

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for vinyl dimethylsilanol (CAS# 5906-75-2)

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

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

The ITSL for vinyl dimethylsilanol 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 14, 1994

TO: Vinyl dimethylsilanol file (CAS # 5906-75-2)

FROM: Gary Butterfield

SUBJECT: Screening level for vinyl dimethylsilanol

There is no EPA RfC or RfD for vinyl dimethylsilanol. There is no OEL established by ACGIH, OSHA or NIOSH. There was no information on this chemical found in the standard references (RTECs, NTP and IARC, or searches by other DNR Divisions). An Oct 28, 1994 CAS and NLM on-line literature search found no published toxicity studies on vinyl dimethylsilanol.

Due to a lack of toxicity data, the ITSL is being set at $0.04 \mu\text{g}/\text{m}^3$ with annual averaging based on Rule 232 (1) (i).