

Methylene Chloride Material Safety Data Sheet



1. PRODUCT & COMPANY IDENTIFICATION

Supplier	A & C Plastics, Inc. 6135 Northdale Houston, TX 77087-5095 (713) 645-4915 (800) 231-4175 FAX (800) 627-5899
Synonyms	DICHLOROMETHANE
CAS Number	75-09-2

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Methylene Chloride
CAS Number	75-09-2
Amount (%W/W)	100
* COMPONENT IS HAZARDOUS ACCORDING TO OSHA.	

3. HAZARDS IDENTIFICATION

Health Hazards Acute & Chronic: Inhalation: Methylene chloride depresses the central nervous system. Skin: prolonged or repeated contact may cause irritation, defatting of skin & dermatitis. Eyes: vapors may irritate eyes.

Signs & Symptoms of Overexposure: inhalation: nausea, headache, vomiting, numbness and tingling in arms and legs and rapid heartbeat, loss of consciousness and death have occurred.

Medical Conditions Aggravated by Exposure: alcoholism, acute and chronic liver, chronic lung disease, anemia, coronary disease or rhythm disorders of the heart.

LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN

Route of Entry Indicators:

Inhalation: YES

Skin: NO

Ingestion: NO

Carcinogenicity Indicators NTP: YES IARC: YES OSHA: NO

Carcinogenicity Explanation: methylene chloride is listed on the iarc & ntp carcinogen list but not by OSHA.



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4. FIRST AID MEASURES FIRST AID:

INHALATION: remove to fresh air. If breathing has stopped, administer artificial respiration. Call a physician.

SKIN: remove contaminated clothing. Wash exposed area with large amounts of water for 15 min.

EYES: flush eyes immediately with water for 15 min. If irritation persists, call physician.
Ingestion: do not induce vomiting. Contact physician or emergency medical facility immediately.

4. FIRE FIGHTING MEASURES & FIRE FIGHTING PROCEDURES:

Fire fighters should wear self-contained breathing apparatus due to thermal decomposition products and avoid skin contact. Unusual fire or explosion hazard: concentrated vapors can be ignited by high intensity heat source.

Extinguishing media: water fog, dry chemical, foam, carbon dioxide.

Flash point: flash point text: none

autoignition temperature: autoignition temperature text: n/k

lower limit(s): 12% upper limit(s): 19%

5. ACCIDENTAL RELEASE MEASURES & SPILL RELEASE PROCEDURES:

Evacuate the area. Ventilate, and avoid breathing vapors.

Dike area to contain spill. Clean up area (wear protective clothing) by mopping or with absorbent material & place in closed container for disposal. Do not flush to sewer. Avoid ground water.

Respiratory Protection: where vapor concentrations exceed 50 ppm, an approved respirator with organic vapor cannister is acceptable. An approved self-contained breathing apparatus or air line respirator with full facepiece, is required for concentrations >1000ppm.

Ventilation: do not use in closed or confined space. Open doors &/or windows. Use ventilation to maintain levels below 50 ppm.

Protective Gloves: solvent resist; viton, polyvinyl alcohol

Eye Protection: safety glasses, chemical goggles/shield.

Other Protective Equipment: protective clothing, eye wash station & safety shower. To determine exposure levels, monitoring should be performed.

Work Hygienic Practices: do not eat, drink or smoke in work area. Wash hands prior to eating, drinking or using restrooms. Launder soil clothes.



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Supplemental Health & Safety Information: note: protective equipment and clothing should be selected, used and maintained according to applicable standards and regulations. For further information contact the clothing or equipment manufacturer.

6. HANDLING AND STORAGE:

Handling and Storage Precautions: Avoid high temperatures. Keep material dry and away from moisture. Released material will evaporate.

Other Precautions: N/A

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: where vapor concentrations exceed 50 ppm, an approved respirator with organic vapor cannister is acceptable. An approved self-contained breathing apparatus or air line respirator with full facepiece, is required for concentrations >1000ppm.

Ventilation: do not use in closed or confined space. Open doors &/or windows. Use ventilation to maintain levels below 50 ppm.

Protective Gloves: SOLVENT RESIST; VITON, POLYVINYL ALCOHOL

Eye Protection: SAFETY GLASSES, CHEMICAL GOGGLES/SHIELD.

Other Protective Equipment: protective clothing, eye wash station & safety shower. To determine exposure levels, monitoring should be performed.

Work Hygienic Practices: do not eat, drink or smoke in work area. Wash hands prior to eating, drinking or using restrooms. Launder soil clothes.

Supplemental Health & Safety Information: note: protective equipment and clothing should be selected, used and maintained according to applicable standards and regulations.

8. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	104F,40C
Melting/Freezing Point:	N/R
Decomposition Point: Decomposition Text:	N/K
Vapor Pressure:	350
Vapor Density:	2.9
Percent Volatile Organic Content:	
Specific Gravity:	1.32
Volatile Organic Content Pounds per Gallon:	
pH:	N/K
Volatile Organic Content Grams per Liter:	
Viscosity:	N/R
Evaporation Weight and Reference:	0.7 (ETHER=1)
Solubility in Water:	1.32 GM/100 GM



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Appearance and Odor: COLORLESS CLEAR
LIQUID; MILDLY SWEET ODOR.
Percent Volatiles by Volume: 100%
Corrosion Rate: N/K

9. STABILITY AND REACTIVITY

Stability Indicator: YES

Materials to Avoid: strong alkalis, oxygen, nitrogen peroxide, sodium, potassium, & other oxidizers & reactive metals.

Stability Condition to Avoid: contact with open flame, electric arcs, or other hot surfaces which can cause thermal decomposition.

Hazardous Decomposition Products: hydrogen chloride, phosgene, chloride.

Hazardous Polymerization Indicator: NO Conditions to Avoid Polymerization: will not occur

10. TOXICOLOGICAL INFORMATION

Toxicological Information: N/P

11. ECOLOGICAL INFORMATION

Ecological Information: N/P

12. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: recovered liquid may be sent to a licensed reclaimer or incinerated. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state or local disposal authorities for approved procedures.

13. TRANSPORT INFORMATION

Transport Information:

Department of Transportation Information

DOT Proper Shipping Name: DICHLOROMETHANE DOT PSN Code: EUP Symbols: DOT

PSN Modifier:

14. REGULATORY INFORMATION

SARA Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

15. OTHER INFORMATION

Department of Transportation Information

DOT Proper Shipping Name: DICHLOROM



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ETHANE DOT PSN Code: EUP Symbols: DOT
PSN Modifier:

Disclaimer:

EMPLOYEE TRAINING

See Section 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

NOTICE

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