

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for cyclic methylhydrogensiloxane, d5 (CAS# 6166-86-5)

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

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

The ITSL for cyclic methylhydrogensiloxane, d5 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 ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

August 14, 1996

TO: File for Cyclic methylhydrogensiloxane, D5 (6166-86-5)
FROM: Dan O'Brien, Toxics Unit, Air Quality Division
SUBJECT: Initial Threshold Screening Level for cyclic methylhydrogensiloxane, D5

The initial threshold screening level (ITSL) for cyclic methylhydrogensiloxane, D5 is 0.04 µg/m³ based on an annual averaging time.

The following references or databases were searched to identify data to determine the ITSL: AQD chemical files, IRIS, HEAST, ACGIH TLV Booklet, NIOSH Pocket Guide to Chemical Hazards, RTECS, NTP Management Status Report, EPB Library, IARC Monographs, CAS On-line and NLM/Toxline (1967 -May 1, 1996), CESARS, Handbook of Environmental Data on Organic Chemicals, Patty's Industrial Hygiene and Toxicology, Merck Index and the Condensed Chemical Dictionary. In addition, a request was made (5/10/96) to the Dow Corning Corporation for provision of any relevant toxicological data, but none were available.

No toxicological data specific to this chemical were found which could be used in the derivation of a screening level. Consequently, per section R 336.1232, rule 232, subrule (l) (i) of Act 451, the ITSL for cyclic methylhydrogensiloxane, D5 = 0.04 µg/m³, and per rule 232 subrule (2) (c), an **annual averaging** time applies.

DO:slb