MATERIAL SAFETY DATA SHEET

Methylene Chloride

1. Product & Company Identification

Supplier	Eaton Chemical 4124 NW Riverside Riverside, MO 64150
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: METNHYLENE 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 OCCURED.

Medical Conditions Aggravated by Exposure:
ALCOHOLISM, ACUTE AND CHRONIC LIVER, CHRONIC LUNG DISEASE, ANEMIA, CORONARY DISEASE OR RHYTM DISORDERS OF THE HEART.

LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN
Route of Entry Indicators:
Inhalation: YES

Source SDS: WinSynergy Chemical, dated 1/31/2025. Supplier details updated for Eaton Chemical.

Skin: NO
Ingestion: NO
Carcenogenicity 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.

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5. 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%

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6. 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 DIS POSAL. DO NOT FLUSH TO SEWER. AVOID GROUND WATER.

7. Handling and Storage

Handling and Storage Precautions:

Other Precautions:

8. Exposure Controls/Personal Protection

Repiratory 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 Hygenic 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. FOR FUTHER INFORMATION CONTACT THE CLOTHING OR EQUIPMENT MANUFACTURER OR THE VULCAN CHEMICAL TECHNICAL SERVICE DEPARTMENT.

9. Physical and Chemical Properties

HCC: T4
NRC/State License Number: N/R
Net Property Weight for Ammo: N/R

Boiling Point: Boiling Point Text: 104F,40C
Melting/Freezing Point: Melting/Freezing Text: 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
Appearance and Odor: COLORLESS CLEAR LIQUID; MILDLY SWEET ODOR.
Percent Volatiles by Volume: 100%
Corrosion Rate: N/K

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10. Stability and Reactivity

Stability Indicator: YES
Materials to Avoid:
STRONG ALKALIES, 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.

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11. Toxicological Information

Toxicological Information:
N/P

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12. Ecological Information

Ecological Information:
N/P

13. 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 MSNAGEMENT FACILITY. CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHOR ITIES FOR APPROVED PROCEDURES.

14. Transport Information

Transport Information:
N/P

15. Regulatory Information

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

16. Other Information

Department of Transportation Information
DOT Proper Shipping Name: DICHLOROMETHANE
DOT PSN Code: EUP
Symbols:
DOT PSN Modifier:

Hazard Class: 6.1
UN ID Number: UN1593
DOT Packaging Group: III
Label: KEEP AWAY FROM FOOD
Special Provision(s): N36,T13

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