

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for decamethyltetrasiloxane (CAS #141-62-8)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for decamethyltetrasiloxane has been changed from 0.04 ug/m³ to 0.1 ug/m³ based on an 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 ug/m³ (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 ug/m³.

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 ug/m³, to determine if new data are available for this compound.

CAS:SLB

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

November 1, 1993

TO: File for DECAMETHYLTETRASILOXANE (MD2M) (CAS # 141-62-8)
FROM: George Eurich
SUBJECT: Screening Level for Decamethyltetrasiloxane

The ITSL for DECAMETHYLTETRASILOXANE has been set at 0.04 ug/m³, with an annual averaging time.

A search of the following databases turned up no toxicology related information on this compound:

RTECS	NIOSH REL
IRIS	NTP MANAGEMENT STATUS REPORT
EPB LIBRARY	IARC MONOGRAPHS
ACGIH LIBRARY	EPB CHEMICAL CRITERIAL DATABASE
HEAST	CAS ONLINE SEARCH (1967-1993)
MEDLINE (1990-1993)	NLM SEARCH (1981-1993)

According to a letter provided by Dow Corning (permit applicant), they have done no toxicological studies on this compound. Therefore, the ITSL will be set at trace, 0.04 ug/m³ based on annual averaging time.

GE:ma