

MATERIAL SAFETY DATA SHEET (MSDS)

DICHLORMETHANE HPLC (METHYLENE CHLORIDE)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : DICHLORMETHANE HPLC (METHYLENE CHLORIDE)

Product code : SS0106602500

Identification of the product : Dichloromethane
 CAS No: 75-09-2
 EC No :200-838-9
 Annex No :602-004-00-3

Chemical formula : CH₂Cl₂

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
 Contact: +91 22 28725393 / 94 / 95
 Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Carc. Cat. 3; R40

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



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2. Hazards identification -DSD (continued)

Symbol(s) : Xn : Harmful
 R Phrase(s) : R40 : Limited evidence of a carcinogenic effect.
 S Phrase(s) : S2 : Keep out of the reach of children.
 S23 : Do not breathe the gas, fumes, vapours, spray.
 S24/25 : Avoid contact with skin and eyes.
 S36/37 : Wear suitable protective clothing and gloves.
 Contains : Dichloromethane

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words : Warning
 Hazard statements : H351 : Suspected of causing cancer.
 Precautionary statements
 • General : P102: Keep out of reach of children.
 P103: Read label before use.
 P101: If medical advice is needed, have product container or label at hand.
 P201: Obtain special instructions before use.
 • Prevention : P281: Use personal protective equipment as required.
 • Response : P308+P313: If exposed or concerned : get medical advice.
 • Storage : P405: Store locked up.
 • Disposal considerations : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
 Contains : Dichloromethane

2.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation : Dichloromethane

EC No :200-838-9
 Annex No :602-004-00-3
 Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Dichloromethane	100 %	75-09-2	200-838-9	602-004-00-3	----	Carc. Cat. 3; R40 Carc. 2_ H351

Contains no other components or impurities which will influence the classification of the product.

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4. First aid measures

4.1. Description of first aid measures

Inhalation	: Assure fresh air breathing. Allow the victim to rest.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use	: Suspected of causing cancer.
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4.3. Indication of any immediate medical attention and special treatment needed

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	: Under fire conditions, hazardous fumes will be present.
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5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders	: Equip cleanup crew with proper protection. Ventilate area.
For non-emergency personnel	: Evacuate unnecessary personnel.

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6. Accidental release measures (continued)

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Obtain special instructions before use.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s) : None.

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

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8. Exposure controls/personal protection (continued)

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Clear Colorless
Odour	: Chloroform-like odor
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: -97 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: 556 °C
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: 39.8 - 40 °C
Initial boiling point [°C]	: 39.8 °C
Final boiling point [°C]	: 40 °C
Evaporation rate	: 0,71
Vapour pressure [20°C]	: 470.8 hPa at 20°C
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 1,325
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Slightly soluble
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A

9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

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10. Stability and reactivity

10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

- Inhalation : Based on available data, the classification criteria are not met.
- Dermal : Based on available data, the classification criteria are not met.
- Ingestion : Based on available data, the classification criteria are not met.

Corrosion : Based on available data, the classification criteria are not met.

Irritation : Based on available data, the classification criteria are not met.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Suspected of causing cancer.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

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12. Ecological information

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. Disposal considerations

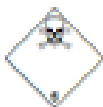
13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

14.1. Land transport (ADR-RID)

Proper shipping name : DICHLOROMETHANE
 UN N° : 1593
 H.I. nr : 60
 ADR - Class : 6.1
 Labelling - Transport : 6.1 : Toxic substances.

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14. Transport information (continued)


ADR - Classification code : T1
 ADR - Group : III
 ADR - Packing instructions : P001 R001 LP001
 ADR - Limited Quantity : 5 L
 ADR - Tunnel code



: E : Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG). [English only]

Proper shipping name : DICHLOROMETHANE
 UN N° : 1593
 IMO-IMDG - Class or division : 6.1 : Toxic substances.
 IMO-IMDG - Packing group : III
 IMO-IMDG - Packing instructions : P001 LP01
 IMO-IMDG - Limited quantities : 5 L
 IMO-IMDG - Marine pollution : No
 EMS-Nr : F-A S-A

14.3. Air transport (ICAO-IATA). [English only]

Proper shipping name : DICHLOROMETHANE
 UN N° : 1593
 IATA - Class or division : 6.1 : Toxic substances.
 IATA - Packing group : III
 IATA - Passenger and Cargo Aircraft : ALLOWED
 - Passenger and Cargo - Packing instruction : 655
 - Passenger and Cargo - Maximum Quantity/Packing : 60 L
 IATA - Cargo only : ALLOWED
 - Cargo only - Packing instruction : 663
 - Cargo only - Maximum Quantity/Packing : 220 L
 IATA - Limited Quantities : 2 L
 ERG-Nr : 6L

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In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

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