

CHEM063



HILLSBORO ELEMENTARY SCHOOLS

215 S.E. 6th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

IN 0049

MANUFACTURER: Dow Chemical U.S.A.
Midland Michigan 48640

EMERGENCY TELEPHONE NO:
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SECTION I. MATERIAL IDENTIFICATION

Common/Trade Name: Methylene Chloride, Tech
Chemical Name: N/A
Chemical Family: N/A

SECTION II. HAZARDOUS INGREDIENTS

Ingredients:	%	TLV Units
Methylene Chloride, Essentially	100%	100 ppm

SECTION III. PHYSICAL DATA

Boiling Point (°F): 104 deg F (39.8C)	Specific Gravity (Water=1): 1.320 @ 25/25C
Vapor Pressure (mm Hg): 340 MMHG @ 20C	Percent Volatile (By volume): 100
Vapor Density (Air=1): 2.93	
Solubility in Water: 2.0G/100G @ 25C	Evaporation Rate (Bu.Ac. = 1): N/A
Appearance and Odor: Colorless Liquid	

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: None Flammable Limits: LEL: 14.8 UEL: 22
Extinguishing Media: Water fog
Special Fire Fighting Procedures: Pressure demand self-contained respiratory equipment. Forms flammable vapor-air mixtures at temperatures above ambient. Lower temperatures increase the difficulty of getting it to ignite.
Unusual Fire and Explosion Hazards: Not given

SECTION V. HEALTH HAZARD DATA

Threshold Limit Value: See section II above
Effects of Overexposure: Carbohyhemoglobin levels may be elevated. Increasing signs of anesthesia above 900 PPM in the atmosphere can cause death if too much is breathed.

Eyes: Cause pain and moderate irritation. May cause corneal damage.
Skin: No irritation. Prolonged contact- Moderate irritation. If confined to skin-may cause a burn.

Breathing: Remove to fresh air (Possible respiratory problems)

Swallowing: Low single dose oral toxicity.

Emergency and First Aid Procedures:

Eyes: Irrigate with flowing water immediately for 15 minutes. Consult a physician.

Skin: Wash off in flowing water. Wash clothing before reuse.

Breathing: Remove to fresh air if effects occur. Call physician and / or transport to medical facility. If respiration stops give mouth-to-mouth resuscitation.

Swallowing: Do not induce vomiting. Call a physician and/or transport to emergency facility. (May cause chemical pneumonia if aspirated)

SECTION VI. REACTIVITY DATA

Stability: N/A

Conditions To Avoid: N/A

Incompatible With: Aluminum, possibly sodium, potassium, and magnesium.

Hazardous Decomposition Products: Open flames and welding arcs can cause thermal degradation with the evolution of hydrogen chloride and very small amounts of phosgene and chlorine.

Hazardous Polymerization: Will not occur

Conditions To Avoid: N/A

SECTION VII. SPILL OR LEAK PROCEDURES

Procedures In Case of Spill or Leak: small spills: mop up or soak up immediately. remove to out of doors. large spills: evacuate area. contain liquid; transfer to closed metal containers. Keep out of water supply.

Waste Disposal: Send solvent to licensed reclaimer, incineration, evaporation of very small quantities, or approved.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Type of Respiratory Protection: Required: self-contained breathing apparatus.

Ventilation: recommended control of vapors to suggested guides.

Protective Gloves: N/A

Eye Protection: Safety glasses without side shields.

Other Protective Equipment: Eye wash stations and safety showers should be available

SECTION IX. SPECIAL PRECAUTIONS

Handling/Storage Precautions: Exercise reasonable care and caution. Avoid breathing vapors. Store in cool, dry place. Vapors of this product are heavier than air and will collect in low areas such as pits, degreasers, storage tanks and other confined areas. Do not enter these areas where vapors of this product are suspected unless special breathing apparatus is used and an observer is present for assistant. Do not pressure product out of vessel or transport container with air.

Other Precautions: N/A