

## 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 : SS0106601000

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

Chemical formula : CH<sub>2</sub>Cl<sub>2</sub>

##### 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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### DICHLORMETHANE HPLC (METHYLENE CHLORIDE)

#### 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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### DICHLORMETHANE HPLC (METHYLENE CHLORIDE)

#### 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 <sup>3</sup> ]	: 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 <sup>2</sup> /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)

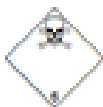
Proper shipping name : DICHLOROMETHANE  
 UN N° : 1593  
 H.I. nr : 60  
 ADR - Class : 6.1  
 Labelling - Transport : 6.1 : Toxic substances.

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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

**MATERIAL SAFETY DATA SHEET (MSDS)**

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

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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