

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

March 11, 2004

TO: File for alpha-chloro-ortho-xylene (CAS #552-45-4)
FROM: Maggie Sadoff
RE: Development of Screening Level

The initial threshold screening level (ITSL) for alpha-chloro-ortho-xylene is 0.1 ug/m³ based on an annual averaging time.

A search of the literature and the following databases was performed for information regarding alpha-chloro-ortho-xylene: American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values, National Institute for Occupational Safety and Health (NIOSH) Pocket Guide to Hazardous Chemicals, Integrated Risk Information System (IRIS), NIOSH's Registry of Toxic Effects of Chemical Substances (RTECS), Environmental Protection Bureau Library, International Agency for Research on Cancer (IARC) Monographs, CAS Online (1967 to December 2003), Hazardous Substance Data Bank (HSDB), National Library of Medicine/Toxline, Health Effects Assessment Summary Tables (HEAST), and National Toxicology Program (NTP) Study Database.

A review of the database for this chemical provided no information relevant to human health from which a screening level could be derived. There is an entry for alpha-chloro-o-xylene in the HSDB that describes general clinical effects of lacrimators but there is no minimum toxic or lethal dose established for this chemical nor are there occupational threshold values. Therefore, the ITSL is set at the trace, or default value of 0.1 ug/m³, annual averaging time.