

4-Nitrobiphenyl  
Nitrofen  
Nitrogen mustard (HN-2)  
Nitroglycerin  
Nitromethane  
2-Nitrophenol (o-Nitrophenol)  
4-Nitrophenol (p-Nitrophenol)  
2-Nitropropane  
N-Nitrosodi-n-butylamine  
N-Nitrosodiethylamine  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
p-Nitrosodiphenylamine  
N-Nitrosodi-n-propylamine  
N-Nitroso-N-ethylurea  
N-Nitroso-N-methylurea  
N-Nitrosomethylvinylamine  
N-Nitrosomorpholine  
N-Nitrosornicotine  
N-Nitrosopiperidine  
o-Nitrotoluene  
5-Nitro-o-toluidine (2-Methyl-5-nitroaniline)  
Norflurazon  
Octachloronaphthalene  
Octachlorostyrene  
Oryzalin  
Osmium tetroxide  
Oxadiazon  
Oxydemeton-methyl  
Oxyfluorfen  
Ozone  
Paraldehyde  
Paraquat dichloride  
Parathion

Pebulate

Pendimethalin

Pentachlorobenzene

Pentachloroethane

Pentachlorophenol

Pentobarbital sodium

Peracetic acid

Perchloromethyl mercaptan

Permethrin

Phenanthrene

Phenol

Phenolphthalein (3,3-Bis(4-hydroxyphenyl)phthalide)

Phenothrin

p-Phenylenediamine

1,2-Phenylenediamine

1,3-Phenylenediamine

1,2-Phenylenediamine dihydrochloride

1,4-Phenylenediamine dihydrochloride

2-Phenylphenol

Phenytoin

Phosgene

Phosphine

Phosphorus (yellow or white)

Phthalic anhydride

Picloram

Picric acid

Piperonyl butoxide

Pirimiphos-methyl

Polychlorinated biphenyls

Potassium bromate

Potassium dimethyldithiocarbamate

Potassium N-methyldithiocarbamate

Profenofos

Prometryn

Pronamide

Propachlor  
1,3-Propane sultone  
Propanil  
Propargite  
Propargyl alcohol  
Propetamphos  
Propiconazole  
beta-Propiolactone  
Propionaldehyde  
Propoxur  
Propylene  
Propyleneimine  
Propylene oxide  
Pyridine  
Quinoline  
Quinone  
Quintozene (Pentachloronitrobenzene)  
Quizalofop-ethyl  
  
Resmethrin  
  
Saccharin (only persons who manufacture are subject, no supplier notification)  
Safrole  
Selenium  
Sethoxydim  
  
Silver  
Simazine  
Sodium azide  
  
Sodium dicamba  
  
Sodium dimethyldithiocarbamate  
Sodium fluoroacetate  
  
Sodium nitrite  
  
Sodium pentachlorophenate  
  
Sodium o-phenylphenoxide  
Styrene  
Styrene oxide  
  
Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)  
Sulfuryl fluoride  
Sulprofos



Tebuthiuron  
Temephos  
Terbacil  
Tetrabromobisphenol A  
1,1,1,2-Tetrachloroethane  
1,1,2,2-Tetrachloroethane  
Tetrachloroethylene  
1,1,1,2-Tetrachloro-2-fluoroethane (HCFC-121a)  
1,1,2,2-Tetrachloro-1-fluoroethane (HCFC-121)  
Tetrachlorvinphos  
Tetracycline hydrochloride  
Tetrafluoroethylene (Tetrafluoroethene)  
Tetramethrin  
  
Tetranitromethane  
  
Thallium  
Thiabendazole  
Thioacetamide  
Thiobencarb  
4,4'-Thiodianiline  
Thiodicarb  
Thiophanate-ethyl  
Thiophanate-methyl  
Thiosemicarbazide  
Thiourea  
Thiram  
Thorium dioxide  
Titanium tetrachloride  
Toluene  
Toluene-2,4-diisocyanate  
Toluene-2,6-diisocyanate  
Toluene diisocyanate (mixed isomers)  
o-Toluidine  
o-Toluidine hydrochloride  
Toxaphene  
Triadimefon  
Triallate

Triaziquone

Tribenuron-methyl

Tributyltin fluoride

Tributyltin methacrylate

S,S,S-Tributyltrithiophosphate (Tribufos)

Trichlorfon

Trichloroacetyl chloride

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichloroethylene

Trichlorofluoromethane (CFC-11)

2,4,5-Trichlorophenol

2,4,6-Trichlorophenol

1,2,3-Trichloropropane

Triclopyr-triethylammonium salt

Triethylamine

Trifluralin

Triforine

1,2,4-Trimethylbenzene

2,3,5-Trimethylphenyl methylcarbamate

Triphenyltin chloride

Triphenyltin hydroxide

Tris(2,3-dibromopropyl) phosphate

Trypan blue

Urethane

Vanadium (except when contained in an alloy)

Vinclozolin

Vinyl acetate

Vinyl bromide

Vinyl chloride

Vinyl fluoride

Vinylidene chloride (1,1-Dichloroethylene)

Xylene (mixed isomers)

m-Xylene

o-Xylene

p-Xylene

2,6-Xylidine

Zinc (fume or dust)

Zineb

Antimony compounds

Arsenic compounds

Barium compounds (except for barium sulfate (CAS No. 7727-43-7))

Beryllium compounds

Cadmium compounds

Chlorophenols

Chromium compounds (except for chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the chromite ore processing residue (COPR). COPR is the solid waste remaining after aqueous extraction of oxidized chromite ore that has been combined with soda ash and kiln roasted at approximately 2,000 oF.)

Cobalt compounds

Copper compounds (this category does not include copper phthalocyanine compounds that are substituted with only hydrogen, and/or chlorine, and/or bromine.)

Cyanide compounds

Diisocyanates (includes the 20 compounds below)

1,3-Bis(methylisocyanate)cyclohexane

1,4-Bis(methylisocyanate)cyclohexane (1,4-Bis(isocyanatomethyl)cyclohexane)

1,4-Cyclohexane diisocyanate

Diethyldiisocyanatobenzene

4,4'-Diisocyanatodiphenyl ether

2,4'-Diisocyanatodiphenyl sulfide

3,3'-Dimethoxybenzidine-4,4'-diisocyanate

3,3'-Dimethyl-4,4'-diphenylene diisocyanate

3,3'-Dimethyldiphenylmethane-4,4'-diisocyanate

Hexamethylene-1,6-diisocyanate

Isophorone diisocyanate

4-Methyldiphenylmethane-3,4-diisocyanate

1,1-Methylenebis(4-isocyanatocyclohexane)

4,4'-Methylenedi(phenyl isocyanate)

1,5-Naphthalene diisocyanate

1,3-Phenylene diisocyanate

1,4-Phenylene diisocyanate

Polymeric diphenylmethane diisocyanate

2,2,4-Trimethylhexamethylene diisocyanate

2,4,4-Trimethylhexamethylene diisocyanate

Dioxin and dioxin-like compounds (Manufacturing; and the processing or otherwise use of dioxin and dioxin like compounds if the dioxin and dioxin like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical.)(includes the 17 compounds below)

2,3,7,8-Tetrachlorodibenzo-p-dioxin

1,2,3,7,8-Pentachlorodibenzo-p-dioxin

1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin

1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin

1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin

1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin

1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin

2,3,7,8-Tetrachlorodibenzofuran

1,2,3,7,8-Pentachlorodibenzofuran

2,3,4,7,8-Pentachlorodibenzofuran

1,2,3,4,7,8-Hexachlorodibenzofuran

1,2,3,6,7,8-Hexachlorodibenzofuran

1,2,3,7,8,9-Hexachlorodibenzofuran

2,3,4,6,7,8-Hexachlorodibenzofuran

1,2,3,4,6,7,8-Heptachlorodibenzofuran

1,2,3,4,7,8,9-Heptachlorodibenzofuran

1,2,3,4,6,7,8,9-Octachlorodibenzofuran

Ethylenebisdithiocarbamic acid, salts and esters

Certain glycol ethers

Hexabromocyclododecane (includes the 2 compounds below)

1,2,5,6,9,10-Hexabromocyclododecane

Hexabromocyclododecane

Lead compounds

Manganese compounds

Mercury compounds

Nickel compounds

Nicotine and salts

Nitrate compounds (water dissociable; reportable only when in aqueous solution)

Nonylphenol (includes the 6 compounds below)

4-Nonylphenol (p-Nonylphenol)

Isononylphenol

Nonylphenol

4-Isononylphenol

4-Nonylphenol, branched (Branched p-nonylphenol)  
Nonylphenol, branched  
Nonylphenol Ethoxylates (includes the 13 compounds below)  
Ethanol, 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-  
Poly(oxy-1,2-ethanediyl), □-(nonylphenyl)-□-hydroxy-; (Polyethylene glycol nonylphenyl ether)  
Ethanol, 2-[2-(4-nonylphenoxy)ethoxy]-; (2-[2-(4-Nonylphenoxy)ethoxy]ethanol)  
Poly(oxy-1,2-ethanediyl), □-(4-nonylphenyl)-□-hydroxy-; (p-Nonylphenol polyethylene glycol ether)  
3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 26-(nonylphenoxy)-  
Ethanol, 2-[2-(nonylphenoxy)ethoxy]-; (Diethylene glycol nonylphenol ether)  
3,6,9,12,15,18,21-Heptaoxatricosan-1-ol, 23-(nonylphenoxy)-  
3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)-  
Ethanol, 2-(nonylphenoxy)-; (2-(Nonylphenoxy)ethanol)  
Poly(oxy-1,2-ethanediyl), α-(isononylphenyl)-□-hydroxy-  
Poly(oxy-1,2-ethanediyl), α (2-nonylphenyl)-□-hydroxy-  
Poly(oxy-1,2-ethanediyl), α-(nonylphenyl)-□-hydroxy-, branched; (Polyethylene glycol mono(branched nonylphenyl) ether)  
Poly(oxy-1,2-ethanediyl), α-(4-nonylphenyl)-□-hydroxy-, branched; (Polyethylene glycol mono(branched p-nonylphenyl) ether)  
Polybrominated biphenyls (PBBs)  
Polychlorinated alkanes (C10-C13)  
Polycyclic aromatic compounds (includes the 25 compounds below)  
Benz[a]anthracene  
Benzo[a]phenanthrene (Chrysene)  
Benzo[a]pyrene  
Benzo[b]fluoranthene  
Benzo[j]fluoranthene  
Benzo[k]fluoranthene  
Benzo[j,k]fluorene (Fluoranthene)  
Benzo[r,s,t]pentaphene (Dibenzo[a,i]pyrene)  
Dibenz[a,h]acridine  
Dibenz[a,j]acridine  
Dibenzo[a,h]anthracene (Dibenz[a,h]anthracene)  
Dibenzo[a,e]fluoranthene  
Dibenzo[a,e]pyrene  
Dibenzo[a,h]pyrene  
Dibenzo[a,l]pyrene  
7H-Dibenzo[c,g]carbazole  
7,12-Dimethylbenz[a]anthracene  
1,6-Dinitropyrene  
1,8-Dinitropyrene  
Indeno[1,2,3-cd]pyrene  
3-Methylcholanthrene  
5-Methylchrysene  
6-Nitrochrysene  
1-Nitropyrene  
4-Nitropyrene  
Selenium compounds  
Silver compounds  
Strychnine and salts

Thallium compounds

Vanadium compounds

Warfarin and salts

Zinc compounds

Alcohols, C8-14,  $\gamma$ - $\omega$ -perfluoro

Alkenes, C8-14  $\alpha$ -,  $\delta$ - $\omega$ -perfluoro

Alkyl iodides, C4-20,  $\gamma$ - $\omega$ -perfluoro

Ammonium perfluorooctanoate

1,4-Benzenedicarboxylic acid, dimethyl ester, reaction products with bis(2-hydroxyethyl)terephthalate, ethylene glycol,  $\alpha$ -fluoro

Butanoic acid, 4-[[3-(dimethylamino)propyl]amino]-4-oxo-, 2(or 3)-[( $\gamma$ - $\omega$ -perfluoro-C6-20-alkyl)thio] derivs.

2-[Butyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl acrylate

Chromium(III) perfluorooctanoate

Cyclohexanesulfonic acid, decafluoro(pentafluoroethyl)-, potassium salt

Cyclohexanesulfonic acid, decafluoro(trifluoromethyl)-, potassium salt

Cyclohexanesulfonic acid, nonafluorobis(trifluoromethyl)-, potassium salt

Cyclohexanesulfonic acid, undecafluoro-, potassium salt

Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo-

1-Decanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafuoro-, ammonium salt

1-Decanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-

1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-

Disulfides, bis( $\gamma$ - $\omega$ -perfluoro-C6-20-alkyl)

Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heneicosafuoro-12-iodo-

1-Dodecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-

1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuoro-

1-Eicosanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,20-heptatriacont

Ethanaminium, N,N-diethyl-N-methyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, methyl sulfate, polymer with 2-ethylhexyl 2-methyl

Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1)

Ethaneperoxy acid, reaction products with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl thiocyanate and 3,3,4,4

Ethanol, 2,2'-iminobis-, compd. with  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]poly(difluoromethylene) (1:1)

Ethanol, 2,2'-iminobis-, compd. with  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]poly(difluoromethylene) (2:1)

Ethanol, 2,2'-iminobis-, compd. with  $\alpha$ , $\alpha'$ -[phosphinobis(oxy-2,1-ethanediy)]bis( $\omega$ -fluoropoly(difluoromethylene)) (1:1)

N-Ethyl-N-(2-hydroxyethyl)perfluorooctanesulfonamide

2-[Ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl acrylate

2-[Ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl methacrylate

Fatty acids, C6-18, perfluoro, ammonium salts

Fatty acids, C7-13, perfluoro, ammonium salts

Fatty acids, linseed-oil,  $\gamma$ - $\omega$ -perfluoro-C8-14-alkyl esters

Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt

Glycine, N-[(heptadecafluorooctyl)sulfonyl]-N-propyl-, potassium salt

Glycine, N-ethyl-N-[(pentadecafluoroheptyl)sulfonyl]-, potassium salt

Glycine, N-ethyl-N-[(tridecafluorohexyl)sulfonyl]-, potassium salt

Glycine, N-ethyl-N-[(undecafluoropentyl)sulfonyl]-, potassium salt

3-[[Heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-1-propanaminium iodide

2-[[Heptadecafluorooctyl)sulfonyl]methylamino]ethyl acrylate

1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-(2-hydroxyethyl)-N-methyl-

1-Heptanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-

1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, ammonium salt

1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)  
1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, potassium salt  
1-Heptanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-  
Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-nonacosafuoro-16-iodo-  
1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuoro-  
Hexafluoropropylene oxide dimer acid  
Hexafluoropropylene oxide dimer acid ammonium salt  
Hexane, 1,6-diisocyanato-, homopolymer,  $\gamma$ - $\omega$ -perfluoro-C6-20-alc.-blocked  
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-  
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt  
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, potassium salt  
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)  
Lithium (perfluorooctane)sulfonate  
Methyl perfluorooctanoate  
1-Nonanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluoro-, ammonium salt  
Octadecanoic acid, pentatriacontafuoro-  
1-Octadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-tritriacontafuoro-  
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-methyl-  
1-Octanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-  
1-Octanesulfonamide, N-butyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)-  
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[3-(trimethoxysilyl)propyl]-  
1-Octanesulfonamide, N-[3-(dimethyloxidoamino)propyl]-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt  
1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-[2-(phosphonoxy)ethyl]-, diammonium sa  
1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, ammonium salt  
1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)  
Octanoyl fluoride, pentadecafluoro-  
1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methyl-  
1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, potassium salt  
1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, ammonium salt  
1-Pentanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)  
Pentanoic acid, 4,4-bis[( $\gamma$ - $\omega$ -perfluoro-C8-20-alkyl)thio] derivs.  
Perfluorodecanoic acid  
Perfluorododecanoic acid  
Perfluorohexanesulfonic acid  
Perfluorononanoic acid  
Perfluorooctane sulfonic acid  
Perfluorooctanoic acid  
Perfluorooctyl Ethylene  
Perfluorooctyl iodide  
Perfluorooctylsulfonyl fluoride  
Perfluoropalmitic acid  
Perfluorotetradecanoic acid  
Phosphinic acid, bis(perfluoro-C6-12-alkyl) derivs.  
Phosphonic acid, perfluoro-C6-12-alkyl derivs.  
Phosphoric acid,  $\gamma$ - $\omega$ -perfluoro-C8-16-alkyl esters, compds. with diethanolamine  
Poly(difluoromethylene),  $\alpha$ -[2-(acetyloxy)-3-[(carboxymethyl)dimethylammonio]propyl]- $\omega$ -fluoro-, inner salt  
Poly(difluoromethylene),  $\alpha$ -[2-[(2-carboxyethyl)thio]ethyl]- $\omega$ -fluoro-

Poly(difluoromethylene),  $\alpha$ -[2-[(2-carboxyethyl)thio]ethyl]- $\omega$ -fluoro-, lithium salt  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -(2-hydroxyethyl)-, hydrogen 2-hydroxy-1,2,3-propanetricarboxylate  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -(2-hydroxyethyl)-, 2-hydroxy-1,2,3-propanetricarboxylate (3:1)  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-[(1-oxo-2-propenyl)oxy]ethyl]-, homopolymer  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-[(1-oxooctadecyl)oxy]ethyl]-  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]-  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]-, ammonium salt  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]-, diammonium salt  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-(phosphonooxy)ethyl]-, monoammonium salt  
 Poly(difluoromethylene),  $\alpha$ -fluoro- $\omega$ -[2-sulphoethyl]-  
 Poly(difluoromethylene),  $\alpha, \alpha'$ -[phosphinicobis(oxy-2,1-ethanediyl)]bis[ $\omega$ -fluoro-  
 Poly(difluoromethylene),  $\alpha, \alpha'$ -[phosphinicobis(oxy-2,1-ethanediyl)]bis[ $\omega$ -fluoro-, ammonium salt  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- $\omega$ -methoxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]- $\omega$ -methoxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(undecafluoropentyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -hydro- $\omega$ -hydroxy-, ether with  $\alpha$ -fluoro- $\omega$ -(2-hydroxyethyl)poly(difluoromethylene) (1:1)  
 Poly(oxy-1,2-ethanediyl),  $\alpha$ -methyl- $\omega$ -hydroxy-, 2-hydroxy-3-[( $\gamma$ - $\omega$ -perfluoro-C6-20-alkyl)thio]propyl ethers  
 Poly[oxy(methyl-1,2-ethanediyl)],  $\alpha$ -[2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly[oxy(methyl-1,2-ethanediyl)],  $\alpha$ -[2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly[oxy(methyl-1,2-ethanediyl)],  $\alpha$ -[2-[ethyl[(tridecafluorohexyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Poly[oxy(methyl-1,2-ethanediyl)],  $\alpha$ -[2-[ethyl[(undecafluoropentyl)sulfonyl]amino]ethyl]- $\omega$ -hydroxy-  
 Potassium perfluorooctanesulfonate  
 Potassium perfluorooctanoate  
 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-[( $\gamma$ - $\omega$ -perfluoro-C4-20-alkyl)thio]acetyl] derivs., inner salt  
 1-Propanaminium, 3-[[heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, chloride  
 1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[( $\gamma$ - $\omega$ -perfluoro-C6-20-alkyl)thio] derivs., chlorides  
 1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, chloride  
 1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, iodide  
 1-Propanaminium, N,N,N-trimethyl-3-[[pentadecafluoroheptyl)sulfonyl]amino]-, chloride  
 1-Propanaminium, N,N,N-trimethyl-3-[[tridecafluorohexyl)sulfonyl]amino]-, iodide  
 1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, chloride  
 1-Propanaminium, N,N,N-trimethyl-3-[[undecafluoropentyl)sulfonyl]amino]-, iodide  
 Propanedioic acid, mono( $\gamma$ - $\omega$ -perfluoro-C8-12-alkyl) derivs., bis[4-(ethenyloxy)butyl] esters  
 Propanedioic acid, mono( $\gamma$ - $\omega$ -perfluoro-C8-12-alkyl) derivs., di-me esters  
 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C10-20-alkyl)thio]methyl] derivs., phosphates, ammonium salts  
 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C4-10-alkyl)thio]methyl] derivs., phosphates, ammonium salts  
 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C6-12-alkyl)thio]methyl] derivs., phosphates, ammonium salts  
 1,3-Propanediol, 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C6-12-alkyl)thio]methyl] derivs., polymers with 2,2-bis[[( $\gamma$ - $\omega$ -perfluoro-C10-20-alkyl)thio]methyl] derivs.,  
 1-Propanesulfonic acid, 2-methyl-, 2-[[1-oxo-3-[( $\gamma$ - $\omega$ -perfluoro-C4-16-alkyl)thio]propyl]amino] derivs., sodium salts  
 2-Propenoic acid, butyl ester, telomer with 2-[[heptadecafluorooctyl)sulfonyl]methylamino]ethyl 2-propenoate, 2-[methyl[(nc  
 2-Propenoic acid, 2-[butyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl ester, telomer with 2-[butyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester,  
 2-Propenoic acid, esters, 2-methyl-, dodecyl ester, polymer with  $\alpha$ -fluoro- $\omega$ -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly



2-Propenoic acid, 2-[ethyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester  
 2-Propenoic acid, 2-[(heptadecafluorooctyl)sulfonyl]methylamino]ethyl ester, polymer with 2-[methyl [(nonafluorobutyl)sulf  
 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with Bu acrylate,  $\gamma$ - $\omega$ -perfluoro-C8-14-alkyl acrylate and  
 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymers with  $\gamma$ - $\omega$ -perfluoro-C10-16-alkyl acrylate and vinyl aceta  
 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with  $\alpha$ -fluoro- $\omega$ -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(difluo  
 2-Propenoic acid, 2-methyl-, 2-ethylhexyl ester, polymer with  $\alpha$ -fluoro- $\omega$ -[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl]poly(d  
 2-Propenoic acid, 2-methyl-, 2-[ethyl[(heptadecafluorooctyl)sulfonyl]amino]ethyl ester, polymer with 2-[ethyl[(nonafluorobut  
 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester  
 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester, polymer with 3,3,  
 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester  
 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadec  
 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorodc  
 2-Propenoic acid, 2-[methyl[(pentadecafluoroheptyl)sulfonyl]amino]ethyl ester  
 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl ester  
 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoroc  
 2-Propenoic acid, 2-[methyl[(tridecafluorohexyl)sulfonyl]amino]ethyl ester  
 2-Propenoic acid, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl ester  
 Pyridinium, 1-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-, salt with 4-methylbenzenesulfonic acid (1:1)  
 Silane, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)trimethoxy-  
 Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-  
 Silicic acid (H<sub>4</sub>SiO<sub>4</sub>), disodium salt, reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hep  
 Siloxanes and Silicones, (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)oxy Me, hydroxy Me, Me octyl, ethers wi  
 Silver(I) perfluorooctanoate  
 Sodium perfluorooctanoate  
 Sulfluramid  
 Sulfonic acids, C6-12-alkane,  $\gamma$ - $\omega$ -perfluoro, ammonium salts  
 Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafuoro-14-iodo-  
 1-Tetradecanesulfonyl chloride, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-  
 1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro-  
 1,1,2,2-Tetrahydroperfluorodecyl acrylate  
 1,1,2,2-Tetrahydroperfluorododecyl acrylate  
 1,1,2,2-Tetrahydroperfluorohexadecyl acrylate  
 1,1,2,2-Tetrahydroperfluorotetradecyl acrylate  
 Thiocyanic acid,  $\gamma$ - $\omega$ -perfluoro-C4-20-alkyl esters  
 Thiols, C4-10,  $\gamma$ - $\omega$ -perfluoro  
 Thiols, C4-20,  $\gamma$ - $\omega$ -perfluoro, telomers with acrylamide and acrylic acid, sodium salts  
 Thiols, C6-12,  $\gamma$ - $\omega$ -perfluoro  
 Thiols, C8-20,  $\gamma$ - $\omega$ -perfluoro, telomers with acrylamide  
 Thiols, C10-20,  $\gamma$ - $\omega$ -perfluoro

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Includes any unique chemical substance that contains antimony as part of that chemical's infrastructure.

See notes

Includes any unique chemical substance that contains arsenic as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains barium as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains beryllium as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains cadmium as part of that chemical's infrastructure.

0.1

Defined by chemical structure. Phenol with  $C_1x$  and  $H(5-x)$  where  $x = 1$  to  $5$

Includes any unique chemical substance that contains chromium as part of that chemical's infrastructure.

See notes

See notes

Includes any unique chemical substance that contains cobalt as part of that chemical's infrastructure.

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Includes any unique chemical substance that contains copper as part of that chemical's infrastructure.

1.0

$X^+CN^-$  where  $X^+$  = any group (except  $H^+$ ) where a formal dissociation can be made. For example  $KCN$  or  $Ca(CN)_2$

1.0

All members are listed below and marked as "diisocyanate" in column F

All members are listed below and marked as "dioxin" in column F

\*

1.0 Includes any unique chemical substance that contains an EBDC or an EBDC salt as part of  
1.0 R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where: n = 1, 2, or 3; R = Alkyl C7 or less; or R = phenyl or alkyl sul  
\* All members are listed below and marked as "HBCD" in column F

\* Includes any unique chemical substance that contains lead as part of that chemical's infr:

1.0 Includes any unique chemical substance that contains manganese as part of that chemical's

\* Includes any unique chemical substance that contains mercury as part of that chemical's in

0.1 Includes any unique chemical substance that contains nickel as part of that chemical's infr:

1.0 Includes any unique chemical substance that contains nicotine or a nicotine salt as part of t

1.0

1.0 All members are listed below and marked as "NP" in column F

1.0 All members are listed below and marked as "NPEs" in column F

r)

0.1 Defined by chemical structure. Biphenyl with Br<sub>x</sub> and H(10-x) where x = 1 to 10.

See notes C<sub>x</sub>H<sub>2x-y+2</sub>Cl<sub>y</sub>; Where x = 10 to 13; y = 3 to 12; and where the average chlorine content is

\* All members are listed below and marked as "PAC" in column F

1.0 Includes any unique chemical substance that contains selenium as part of that chemical's i

1.0 Includes any unique chemical substance that contains silver as part of that chemical's infra

1.0 Includes any unique chemical substance that contains strychnine or a strychnine salt as par











## Category Member



Diisocyanate  
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f that chemical's infrastructure.

bstituted phenyl; R' = H or alkyl C7 or less; orOR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

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List Categories

**Type**

Paint

Reducer

Catalyst

Adhesion Promoter

Thinner

Gelcoat

Mold Release

Resin

Adhesive

Purge & Cleanup

Other-Non Coating

**MACT PPPP**

General Use Coating

Automotive Lamp Coating

Thermoplastic Olefin Coating

Assembled On-road Vehicle Coating

**MACT VVVV Gelcoat/Resin Type**

White

Pigmented Gelcoat

Clear Gelcoat

Tooling Gelcoat

Production Resin

Tooling Resin

**MACT WWWW Gelcoat/Resin**

CR/HS Resin

Non CR/HS Resin

Tooling Resin

Low-flame spread/low-smoke

Shrinkage controlled resin

Tooling Gelcoat

White/off white Gelcoat

Pigmented Gelcoat

CR/HS or high performance Gelcoat

Fire retardent gelcoat

Clear production gelcoat



**MACT PPPP Compliance**

**Owosso Composite, LLC, Owosso, MI**

Year

2022

9/6/2022

Month/Year	General Use Coatings				
	Total HAPs		Solids		Monthly lb HAP/lb Solid
	General Use HAP Emissions (lb/mo)	12-Month Rolling HAP (lb/12-month)	General Use Solids Applied (lb/mo)	12-Month Rolling Solids (lb/12-month)	
Jan-21	-	-	-	-	-
Feb-21	-	-	-	-	-
Mar-21	-	-	-	-	-
Apr-21	-	-	-	-	-
May-21	-	-	-	-	-
Jun-21	-	-	-	-	-
Jul-21	-	-	-	-	-
Aug-21	-	-	-	-	-
Sep-21	-	-	-	-	-
Oct-21	-	-	-	-	-
Nov-21	-	-	-	-	-
Dec-21	-	-	-	-	-
Jan-22	-	-	-	-	-
Feb-22	-	-	-	-	-
Mar-22	-	-	-	-	-
Apr-22	-	-	-	-	-
May-22	-	-	-	-	-
Jun-22	-	-	-	-	-
Jul-22	-	-	-	-	-
Aug-22	-	-	-	-	-
Sep-22	-	-	-	-	-
Oct-22	-	-	-	-	-
Nov-22	-	-	-	-	-
Dec-22	-	-	-	-	-







