

MICHIGAN DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT

INTEROFFICE COMMUNICATION

TO: File for Niobium oxide (CAS #1313-96-8)

FROM: Mary Lee Hultin, Toxics Unit

DATE: June 17, 2010

SUBJECT: Screening Level for Niobium oxide (CAS #1313-96-8)

The screening level for niobium oxide is 0.1 µg/m³ based on 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 Natural Resources and Environment (DNRE) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1968 - Feb 2008), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report. The CAS and NLM searches were performed in March, 2010.

There are no EPA RfC or RfD values for niobium oxide, nor are there published toxicity data sufficient to derive an RfC or RfD. There are no published occupational standards for niobium oxide in the published literature. The only published toxicity data were found in the RTECS database and the acute LD50 data were not available in English. Therefore, the default value of 0.1 µg/m³ will be used for derivation of the screening level for niobium oxide.

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