

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

January 29, 2001

TO: Tetramethyl decyndiol file (CAS # 9014-85-1)
FROM: Gary Butterfield
SUBJECT: Screening level for tetramethyl decyndiol

The initial threshold screening level (ITSL) for tetramethyl decyndiol is being set at $0.1\mu\text{g}/\text{m}^3$ with annual averaging.

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 — June 2000), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

None of the above standard secondary toxicity references had toxicity information on this chemical that could be used to set an ITSL. A July 17, 2000 CAS and NLM on-line literature search was conducted to look for any toxicity data. No hits for toxicity studies were obtained from either the CAS or NLM search.

There is no toxicity data available upon which a screening level can be based. Therefore, the ITSL for tetramethyl decyndiol will be set at $0.1\mu\text{g}/\text{m}^3$ with annual averaging under R232 (i).

GB:DB

cc: Cathy Simon, AQD
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