

**MICHIGAN DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT**

**INTEROFFICE COMMUNICATION**

TO: File for Niobium oxalate (CAS #21348-59-4)  
FROM: Mary Lee Hultin, Toxics Unit  
DATE: June 17, 2010  
SUBJECT: Screening Level for Niobium oxalate (CAS #21348-59-4)

The screening level for niobium oxalate is  $0.1 \mu\text{g}/\text{m}^3$  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 PVDF, nor are there published toxicity data sufficient to derive an RfC or RfD. There are no published occupational standards for niobium oxalate in the published literature, nor is there toxicity data published appropriate for use in risk assessment. Therefore, the default value of  $0.1 \mu\text{g}/\text{m}^3$  will be used for derivation of the screening level for niobium oxalate.

MLH:lh