

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for diglycidyl ether of polyglycol (CAS# 26142-30-3)
FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division
SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for diglycidyl ether of polyglycol has been changed from 0.04 $\mu\text{g}/\text{m}^3$ to 0.1 $\mu\text{g}/\text{m}^3$ based on annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232(i). This rule sets the ITSL at a default value of 0.04 $\mu\text{g}/\text{m}^3$ (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1 $\mu\text{g}/\text{m}^3$.

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 $\mu\text{g}/\text{m}^3$, to determine if new data are available for this compound.

CAS: SLB

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

November 22, 1993

TO: File for Diglycidyl Ether of Polyglycol. CAS# 26142-30-3
FROM: John Abbott, Toxics unit
SUBJECT: Screening level for Diglycidyl Ether of Polyglycol

The following databases were searched for toxicity data:

RTECS
EPA IRIS
DNR EPB and NUTSHELL
NIOSH
ACGIH TLV
CAS Online (7/28/93) NLN Online (8/3/93)
BEAST
IARC Monographs
NTP Management Status Report

A search of the sources above failed to identify an RfD, RfC, TLV or REL for Diglycidyl Ether of Polyglycol. Although some indication of mutagenic properties is noted, there is insufficient data available for the derivation of an initial screening level based on the toxicity, carcinogenicity, or teratogenicity of this compound. The ITSL is therefore set at trace according to Rule 232 (1) (i).

ITSL = 0.04 µg/m³ based on annual averaging.