MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: Oxalic Acid File (CAS No. 144-62-7)

FROM: Michael Depa, Air Quality Division, Toxics Unit

DATE: April 1, 2015

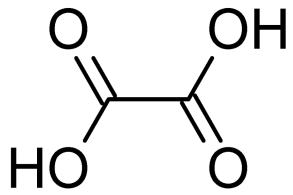
SUBJECT: Screening Level

An acute initial threshold screening level (ITSL) for oxalic acid of 10 µg/m³ (8-hr averaging time) is being established based on the ACGIH TLV[1] of 1 mg/m³ pursuant to Rule 232(1)(c).

ITSL = OEL/100, where OEL is the occupational exposure limit.
ITSL = (1 mg/m³)/100 x 1000 µg/mg
ITSL = 10 µg/m³ (pursuant to Rule 232(2)(a) the averaging time is 8-hr)

The following references were checked in order to derive an ITSL: Agency for Toxic Substances and Disease Registry (ATSDR) Minimal Risk Level (MRL) list, US EPA Integrated Risk Information System (IRIS), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV), National Institute of Occupational Safety and Health (NIOSH) Pocket Guide to Hazardous Chemicals, Environmental Protection Bureau Library, Health Effects Assessment Summary Tables (HEAST), and National Toxicology Program (NTP) Status Report, California Office of Environmental Health Hazard Assessment (OEHHA), US EPA Superfund Provision Peer Review Toxicity Value (PPRTVs), US EPA High Production Volume Chemical Hazard Characterizations.

Chemical Formula: $H_2C_2O_4$
Molecular Weight: 90.04g
Molecular Formula:



References

ACGIH. 2014. TLV Booklet. Threshold Limit Values for Chemical Substances and Pyysical Agents & Biological Exposure Indices. Ethyl Acrylate. Documentation of the Threshold Limit Values for Chemical Substances, 7th Ed. American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, Ohio 45240

[1] American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Value