



## Section 1 - Chemical Product and Company Identification

**Product Name** Cupric Sulphate Pentahydrate extrapure AR, 99.5%  
**Product Code** 61298  
**CAS No** 7758-99-8  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

| CAS#      | Chemical Name:               | %      | EINECS#   |
|-----------|------------------------------|--------|-----------|
| 7758-99-8 | Cupric Sulphate Pentahydrate | <=100% | 231-847-6 |

No components need to be disclosed according to the applicable regulations.

## Section 3 - Hazards Identification

### Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin.

## Section 4 - First Aid Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

### Notes to Physician:

## Section 5 - Fire Fighting Measures

### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Protective

**Equipment For Firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures



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**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Section 7 - Handling and Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Section 8 - Exposure Control / Personal Protection

### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Melting point:** 110°C

**Molecular Formula:**  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

**Molecular Weight:** 249.68

## Section 10 - Stability and Reactivity



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**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Acids, Oxidizing agents

**Hazardous decomposition**

**Products formed under fire**

**conditions.** - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Hydrogen cyanide (hydrocyanic acid)

## Section 11 - Toxicological Information

**Acute toxicity:** LD50Oral-Rat-482mg/kg  
LD50Dermal-Rat-> 2,000mg/kg

**Irritation and corrosion:** No data available

**Sensitisation:** No data available

**Chronic exposure:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## Signs And Symptoms

**Of Exposure:** Weakness, Convulsions

## Route Of Exposure

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Skin :** May causes skin irritation. May be fatal if absorbed through skin.

**Eyes:** Largely based on Human evidence

**Ingestion:** Largely based on Human evidence

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 - Transport Information

|                       | IATA                         | IMO  | RID/ADR |
|-----------------------|------------------------------|------|---------|
| <b>Shipping Name:</b> | Cupric Sulphate Pentahydrate |      |         |
| <b>Hazard Class:</b>  | 6.1                          | 6.1  | 6.1     |
| <b>UN Number:</b>     | 3288                         | 3288 | 3288    |
| <b>Packing Group:</b> | III                          | III  | III     |

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



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LABORATORIES  
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# Safety Data Sheet

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## **Section 16 - Other Information**

Sisco Research Laboratories Pvt. Ltd. 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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.