

# MATERIAL SAFETY DATA SHEET

Dichloromethane, 99% (Methylene Chloride)

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Dichloromethane, 99% (Methylene Chloride)  
Product Code: D4457  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 3/20/2013  
Print Date: 3/20/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	1
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

## SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Dichloromethane, 99% (Methylene Chloride)	CAS# 75-09-2	100%	W/W	OSHA TWA 25 ppm, STEL (C) 25 ppm

## SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.  
Fire / Explosion Hazards: Vapors may form explosive mixture with air.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Eliminate Ignition Sources. Neutralize with: Soda lime, soda ash. Absorb with vermiculite or other inert material. Place in container.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: NIOSH Approved Gloves, impervious to Organics  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-142° F	Percent Volatile by Volume:	>99
Boiling Point:	104° F	Evaporation Rate	not available
Vapor Pressure:	350 mm Hg	Evaporation Standard	
Vapor Density:	2.9	Auto Ignition Temp	1033 F (556° C)
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	12% (V)
Appearance /Odors:	colorless liquid, ethereal odor	Upper Flamm. Limit in Air	19% (V)
Flash Point:	N/A		
Specific Gravity:	1.33		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Avoid contact with incompatible materials.  
Materials to Avoid: oxidizers, nitrogen tetroxide, liquid oxygen, metals, urea  
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, phosgene gas,  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

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**SECTION 14**      **Transport Information**

DOT Classification:              Dichloromethane, 6.1, UN1593, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15**      **Regulatory Information**

**SECTION 16**      **Additional Information**

NOTE: Vapors may cause eye and skin irritation. Contact with liquid may cause severe irritation and possible burns. May be absorbed through skin. Inhalation and ingestion may cause irritation, headache, nausea, dizziness and drowsiness. Persons with pre-existing conditions may be more susceptible. Target organs: central nervous system, liver, lungs and pancreas. Suspected carcinogen.

Flammability

Health

Reactivity

Revisions

NFPA

0.2

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