

DR-0002-3734

METHYL CHLORIDE

REPT H

CHRONIC EFFECTS / CARCINOGENICITY

- In longterm animal studies, kidney tumors were seen in mice, but not rats, only at exaggerated doses.

TERATOGENIC EFFECTS

- In teratology studies, no effects were seen in rats, but fetal heart valve malformations were found in mice.

REPRODUCTIVE EFFECTS

- In animal studies, has been shown to interfere with fertility in male rats.

MUTAGENICITY

- Results of in vitro ('test tube') mutagenicity tests have been positive.
- Has been shown to be negative in some animal mutagenicity tests and positive in others.

END OF REPORT; FOR ADDITIONAL INFORMATION CONTACT:
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DR-0001-5849

METHYLENE CHLORIDE

REPT H

LATEST REVISION: 02/20/91

CAS NUMBER: 000075-09-2

SYNONYMS

METHYLENE CHLORIDE, TECHNICAL
METHANE, DICHLORO-
METHYLENE CHLORIDE FCC/NF
DICHLOROMETHANE

APPEARANCE: COLORLESS LIQUID

MAX AIRBORNE CONC: 55% @ 25 DEG. C

ODOR DESCRIPTION: SWEET

WARNING PROPERTIES: The odor and irritancy of this material are inadequate to warn of excessive exposure.

EXPOSURE GUIDELINES:

Methylene chloride: ACGIH TLV is 50 ppm, A2. OSHA PEL is 500 ppm TWA, 1000 ppm Ceiling, 2000 ppm Peak.

----- POTENTIAL HEALTH EFFECTS -----

This section includes possible adverse effects which could occur if this material is not handled in the recommended manner. These effects apply to stated material and may not apply to dilutions or formulations of that material.

EYE

- May cause pain.
- May cause moderate eye irritation.
- May cause slight corneal injury.
- Vapors may irritate eyes.

SKIN

- Prolonged or repeated exposure may cause skin irritation, even a burn.
- Repeated contact may cause drying or flaking of skin.
- May cause more severe response if confined to skin.
- Extensive skin contact with methylene chloride, such as immersion, may cause an intense burning sensation, followed by a cold, numb feeling which will subside after contact.
- A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
- The dermal LD50 has not been determined.

INGESTION

- Single dose oral toxicity is low.
- The oral LD50 for rats is in the range of 1500-2500 mg/kg.
- Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.
- If aspirated (liquid enters the lung), may be rapidly absorbed through the lungs and result in injury to other body systems.

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