

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY**

**INTEROFFICE COMMUNICATION**

TO: File for Butanedioic acid, sulfo-, 1-ester with N-(2-hydroxyethyl) (CAS# 25882-44-4)

FROM: Keisha Williams, Toxics Unit, Air Quality Division

SUBJECT: Initial Threshold Screening Level

DATE: December 16, 2016

The initial threshold screening level (ITSL) for butanedioic acid, sulfo-, 1-ester with N-(2-hydroxyethyl) is 0.1  $\mu\text{g}/\text{m}^3$  based on an annual averaging time.

The following references or databases were searched to identify data to determine the screening level: United States Environmental Protection Agency's (EPA's) Integrated Risk Information System (IRIS), the Registry of Toxic Effects of Chemical Substances (RTECS), the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV), National Institute of Occupational Safety and Health (NIOSH) Pocket Guide to Hazardous Chemicals, MDEQ Library, International Agency for Research on Cancer (IARC) Monographs, SciFinder, National Library of Medicine (NLM), Health Effects Assessment Summary Tables (HEAST), National Toxicology Program (NTP) Status Report, EPA Aggregated Computational Toxicology Resource (ACToR) Database, EPA TSCATS database, EPA Superfund Provisional Peer Reviewed Toxicity Values, EPA Acute Exposure Guideline Levels for Airborne Chemicals, EPA High Production Volume Database, United States Department of Labor Occupational Safety and Health Administration Permissible Exposure Limits, Spacecraft Maximum Allowable Concentrations, California Office of Environmental Health Hazard Assessments Reference Exposure Levels, Chemical Safety Program Protective Action Criteria, Texas Commission on Environmental Quality Effects Screening Levels, and European Chemicals Agency Registered Substances Dossiers.

A review of the above databases provided no information to derive an ITSL for butanedioic acid, sulfo-, 1-ester with N-(2-hydroxyethyl). Therefore, the ITSL is set at the default value and averaging time.

**The ITSL for butanedioic acid, sulfo-, 1-ester with N-(2-hydroxyethyl) is 0.1  $\mu\text{g}/\text{m}^3$  based on an annual averaging.**