

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

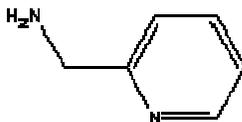
December 29, 2003

TO: File for 2-(Aminomethyl)pyridine (CAS No. 3731-51-9)  
FROM: Michael Depa, Toxics Unit, Air Quality Division  
SUBJECT: Development of the Screening Level

The initial threshold screening level (ITSL) for 2-(aminomethyl)pyridine (CAS No. 3731-51-9) is 0.1 µg/m<sup>3</sup> (annual averaging time).

The following references or databases were searched to identify data to determine the screening level: Environmental Protection Agency's (EPA's) Integrated Risk Information System (IRIS), the Registry of Toxic Effects of Chemical Substances (RTECS), the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV), National Institute of 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- December 2003), 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 concentration (RfC) or reference dose (RfD) for 2-(aminomethyl)pyridine. The ACGIH and NIOSH have not established Occupational Exposure Limits (OELs). The molecular weight is 108.14 g, and the molecular formula is C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>. The molecular structure is pictured in Figure 1. The boiling point is 203°C and the melting point is 81°C. The flash point is 90°C. The vapor pressure is 0.5 mmHg @ 25°C. 2-(Aminomethyl)pyridine is water soluble. The physical state is a solid.

**Figure 1. Molecular Structure of 2-(Aminomethyl)pyridine (CAS No. 3731-51-9)**



After performing the standard literature searches no toxicity information was found. Therefore, the ITSL for 2-(aminomethyl)pyridine (CAS No. 3731-51-9) was established at 0.1 µg/m<sup>3</sup> (annual averaging time) based on Rule 232(1)(i).