

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

February 20, 2001

TO: Bis(pentamethyl-4-piperidiny) sebacate file (CAS #41556-26-7)
FROM: Gary Butterfield, Toxics Unit, Air Quality Division
SUBJECT: Screening Level for bis(pentamethyl-4-piperidiny) sebacate

The screening level for bis(pentamethyl-4-piperidiny) sebacate is being re-set at $0.1 \mu\text{g}/\text{m}^3$ with annual averaging. The Initial Threshold Screening Level (ITSL) was originally set at trace in 1992, no toxicity information is yet available to modify the trace value.

The following references or databases were searched to identify data to determine the screening level: U.S. Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH) Registry for Toxic Effects of Chemical Substances (RTECS), American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), Michigan Department of Environmental Quality (DEQ) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1967- January, 2001), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

A January 24, 2001 CAS and NLM literature search could not find any toxicity data for this material that could be used to establish a screening level. This material is also not contained in any of the standard secondary toxicity references - RTECS, EPA's IRIS, ACGIH, NTP, ATSDR, etc.

Due to a lack of available toxicity data the screening level for bis(pentamethyl-4-piperidiny) sebacate is being set at $0.1 \mu\text{g}/\text{m}^3$ with annual averaging, under R232(i).

GB:DB

cc: Cathy Simon, AQD
Mary Lee Hultin, AQD
Sheila Blais, AQD

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for bis(pentamethylpiperdiny)sebacate (CAS #41556-26-7)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for bis(pentamethylpiperdiny)sebacate has been changed from 0.04 ug/m^3 to 0.1 ug/m^3 based on an annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232(i). This rule sets the ITSL at a default value of 0.04 ug/m^3 (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1 ug/m^3 .

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 ug/m^3 , to determine if new data are available for this compound.

CAS:SLB

Michigan Department of Natural Resources

Interoffice Communication

December 22, 1992

To : Decanedioate, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) File
(CAS # 41556-26-7)

From : Gary Butterfield

Subject : ITSL for bis(1,2,2,6,6-pentamethyl-4-piperidinyl)
decanedioate

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate is also known as bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate. A CAS-on-line search up to December 11, 1992 of the CAS number 41556-26-7 found no toxicity data available for this material. Therefore the ITSL falls to the default value of 0.04 ug/m3 with annual averaging.