



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No. : C 14029  
Product Name : **CUPRIC CHLORIDE L.R.**

#### Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

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### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms : Copper monochloride  
CAS-No : 7758-89-6  
Ec-Index No. : 029-001-00-4  
Molar Mass : 98.99  
EC-No. : 231-842-9  
Molecular Formula : ClCu.

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**3. HAZARDS INDEX** : Harmful if swallowed.

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### 4. FIRST AID MEASURES

After inhalation : fresh air .

After skin contact : wash off with plenty of water . Remove contaminated clothing .

After eye contact : rinse out with plenty of water With eyelids held open . Summon eye specialist .

After swallowing : Induce vomiting , make victim drink plenty of water summon doctor.

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### 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood

Special risks : Development of hazardous combustion Gases or vapours possible in the event of fire. The following may develop in the event of fire Chlorine ,hydrochloric acid.

Other Information : Non-combustible .

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### 6. ACCIDENTAL RELEASE MEASURES

Person – related precautionary measures :

Avoid generation of dusts , do not inhale dusts .

Procedures for cleaning absorption : Take up dry.

Forward for disposal. Clean up affected area.

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### 7. HANDLING AND STORAGE

Handling : Sensitive to light. Atmospheric oxidation produces slight greenish discolouration. Caused by small divalent copper.

Storage : Tightly closed . Dry. Protected from light. storage temperature : No restrictions.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required

Industrial hygiene : Change contaminated clothing .

Wash hands and face after working with substance.

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### 9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	solid
Colour	:	white to grey.
Odour	:	odourless
pH value at 50gm/lt. H <sub>2</sub> O (20 <sup>0</sup> C)	:	~5 (slurry)
Melting temperature	:	422 <sup>0</sup> C
Boiling temperature	:	1366 <sup>0</sup> C
Ignition temperature	:	Not available
Flash point	:	Not available



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Explosion limits lower : Not available  
Upper : Not available  
Relative vapour density : Not available  
Density (20<sup>0</sup> C ) : 3.53 g/cm<sup>3</sup>  
Bulk density : ~1600 – 1800 kg/m<sup>3</sup>  
Solubility in water ( 25<sup>0</sup>C) : 0.06 gm/lt.

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating.

Substance to be avoided : alkali metals.

Hazardous decomposition products :

In the event of fire : Chlorine, hydrochloric acid.

Further information :sensitive to moisture, light sensitive.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD<sub>50</sub>(oral, rat) : 140 mg/kg :

Further toxicological information :

We have no description of any toxic symptoms.

Property which cannot be excluded by analogy :

After inhalation of dust : Irritation symptoms in the respiratory tract.

Coughing and dyspnoea.

After eye contact : Irritations.



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After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Nausea and vomiting. Changes in the blood picture.

Toxic effect on : liver

Further data : The product should be handled with the care usual when dealing with chemicals.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects :

Quantitative data on the ecological effect of this product are not available.

Biological effects : Toxic for aquatic organisms.

Further ecologic data : The following statements refer to individual components of the preparation :

The following applies to copper compounds : biological effects : toxic for aquatic organisms; copper ions toxic for fish, algae, protozoa, and bacteria at concentrations below 1 mg/lt. Fish : *C. auratus* toxic 0.01 mg/lt.; mussels : 0.55 mg/lt. Lethal in 12 h ; oysters : 0.1 mg/lt. Toxic.

Do not allow to enter waters, waste water or soil!

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful  
R- Phrases : 22 Harmful if swallowed  
S-phrases : 22 Do not breath dust.  
EC.No. : 231-842-9 EC label  
Water pollution class : 2 (polluting substance)

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### 16. OTHER INFORMATION

Reason for alteration

Change in transport classification.

Reason for change : See chapter 8

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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