



HAZTECH  
SYSTEMS,<sup>TM</sup>  
INC.

# Material Safety Data Sheet

NFPA



HMIS

Health Hazard	2
Fire Hazard	1
Reactivity	0



PPE (See Section 15)

## Section 1. Chemical Product and Company Identification

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Trade Name	<b>Lewisite 3 Test</b>	Part #	RE2139
		CAS #	75-09-2
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	RTECS	PA8050000
		TSCA	TSCA 8(b) inventory: Methylene chloride
Synonyms	Methylene chloride, Dichloromethane	CI #	

Chemical Formula C-H<sub>2</sub>-Cl<sub>2</sub>

Supplier Spectrum Chemical Mfg. Corp.  
14422 S. San Pedro St.  
Gardena, CA 90248

In case of emergency contact CHEMTREC  
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-337-2497

Spectrum Chemical Mfg. Corp. 310-516-8000

## Section 2. Composition and Information on Ingredients

### Exposure Limits

Name	CAS #	TWA (mg/m <sup>3</sup> )	STEL	CEIL (mg/m <sup>3</sup> )	% by Weight
Methylene chloride	75-09-2	174			100

Toxicological Data on Ingredients Methylene chloride:  
ORAL (LD50): Acute: 1600 mg/kg [Rat].

## Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator). Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Classified + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC.  
MUTAGENIC EFFECTS: Not available.  
TERATOGENIC EFFECTS: Not available.  
DEVELOPMENTAL TOXICITY: Not available.  
The substance is toxic to lungs, the nervous system, liver, mucous membranes, central nervous system (CNS).  
Repeated or prolonged exposure to the substance can produce target organs damage.



## Lewisite 3 Test

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**Section 4. First Aid Measures**

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Section 5. Fire and Explosion Data**

Flammability	May be combustible at high temperature.
Auto-Ignition Temperature	556°C (1032.8°F)
Flash Point	Not available.
Flammable Limits	LOWER: 4.4% UPPER: 16%
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ), halogenated compounds.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. This product will not support combustion.
Special Remarks on Fire Hazards	Not available.

**Section 6. Accidental Release Measures**

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

Precautions	If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapor/spray.
Storage	Keep in HazCat Unknowns Kit.

**Section 8. Exposure Controls/Personal Protection**

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.

**Section 9. Physical and Chemical Properties**

Physical State and Appearance	Liquid	Volatility	Not available
Molecular Weight	84.93g/mole	Odor Threshold	214 ppm
pH (1% Solution in Water)	7 [Neutral.]	Water/Oil Dist. Coeff.	The product is equally soluble in oil and water; log(oil/water) = 0.1
Boiling Point	39.75°C (103.5°F)	Ionicity (in Water)	Not available
Melting Point	-96.7°C (-142.1°F)	Dispersion Properties	See solubility in water, methanol, diethyl ether, n-octanol, acetone.
Critical Temperature	Not available	Solubility	Easily soluble in methanol, diethyl ether, n-octanol, acetone. Partially soluble in cold water.
Specific Gravity	1.3266 (Water = 1)	Odor	Not available
Vapor Pressure	46.5 kPa (@ 20°C)	Taste	Not available
Vapor Density	2.93 (Air = 1)	Color	Not available

**Section 10. Stability and Reactivity Data**

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

**Section 11. Toxicological Information**

Route of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 1600 mg/kg [Rat]. Acute toxicity of the vapor (LC50): 52000 1 hours [Rat].
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified + (Proven.) by OSHA. Classified 2B (Possible for human.) by IARC. Causes damage to the following organs: lungs, the nervous system, liver, mucous membranes, central nervous system (CNS).
Other Toxic Effects on Humans	Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator).
Special Remarks on Toxicity to Animals	
Special Remarks on Chronic Effects on Humans	Human: passes through the placenta, excreted in maternal milk.
Special Remarks on Other Toxic Effects on Humans	Not available.

**Section 12. Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.



### Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

### Section 14. Transport Information

DOT Classification CLASS 6.1: Poisonous material.

Identification Dichloromethane UNNA: 1593 PG: III

Special Provisions for Transport Not available.

### Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Methylene chloride  
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Pennsylvania RTK: Methylene chloride  
Massachusetts RTK: Methylene chloride  
TSCA 8(b) inventory: Methylene chloride  
SARA 313 toxic chemical notification and release reporting: Methylene chloride  
CERCLA: Hazardous substances.: Methylene chloride OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

California Proposition 65 Warnings California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Methylene chloride.

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).  
CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC) R22- Harmful if swallowed. R38- Irritating to skin.  
R41- Risk of serious damage to eyes. R45- May cause cancer.

### Section 16. Other Information

Part number(s) RE2139

Other Special Considerations Not available.

Validated by R. Turkington

Verified by R. Turkington

Call 1-800-543-5487

#### Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, HazTech Systems, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.