

Safety Data Sheet

Section 1. Substance Identity and Company Contact Information

Product Name	Methylene Chloride	Product Part Number(s)	190918
Trade Name	Methylene Chloride	Unit Size	
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word

Warning

Precautionary Statement(s)

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs (liver and blood) through prolonged or repeated exposure if swallowed. May cause damage to organs (central nervous system) through prolonged or repeated exposure if inhaled.

Emergency Overview

No data available

Target Organ(s)

Liver, blood, and central nervous system.

Potential Health Effects

Eye:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin:	Wash with plenty of soap and water.
Ingestion:	No data available
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Chronic Effects/ Carcinogenicity

IARC:	No data available
NTP:	No data available
OSHA:	No data available

Teratology (Birth Defects) Information

No data available

Reproductive Information

No data available

NFPA Ratings

Health:	2
Flammability:	0
Reactivity:	0
Special Notice Key:	No data available

HMIS Rating	Health:	2
	Flammability:	0
	Reactivity:	0
	Protective Equipment:	No data available

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Methylene chloride	75-09-2	<= 100	No data available	No data available

Section 4. First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for about 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available

Section 5. Fire-fighting Measures

General Information	No data available
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising from the Substance or mixture	No data available
Advice for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Flash Point	No data available
Autoignition Temperature	No data available
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let products enter drains.
Methods and Materials for Containment and Cleaning	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Conditions for Safe Storage, Including any Incompatibilities	Keep container tightly closed in a dry and well-ventilated space. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature.
Specific End Use(s)	Analytical chemistry

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.
Eye/Face Protection	Face shield and safety glasses.
Skin Protection	Handle with gloves. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands.
Body Protection	Complete suit protecting against chemicals.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator.
Control of Environmental Exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point	-97 °C
Initial Boiling Point and Boiling Range	40 °C at 1,013 hPa
Flash Point	No data available
Evaporation Rate	0.71
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	Upper limit: 19 %(V) Lower limit: 12 %(V)
Vapor Pressure	470.9 hPa at 20 °C
Vapor Density	2.93 - (Air-1.0)
Relative Density	1.32 g/cm ³
Water Solubility	slightly soluble
Partition Coefficient : n-octanol/water	low Pow:1.25
Auto-ignition Temperature	556.1 °C 662 °C
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Heat, flames, and sparks. Exposure to sunlight.
Incompatible Materials	Alkali metals, aluminum, strong oxidizing agents, bases, amines, magnesium, strong acids and strong bases, and vinyl compounds.

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	No data available
	<i>On the eye:</i>	No data available
	<i>Inhalation:</i>	No data available
	<i>Ingestion:</i>	No data available
Respiratory or Skin Sensitization		No data available
Signs and Symptoms of Overexposure		No data available
Toxicity Data	<i>Oral Rat</i>	> 2,000 mg/kg

Section 12. Ecological Information

General Notes	Not an environmental hazard.
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Section 13. Disposal Considerations

Product	Offer surplus and non-recyclable solution to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated Packaging	Dispose of as unused product.

Section 14. Transport Information

DOT Shipping Name	Methylene Chloride
UN Proper Shipping Name	Dichloromethane
DOT Hazard Class	6.1
Packing Group	III
UN Number	1593
Hazardous Ingredients	No data available
DOT Label	No data available
DOT Placard	No data available

IMDG Shipping Name	Dichloromethane
UN Number	1593
Class	6.1
Packing Group	III

IATA Shipping Name	Methylene Chloride
Technical Shipping Name	Dichloromethane
IATA Hazard Class	6.1
UN Number	1593
Hazardous Ingredients	No data available
IATA Label	No data available
IATA Placard	No data available

Section 15. Regulatory Information

OSHA Status	No data available	
TSCA Status	No data available	
CERCLA Reportable Quantity	No data available	
SARA Title III	Methylene chloride	
RCRA Status	No data available	
California Proposition 65	No data available	
Chemical Weapons Convention	WARNING! This product contains a chemical known to the State of California to cause cancer. Methylene chloride	
TSCA 12 (b)	No data available	
SARA 311/312	Acute:	Yes
	Chronic:	Yes
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
Australian Hazchem Code	No data available	
Poison Schedule	No data available	
WHMIS	No data available	

Section 16. Other Information

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