

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

February 4, 2002

TO: File for disilane (CAS # 1590-87-0)
FROM: Marco Bianchi, Toxics Unit, Air Quality Division
SUBJECT: Initial Threshold Screening Level

The initial threshold screening level (ITSL) for disilane is 0.1 µg/m³ based on an annual averaging time.

The following references or databases were searched to identify data to determine the ITSL: IRIS, HEAST, NTP Management Status Report, RTECS, EPB-CCD, EPB library, CAS-online, NLM-online, IARC, NIOSH Pocket Guide, and ACGIH Guide.

A review of the above databases provided no information to derive an ITSL for disilane. Also, there was no useful toxicity information provided in Patty's Industrial Hygiene and Toxicology. Therefore, the ITSL is set at trace.

The ITSL for disilane = 0.1 µg/m³ based on an annual averaging time.

MB:DB
cc: Cathy Simon, AQD
Mary Lee 1-lultin, AQD
Sheila Biais, AQD