

**MICHIGAN DEPARTMENT OF NATURAL RESOURCES**

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**INTEROFFICE COMMUNICATION**

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TO: File for p-Mentha-1,5-diene file (CAS # 4221-98-1)

FROM: Gary Butterfield

SUBJECT: Screening level for p-Mentha-1,5-diene

DATE: June 24, 2009

p-Mentha-1,5-diene is also known as alpha-phellandrene I-form, and 2-methyl-5-(1-methylethyl)-1,3-cyclohexadiene. The molecular formula is C<sub>10</sub>H<sub>16</sub> with a molecular weight of 136.2 g/mol.

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 - June 2009), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

The CAS and NLM on-line literature searches for this evaluation were conducted on June 16, 2009. No toxicity information could be located for p-mentha-1,5-diene. Due to a lack of data the screening level is being set at the default of 0.1 µg/m<sup>3</sup> with annual averaging under R232(1)(i).

GB:lh