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

Trade name : CUPFERRON AR

Product code : C0080100025

Identification of the product : CUPFERRON AR 98%  
 CAS No :135-20-6

**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; R25  
 Xi; R36/37/38

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

Health hazards : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -  
 Category 3 - Warning (CLP : STOT SE 3) H335  
 Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301  
 Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315  
 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

**2.2. Label elements**
**Labelling EC 67/548 or EC 1999/45**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**2. Hazards identification -DSD (continued)**
**Symbol(s)**

**Symbol(s)**

: T : Toxic

**R Phrase(s)**

 : R25 : Toxic if swallowed.  
 R36/37/38 : Irritating to eyes, respiratory system and skin.  
 R40 : Limited evidence of a carcinogenic effect.

**S Phrase(s)**

 : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37 : Wear suitable protective clothing and gloves.  
 S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).

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

**Signal words**

: Danger

**Hazard statements**

 : H301 : Toxic if swallowed.  
 H319 : Causes serious eye irritation.  
 H315 : Causes skin irritation.  
 H335 : May cause respiratory irritation.

**Precautionary statements**
**• Prevention**

 : P280: Wear protective gloves, protective clothing, eye protection, face protection.  
 P271: Use only outdoors or in a well-ventilated area.  
 P261: Avoid breathing dust, fume, gas, mist, vapours, spray.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.

**• Response**

 : P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.  
 P302+P352: IF ON SKIN : Wash with plenty of soap and water.  
 P332+P313: If skin irritation occurs : Get medical advice.  
 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.  
 P363: Wash contaminated clothing before reuse.

**• Storage**

 : P403+P233: Store in well-ventilated place. Keep container tightly closed.  
 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.

**2.3. Other hazards**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**2. Hazards identification -DSD (continued)**

**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** : CUPFERRON AR 98%  
 CAS No :135-20-6  
 Substance.

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

**4. First aid measures**
**4.1. Description of first aid measures**

**Inhalation** : Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** : Wash with plenty of soap and water. If skin irritation occurs : Get medical advice. Specific treatment (see on this label). Wash contaminated clothing before reuse.

**Eye contact** : Rinse cautiously with water for several minutes. Get medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists :

**Ingestion** : Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. Specific treatment (see on this label).

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

**Symptoms relating to use** : Swallowing a small quantity of this material will result in serious health hazard.  
 Causes serious eye irritation.  
 Causes skin irritation. May cause respiratory irritation.

**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).

**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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**5. Fire-fighting measures (continued)**
**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.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

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

**6.2. Environmental precautions**

<b>Environmental precautions</b>	: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
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**6.3. Methods and material for containment and cleaning up**

<b>Clean up methods</b>	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
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**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

<b>Handling</b>	: Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
<b>Technical protective measures</b>	: Provide good ventilation in process area to prevent formation of vapour.
<b>Special precautions</b>	: Avoid breathing dust, fume, gas, mist, vapours, spray.

**7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.
<b>Storage - away from</b>	: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

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

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**7. Handling and storage (continued)**

Specific end use(s) : None.

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

<b>Personal protection</b>	: Avoid all unnecessary exposure.
• <b>Respiratory protection</b>	: Wear approved mask.
• <b>Hand protection</b>	: Wear protective gloves.
• <b>Skin protection</b>	: Wear suitable protective clothing.
• <b>Eye protection</b>	: Chemical goggles or safety glasses.
• <b>Others</b>	: When using, do not eat, drink or smoke.

**8.2. Control parameters**

Occupational Exposure Limits : No data available.

**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>	: Yellowish
<b>Odour</b>	: N/A
<b>Odour threshold</b>	: No data available.
<b>pH value</b>	: Not applicable.
<b>Melting point [°C]</b>	: 150 °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>	: N/A
<b>Boiling point [°C]</b>	: N/A
<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>	: N/A
<b>Vapour pressure mm/Hg</b>	: N/A
<b>Vapour density</b>	: N/A
<b>Density [g/cm<sup>3</sup>]</b>	: N/A
<b>Relative density, gas (air=1)</b>	: N/A

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**9. Physical and chemical properties (continued)**

Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
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.

**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.
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**11. Toxicological information**
**11.1. Information on toxicological effects**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**11. Toxicological information (continued)**
**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 : Toxic if swallowed.

**Corrosion**

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

**Irritation**

 : Causes serious eye irritation.  
 Causes skin irritation.  
 May cause respiratory irritation.

**Sensitization**

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

**Mutagenicity**

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

**Carcinogenicity**

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

**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.

**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.

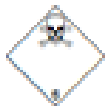


**MATERIAL SAFETY DATA SHEET (MSDS)**
**CUPFERRON AR**
**13. Disposal considerations**
**13.1. Waste treatment methods**

<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>UN N°</b>	: 2811
<b>H.I. nr</b>	: 60
<b>ADR - Class</b>	: 6.1
<b>Labelling - Transport</b>	: 6.1 : Toxic substances.



<b>ADR - Classification code</b>	: T2
<b>ADR - Group</b>	: III

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

<b>UN N°</b>	: 2811
<b>IMO-IMDG - Class or division</b>	: 6.1 : Toxic substances.
<b>IMO-IMDG - Packing group</b>	: III

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

<b>UN N°</b>	: 2811
<b>IATA - Class or division</b>	: 6.1 : Toxic substances.
<b>IATA - Packing group</b>	: III

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

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	: Ensure all national/local regulations are observed.
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**MATERIAL SAFETY DATA SHEET (MSDS)**

**CUPFERRON AR**

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.

**End of document**