

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

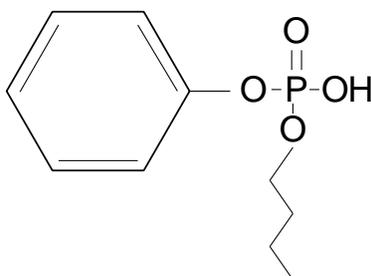
September 7, 2000

TO: File for Monobutyl Monophenyl Phosphoric Acid (CAS# 46438-39-5)  
FROM: Michael Depa, Toxics Unit, Air Quality Division  
SUBJECT: Screening Level Determination

Since there was no toxicological information available on monobutyl monophenyl phosphoric acid, the initial threshold screening level (ITSL) is 0.1  $\mu\text{g}/\text{m}^3$  based on an annual averaging time.

The following references or databases were searched to identify data to determine the screening level: U.S. EPA Integrated Risk Information System (IRIS), Registry for Toxic Effects of Chemical Substances (RTECS), American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), National Institute for Occupational Safety and Health (NIOSH) Pocket Guide to Hazardous Chemicals, Environmental Protection Bureau Library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1967- April, 2000), National Library of Medicine (NLM), Health Effects Assessment Summary Tables (HEAST), and National Toxicology Program (NTP) Status Report. The EPA has not established a reference dose (RfD) or a reference concentration (RfC) monobutyl monophenyl phosphoric acid. There are no occupational exposure limits (e.g., ACGIH TLV or NIOSH REL). The molecular weight of monobutyl monophenyl phosphoric acid is 226g and the molecular structure is shown in Figure 1.

**Figure 1. Molecular Structure of Monobutyl Monophenyl Phosphoric Acid**



Since there was no toxicological data with which to derive a screening level the ITSL was based on Rule 232(1)i.

MD:DB