

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for L-alpha-phenylethylamine (CAS #2627-86-3)
FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division
SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for L-alpha-phenylethylamine has been changed from 0.04 $\mu\text{g}/\text{m}^3$ to 0.1 $\mu\text{g}/\text{m}^3$ 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 $\mu\text{g}/\text{m}^3$ (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

September 11, 1992

TO: L-alpha-phenylethylamine file (CAS# 2627-86-3)

FROM: Mary Lee Hultin

SUBJECT: Screening level for L-alpha-phenylethylamine

Despite searches of IRIS, CAS online, RTECS, and EPB databases, insufficient information was found to derive a screening level for this compound. Zeeland Chemicals provided a rat oral LD50 value for alpha-phenylethylamine from RTECS. However, no details of the study are available, only the lethal value of 940 mg/kg was provided. The study was cited in a 1951 journal. Given that the study is of questionable value and that the compound studied was not the same stereoisomer, the screening level will be based on the trace level of 0.04 µg/m³ as per Rule 232.

ITSL= 0.04 µg/m³ with annual averaging