

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CHLOROACETIC ACID LR**
**1. Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

Trade name : CHLOROACETIC ACID LR

Product code : C0066200500

 Identification of the product : Chloroacetic acid  
 CAS No: 79-11-8  
 EC No :201-178-4  
 Annex No :607-003-00-1

**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 : T; R23/24/25  
 C; R34  
 N; R50

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

 Health hazards : Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331  
 Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301  
 Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311  
 Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314  
 Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP : Aquatic Acute 1) H400

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**2. Hazards identification -DSD (continued)**
**2.2. Label elements**
**Labelling EC 67/548 or EC 1999/45**
**Symbol(s)**

**Symbol(s)**

: T : Toxic  
 N : Dangerous for the environment

**R Phrase(s)**

: R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.  
 R34 : Causes burns.  
 R50 : Very toxic to aquatic organisms.

**S Phrase(s)**

: S1 : Keep locked up.  
 S2 : Keep out of the reach of children.  
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.  
 S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).  
 S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.  
 S63 : In case of accident by inhalation : remove casualty to fresh air and keep at rest.

**Contains**

: Chloroacetic acid

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**

**Signal words**

: Danger

**Hazard statements**

: H314 : Causes severe skin burns and eye damage.  
 H301 : Toxic if swallowed.  
 H311 : Toxic in contact with skin.  
 H331 : Toxic if inhaled.  
 H400 : Very toxic to aquatic life.

**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.

**• Prevention**

: P280: Wear protective gloves, protective clothing, eye protection, face protection.  
 P271: Use only outdoors or in a well-ventilated area.  
 P260: Do not breathe dust, fume, gas, mist, vapours, spray.

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### CHLOROACETIC ACID LR

#### 2. Hazards identification -DSD (continued)

- Response**
- P273: Avoid release to the environment.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.
- Storage**
- P302+P352: IF ON SKIN : Wash with plenty of soap and water.  
 P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.  
 P391: Collect spillage.  
 P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.  
 P363: Wash contaminated clothing before reuse.  
 P361: Remove immediately all contaminated clothing.
- Disposal considerations**
- P403+P233: Store in well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.
- Contains**
- : Chloroacetic acid

#### 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** : Chloroacetic acid

EC No :201-178-4  
 Annex No :607-003-00-1  
 Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Chloroacetic acid	100 %	79-11-8	201-178-4	607-003-00-1	----	T; R23/24/25 C; R34 N; R50  Acute Tox. 3 (skin) _ H311 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 Skin Corr. 1B _ H314 Aquatic Acute 1 _ H400

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**

<b>Inhalation</b>	: Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin contact</b>	: Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash with plenty of soap and water.
<b>Eye contact</b>	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or doctor.
<b>Ingestion</b>	: Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

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

<b>Symptoms relating to use</b>	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes severe skin burns and eye damage. Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>General information</b>	: 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**

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

**5.2. Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.
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**5.3. Advice for fire-fighters**

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

**MATERIAL SAFETY DATA SHEET (MSDS)**
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**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.

**6.2. Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters  
sewers or public waters.  
Avoid release to the environment.

**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** : Do not eat, drink or smoke when using this product. Wash thoroughly after  
handling. Use only outdoors or in a well-ventilated area. Do not breathe dust, fume,  
gas, mist, vapours, spray. Wash contaminated clothing before reuse.

**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  
tightly closed.

**Storage regulation** : Comply with applicable regulations.

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

**7.3. Specific end use(s)**

**Specific end use(s)** : None.

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**8. Exposure controls/personal protection**
**8.1. Exposure controls**

<b>Personal protection</b>	: Avoid all unnecessary exposure.
• <b>Respiratory protection</b>	: In case of insufficient ventilation, wear suitable respiratory equipment.
• <b>Hand protection</b>	: Wear protective gloves.
• <b>Skin protection</b>	: Wear suitable protective clothing.
• <b>Eye protection</b>	: Chemical goggles or face shield.
• <b>Others</b>	: When using, do not eat, drink or smoke.

**8.2. Control parameters**

<b>Occupational Exposure Limits</b>	: No data available.
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**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

<b>Physical state at 20 °C</b>	: Solid.
<b>Colour</b>	: White crystalline
<b>Odour</b>	: Penetrating, burning odor
<b>Odour threshold</b>	: No data available.
<b>pH value</b>	: No data available.
<b>Melting point [°C]</b>	: 60 - 63 °C
<b>Decomposition point [°C]</b>	: N/A
<b>Critical temperature [°C]</b>	: N/A
<b>Auto-ignition temperature [°C]</b>	: N/A
<b>Flammability (solid, gas)</b>	: N/A
<b>Flash point [°C]</b>	: 126 °C
<b>Boiling point [°C]</b>	: 189 °C
<b>Initial boiling point [°C]</b>	: N/A
<b>Final boiling point [°C]</b>	: N/A
<b>Evaporation rate</b>	: N/A
<b>Vapour pressure [20°C]</b>	: 0.2 hPa at 20 °C
<b>Vapour pressure mm/Hg</b>	: 1 mm Hg @ 43C
<b>Vapour density</b>	: 3,26
<b>Density [g/cm3]</b>	: 1,58
<b>Relative density, gas (air=1)</b>	: N/A
<b>Relative density, liquid (water=1)</b>	: N/A
<b>Solubility in water [% weight]</b>	: Very soluble in wate

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**9. Physical and chemical properties (continued)**

Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: < 1 at 800 g/l at 20
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 [%]	: 8%
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity.**

Reactivity	: Not established.
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**10.2. Chemical stability.**

Chemical stability	: Stable under recommended storage conditions.
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**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
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**10.4. Conditions to avoid**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.
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**11. Toxicological information**
**11.1. Information on toxicological effects**



**MATERIAL SAFETY DATA SHEET (MSDS)**  
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**11. Toxicological information (continued)**

<b>Acute toxicity</b>	
• Inhalation	: Toxic if inhaled.
• Dermal	: Toxic in contact with skin.
• Ingestion	: Toxic if swallowed.
<b>Corrosion</b>	: Causes severe skin burns and eye damage.
<b>Irritation</b>	: Based on available data, the classification criteria are not met.
<b>Sensitization</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

**Toxicity information** : Very toxic to aquatic life.

**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.



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**13. Disposal considerations**
**13.1. Waste treatment methods**

<b>General</b>	: 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.
<b>Special precautions</b>	: Hazardous waste due to toxicity.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

<b>Proper shipping name</b>	: CHLOROACETIC ACID SOLUTION
<b>UN N°</b>	: 1750
<b>H.I. nr</b>	: 68
<b>ADR - Class</b>	: 6.1
<b>Labelling - Transport</b>	: 6.1 : Toxic substances. 8 : Corrosive substance.



<b>ADR - Classification code</b>	: TC1
<b>ADR - Group</b>	: II
<b>ADR - Packing instructions</b>	: P001
<b>ADR - Limited Quantity</b>	: 100 ML
<b>ADR - Tunnel code</b>	



: D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

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

<b>Proper shipping name</b>	: CHLOROACETIC ACID SOLUTION
<b>UN N°</b>	: 1750
<b>IMO-IMDG - Class or division</b>	: 6.1 : Toxic substances. ( 8 : Corrosive substance. )
<b>IMO-IMDG - Packing group</b>	: II
<b>IMO-IMDG - Packing instructions</b>	: P001
<b>IMO-IMDG - Limited quantities</b>	: 100 ml

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**14. Transport information (continued)**

IMO-IMDG - Marine pollution : Yes  
 EMS-Nr : F-A S-B

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

Proper shipping name : CHLOROACETIC ACID SOLUTION  
 UN N° : 1750  
 IATA - Class or division : 6.1 : Toxic substances. ( 8 : Corrosive substance. )  
 IATA - Packing group : II  
 IATA - Passenger and Cargo Aircraft : ALLOWED  
   - Passenger and Cargo - Packing instruction : 653  
   - Passenger and Cargo - Maximum Quantity/Packing : 1 L  
 IATA - Cargo only : ALLOWED  
   - Cargo only - Packing instruction : 660  
   - Cargo only - Maximum Quantity/Packing : 30 L  
 IATA - Limited Quantities : 0.5 L  
 ERG-Nr : 6C

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.  
 REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.  
 REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

**15.2. Chemical Safety Assessment**

Chemical Safety Assessment : It has not been carried out.

**16. Other information**

Revision : Revision - See : \*  
 Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.  
   vPvB: very persistent and very bioaccumulative  
 Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and

## MATERIAL SAFETY DATA SHEET (MSDS)

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

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