

# MATERIAL SAFETY DATA SHEET

## General Information

Company's Name: The Chemistry Store.com Inc.  
Company's Address: 1133 Walter Price St Cayce, SC 29033  
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)  
Company's Info Ph #: 1-800-224-1430  
Date MSDS Prepared: 2/1/07

### PRODUCT NAME: Copper Sulfate

NFPA RATING: Health: 2 Flammability: 0 Reactivity: 0 HMIS Health: 2 Flammability: 0 Reactivity: 0

## Ingredients/Identity Information

Ingredient: COPPER SULFATE, CUPRIC SULFATE PENTAHYDRATE Percent: >99 NIOSH (RTECS) Number: GL8900000 CAS Number: 7758-99-8 ACGIH TLV: 1 MG/CUM (CU)

### Physical/Chemical Characteristics

Appearance And Odor: SOLID BLUE CRYSTALS/GRANULES; ODORLESS Melting Point: 1207.4F Specific Gravity: 2.28 Solubility In Water: >10% pH: 4

### Fire and Explosion Hazard Data

Extinguishing Media: USE METHODS FOR THE SURROUNDING FIRE. Special Fire Fighting Proc: WEAR FULL PROTECTIVE CLOTHING & SCBA. Unusual Fire And Expl Hazrds: MATERIAL WILL NOT BURN. COMBUSTION MAY PRODUCE IRRITATING COPPER FUMES & TOXIC GASEOUS OXIDES(SULFUR OXIDES).

### Reactivity Data

Stability: YES Cond To Avoid (Stability): HEAT Materials To Avoid: INCOMPATIBLE W/ACETYLENE, COPPER SALTS, ACETYLIDES, HYDROXYLAMINE, REDUCING AGENTS. Hazardous Decomp Products: SULFUR OXIDES Hazardous Poly Occur: NO

### Health Hazard Data

LD50-LC50 Mixture: ORAL LD50(RAT): 300 MG/KG Route Of Entry - Inhalation: YES Route Of Entry - Skin: NO Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: EYES: IRRITATION OF THE TISSUE. SKIN: MAY CAUSE MILD TO MODERATE IRRITATION. INGESTION: HARMFUL/FATAL, MAY CAUSE GI IRRITATION. INHALATION: IRRITATION OF THE NOSE & THROAT. ULCERATION OF THE NASAL SEPTUM. MAY CAUSE SENSITIZATION REACTIONS IN CERTAIN INDIVIDUALS. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: NONE Signs/Symptoms Of Overexp: IRRITATION, METALLIC TASTE, VOMITING. Med Cond Aggravated By Exp: WILSON'S DISEASE. Emergency/First Aid Proc: EYES: FLUSH W/WATER FOR 20 MINS. SKIN: FLUSH W/WATER FOR 20 MINS. INGESTION: IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER. INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES. OBTAIN MEDICAL ATTENTION IN ALL CASES.

### Precautions for Safe Handling and Use

Steps If Matl Released/Spill: STOP/REDUCE LEAK SAFELY. PREVENT MATERIAL FROM ENTERING SEWERS & WATERWAYS. PUT MATERIAL IN SUITABLE, COVERED, LABELLED CONTAINERS. KEEP UNNECESSARY PERSONNEL AWAY. CLOSE OFF AREA. WEAR ADEQUATE PERSONAL PROTECTIVE EQUIPMENT. VENTILATE AREA. Waste Disposal Method: DISPOSE BY SECURE LANDFILL MAY BE ACCEPTABLE, IAW/ FEDERAL, STATE & LOCAL REGULATIONS. UN/NA 3077. Precautions-Handling/Storing: KEEP CONTAINERS CLOSED & DRY. STORE IN A COOL, DRY PLACE. STORE IN A SUITABLE LABELED CONTAINER. Other Precautions: AVOID INHALATION OF DUSTS. USE IN DESIGNATED AREAS W/ ADEQUATE VENTILATION. PRODUCT IS TOXIC TO FISH & MARINE ORGANISMS WHEN APPLIED TO STREAMS, RIVERS, PONDS/LAKES FOR ALGAE CONTROL. DON'T CONTAMINATE WATER BY CLEANING EQUIPMENT/DISPOSAL.

### Control Measures

Respiratory Protection: USE GENERAL MECHANICAL VENTILATION. LOCAL EXHAUST IS SUGGESTED FOR USE, WHERE POSSIBLE, IN ENCLOSED/CONFINED SPACES. Ventilation: GENERAL/LOCAL EXHAUST TO MEET TLV REQUIREMENTS. Protective Gloves: IMPERVIOUS Eye Protection: SAFETY GLASSES W/SIDE SHIELDS Other Protective Equipment: CHEMICAL GOGGLES, COVERALLS, BOOTS, PROTECTIVE CLOTHING, SAFETY SHOWER & EYE WASH FOUNTAIN. Work Hygienic Practices: DECONTAMINATE CLOTHING, SHOES & LEATHER GOODS BEFORE REUSE/DISCARD THEM. USE PROPER HYGIENE PRACTICES WHEN HANDLING.