

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

January 22, 1993

TO: File for Methylcyclohexane (Cas No. 108-87-2)

FROM: Cathy Simon

SUBJECT: ITSL for Methylcyclohexane

The ITSL for methylcyclohexane is 16,000 $\mu\text{g}/\text{m}^3$ based on an 8-hour averaging time. This value was determined as follows:

$$\text{ITSL} = \frac{1,600 \text{ mg}/\text{m}^3}{100} = 16 \text{ mg}/\text{m}^3 = 16,000 \text{ }\mu\text{g}/\text{m}^3$$

Where, 1,600 mg/m^3 is both the NIOSH recommended exposure level, and ACGIH TLV. No reference concentration or reference dose calculated by EPA was available for methylcyclohexane.

The TLV is based on very limited data, including two acute toxicity studies, and one "prolonged exposure" study in monkeys. (ACGIH, 1986)

No review or evaluation of any other data or literature was done for this compound.

References

American Conference of Governmental Industrial Hygienists. 1986.
Documentation of the Threshold Limit Values and Biological Exposure Indices, Fifth Edition.

CAS:ma