

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for hexachlorodisilane (CAS# 13465-77-5)
FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division
SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for hexachlorodisilane 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

June 22, 1992

To: Terry Wright, Permits

From: Betty Locey, Toxics

Subject: ITSLs for Tetrachlorodisilane and Hexachlorodisilane [cas no. 13465-77-5) Permit No 16.85B.

I was unable to locate any toxicity studies on either tetrachlorodisilane or hexachlorodisilane [cas no. 13465-77-5]. As stipulated in our Air Toxics rules, the ITSLs for these compounds are therefore set at trace [0.04 $\mu\text{g}/\text{cu m}$]. If the company is able to provide us with toxicity data, we can reevaluate these screening levels. If you have any additional questions, feel free to call me.

ITSL for tetrachlorodisilane = 0.04 $\mu\text{g}/\text{cu m}$ - annual average

ITSI for hexachlorodisilane [cas no. 13465-77-51] = 0.04 $\mu\text{g}/\text{cu m}$ — annual average