

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: 2-Ethylbutyl bromide file (CAS # 3814-34-4)

FROM: Gary Butterfield

SUBJECT: Screening level for 2-Ethylbutyl bromide

DATE: May 28, 2008

2-Ethylbutyl bromide is also known as 3-(bromomethyl)-pentane. It is a liquid with a boiling point of 143C. The vapor pressure is 6.5 mmHg at 25C. The molecular weight is 165.1 g/mol. The molecular formula is C₆H₁₃Br.

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 (1968 - May 2008), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

The CAS and NLM on-line literature searches were conducted on May 22, 2008. There was no toxicity data located on 2-ethylbutyl bromide during the literature search. Due to a lack of available toxicity data, the ITSL will be set at 0.1 ug/m³ with annual averaging under R232(1)(i).

GB:lh