

# Safety Data Sheet

Methylene Chloride

## SECTION I - IDENTIFICATION



Transchem, Inc.

5937 Darwin Court, Suite 104

Carlsbad, CA 92008

(800) 783-2436

Chemtel Emergency Response :. (800) 255-3924

**Product Number** MCE

**Product Name** Methylene Chloride

**Chemical Family**

**CAS Number** 75-09-2

**Date Prepared** 3/11/1996

**Revision Date** 1/27/2025

### Recommended Use

After February 3, 2025, this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers. After January 28, 2026, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of methylene chloride equal to or greater than 0.1% by weight for the following purposes:

- (1) Processing as a reactant;
- (2) Processing for incorporation into a formulation, mixture, or reaction product;
- (3) Processing for repackaging;
- (4) Processing for recycling;
- (5) Industrial or commercial use as a laboratory chemical;
- (6) Industrial or commercial use as a bonding agent for solvent welding;
- (7) Industrial and commercial use as a paint and coating remover from safety-critical, corrosion-sensitive components of aircraft and spacecraft;
- (8) Industrial and commercial use as a processing aid;
- (9) Industrial and commercial use for plastic and rubber products manufacturing;
- (10) Industrial and commercial use as a solvent that becomes part of a formulation or mixture, where that formulation or mixture will be used inside a manufacturing process, and the solvent (methylene chloride) will be reclaimed;
- (11) Industrial and commercial use in the refinishing for wooden furniture, decorative pieces, and architectural fixtures of artistic, cultural or historic value until May 8, 2029;
- (12) Industrial and commercial use in adhesives and sealants in aircraft, space vehicle, and turbine applications for structural and safety-critical non-structural applications until May 8, 2029;
- (13) Disposal; and
- (14) Export.

## SECTION II - HAZARDOUS IDENTIFICATION

### GHS CLASSIFICATION:

#### Classification

Acute Toxicity, Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ toxicity, single exposure, R	Category 3
Specific target organ toxicity, single exposure, N	Category 3
Carcinogenicity	Category 2
Specific target organ toxicity, repeated exposure	Category 2

### WARNING!

GHS LABEL:



**Hazard Statements**

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause dizziness or drowsiness
H351	Suspected of causing cancer
H373	Causes damage to organs through prolonged or repeated exposure

**Precautionary Statements**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with soap and water.
P304+341	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P308+313	IF exposed or concerned: get medical advice/attention.
P312	Call a POISON CENTER or a doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P332+313	If skin irritation occurs: get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P403+233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

### SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Dichloromethane	75-09-2	100%	25 ppm	50 ppm

### SECTION IV - FIRST AID MEASURES

**Contact with eyes:** Flush with water for 15 minutes. Seek immediate medical attention.

**Skin contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

**Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention if symptoms persist.

**Ingestion:** If swallowed. Seek immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel or a poison control center.

### SECTION V - FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, CO2, dry chemical.

**Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

**Unusual Fire Fighting Hazards:** Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Keep all sources of ignition and hot metal surfaces away from spill or release.  
Evacuate all unprotected personnel from the area.

**Environmental Precautions:** Prevent liquid from entering drains, sewers, waterways, ground and surface water or soil.  
Contain spill if it can be done with minimal risk.

**Methods for Cleaning Up:** Use foam on spills to minimize vapors.  
Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

## SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Vent container carefully before opening.
  - "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
  - Keep containers tightly closed when not in use.
  - Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
  - NFPA Class III B storage.
  - Store out of direct sunlight and in a cool, well-ventilated area.
  - Aluminum equipment should not be used in the storage and/or transfer. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.

## SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

### EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Dichloromethane	75-09-2	25 ppm	50 ppm

**Engineering Controls:** Adequate local or mechanical ventilation to reduce vapor or mist to below the PEL or TLV.

**Monitoring:** Follow accepted work practices for handling a flammable material.  
Do not eat, drink or smoke in areas where this chemical is used or stored.  
Wash hands prior to eating, drinking or using the restroom.  
Any clothing or shoes which became contaminated with the product should be removed immediately and thoroughly laundered before wearing again.

### Personal Protective Equipment (PPE)

**Eye Protection:** Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

**Skin Protection:** Impervious solvent resistant gloves with a PF of 10 to 20.  
Impervious apron and work boots recommend where splashing may occur.

**Respiratory Protection:** Use the proper respirator with APFs ranging from 10 to 50 in areas where the chemical exposure is unknown or above the OSHA PEL (100ppm) or ACGIH TLV (10ppm [2006]).

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Mildly sweet
<b>pH@25°C</b>	-
<b>Melting/Freezing Point</b>	-139°F
<b>Flashpoint</b>	None, TCC; Ignition Temp = 1155-1224F°(624-662°C)
<b>Specific Gravity</b>	1.32
<b>Solubility</b>	1.32 Gr/100Gr @ 25°C
<b>Auto-Ignition Temperature</b>	1033°F
<b>Decomposition Temperature</b>	-
<b>VOC Content</b>	0% (VOC-Exempt Solvent)
<b>Odor Threshold</b>	200-300ppm
<b>Boiling Range</b>	104°F
<b>Evaporation Point</b>	0.7 (Ether=1)
<b>Flammable Limits - Upper</b>	19%
<b>Flammable Limits - Lower</b>	12%
<b>Vapor Pressure</b>	350 mmHg @ 20°C
<b>Vapor Density (Air=1)</b>	2.9 (Air=1)
<b>Viscosity</b>	-

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** None

**Hazardous Decomposition/Byproducts:** Hydrogen chloride, phosgene, chlorine

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

**Incompatibilities:** Strong Oxidizers, alkalies, nitrogen peroxide, reactive metals, open flame, hot surfaces

## SECTION XI - TOXICOLOGICAL INFORMATION

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**Inhalation:** Low to moderate degree of toxicity by inhalation.  
May cause respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.

**Eye Contact:** Causes eye irritation including stinging, watering and redness which may result in corneal injury.

**Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.  
Can be painful if skin is confined in gloves, clothing, etc.  
Repeated or prolonged contact with large amounts of this material may result in absorption through the skin to produce toxic effects.

**Ingestion:** Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

### Toxicity:

Component Name	LD50	LC50
Dichloromethane	Oral - Rat - > 2,000 mg/kg; Dermal - Rat - > 2,000 mg/kg	Inhalation - Rat - 52,000 mg/m3

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

## SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicity:** Information not available.

**Mobility:** Information not available.

**Degradability:** Information not available.

**BioAccumulation:** Information not available.

## SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

## SECTION XIV - TRANSPORT INFORMATION

### DOT SHIPPING INFORMATION

**Proper Shipping Name:** Dichloromethane

**Contains:**

**Hazard Class and Label:** 6.1

**Identification Number:** UN 1593

**Packaging Group:** III

**Other Shipping Info:**

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS.....** The components of this product are listed on the TSCA Inventory

Restrictions on Use (United States): This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

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- (14) Export.

**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.

**SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:**

Acute	Chronic	Fire	Pressure	Reactive
X	X			

**SARA TITLE III SECTION 313 SUPPLIER INFORMATION:**

Component Name	CAS #	% by wt.
Dichloromethane	75-09-2	100%

**CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:**

Component Name	CAS #	% by wt.	RQ (lbs.)
Dichloromethane	75-09-2	100%	1,000

**CALIFORNIA PROPOSITION 65:**

WARNING! This product contains a chemical known to the State of California to cause cancer. Dichloromethane 75-09-2

**CERCLA**

This material is listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with a reportable quantity of 1000 lbs. Releases to air, land or water which exceed the RQ must be reported to the National Response Centre. 800-424-8802.

**SECTION XVI - OTHER INFORMATION**

HMIS Health ..... 2

HMIS Flammability ..... 1

HMIS Reactivity ..... 0

## **Specification Information**

**Department issuing data sheet: Compliance**

**Email address:       compliance@transcheminc.com**

**Training necessary: Follow all Federal, State and local regulations.**

### **Disclaimer:**

**Seller and manufacturer disclaim any implied or expressed warranties, including warranties of merchantability or fitness of this product for any particular purpose. In no event shall seller be liable for any claim for incidental or consequential damages arising out of or in connection with the sale, delivery, transportation or use of this product. Seller's and manufacturer's liability in all events is limited to, and shall not exceed the purchase price paid for this product**