

Product Identifier	Details
Product Name	Dichloromethane
CAS Number	75-09-2
EC Number	200-838-9
Revision Date	November 23, 2025
Document ID	75092-492123

SECTION 1: Identification

Recommended use: Laboratory chemicals, Industrial manufacturing.
Supplier: SmartMSDS Compliance Cloud (System Generated).
Emergency Phone: To be provided by the customer (e.g., 24-hour contract number or local emergency services).

SECTION 2: Hazards Identification

Signal Word	GHS Classification	Hazard Statements
Danger	Acute toxicity, Oral Category 4, Acute toxicity, Inhalation Category 3, Carcinogenicity Category 2	H302: Harmful if swallowed, H331: Toxic if inhaled, H350: May cause cancer

Pictograms: Skull and crossbones, Health hazard

SECTION 3: Composition/Information on Ingredients

Substance Name: Dichloromethane
CAS Number: 75-09-2
Concentration: >99%
Formula: CH2Cl2
Synonyms: Methylene chloride, Dichloroform, DCM

SECTION 4: First Aid Measures

General Advice: Consult a physician.
Inhalation: Move to fresh air. If not breathing, give artificial respiration.
Skin Contact: Wash off with soap and water.
Eye Contact: Rinse cautiously with water.
Ingestion: Rinse mouth. Do NOT induce vomiting.

SECTION 5: Firefighting Measures

Suitable Extinguishing Media: Use dry chemical, foam, or carbon dioxide.
Special Hazards: Thermal decomposition may produce toxic gases.

SECTION 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid breathing vapours.

Environmental Precautions: Do not let product enter drains.

Methods for Cleaning Up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing.

SECTION 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage: Store in cool place. Keep container tightly closed.

SECTION 8: Exposure Controls/Personal Protection

Component	OSHA PEL	ACGIH TLV	NIOSH REL
Dichloromethane	TWA 25 ppm	TWA 50 ppm	TWA 25 ppm

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice.

PPE: Safety glasses, Gloves, Protective clothing.

SECTION 9: Physical and Chemical Properties

Appearance	Colorless liquid
Odor	Sweet, non-pungent
pH	Neutral
Boiling Point	39.6°C
Flash Point	No data available
Relative Density	1.33 g/cm ³
Solubility	Soluble in water

SECTION 10: Stability and Reactivity

Reactivity: Non-reactive under normal conditions.

Conditions to Avoid: Heat, flames, and sparks.

Incompatible Materials: Strong oxidizers, alkali metals.

SECTION 11: Toxicological Information

Acute Toxicity: LD50 Oral Rat: >2000 mg/kg; LD50 Dermal Rabbit: >2000 mg/kg; LC50 Inhalation Rat: 88 mg/L (4 hours).

Carcinogenicity: IARC Group 2B: Possibly carcinogenic to humans.

SECTION 12: Ecological Information

Toxicity: No data available.

Persistence and Degradability: No data available.

SECTION 13: Disposal Considerations

Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport Information

UN Number	Proper Shipping Name	Class	Packing Group
1593	Dichloromethane	6.1	II

SECTION 15: Regulatory Information

TSCA: Listed. SARA 313: Check local regulations.

SECTION 16: Other Information

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