

CUPRIC SULFATE,PENTAHYDRATE

MSDS Number

BXGCH

National Stock Number

6810-00D003518

Product Name

CUPRIC SULFATE,PENTAHYDRATE

Manufacturer

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

Product Identification

Product ID:CUPRIC SULFATE,PENTAHYDRATE

MSDS Date:01/18/1995

FSC:6810

NIIN:00D003518

MSDS Number: BXGCH

Responsible Party

WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

ROCHESTER , NY 14692-9012

US

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Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

CUPRIC SULFATE PENTAHYDRATE

CAS: 7758-99-8

RTECS: GL8900000

Fraction By Weight: 100%

Hazards

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 300 MG/KG. (RTECS)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS. PRODUCT IS TOXIC & CORROSIVE. ACUTE- CAN CAUSE BURNS OF CORNEA & PAIN. CAN CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. INHALATION CAUSES UPPER RESPIRATORY TRACT IRRITATION. INGESTION CAN CAUSE COPPER POISONING AND/OR DEATH. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, NAUSEA, ALLERGIC SKIN REACTION,

BURNS, ABDOMINAL PAIN, DIARRHEA, VOMITING, HEMORRHAGIC GASTRITIS, SWELLING OF THE EYELIDS, ULCERATION

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

First Aid

First Aid: CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS, DRINK WATER & INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

Fire Fighting

Flash Point: NON-FLAMMABLE

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. MAY FORM HAZARDOUS DECOMPOSITION PRODUCTS. KEEP RUN-OFF OUT OF STREAM AND SEWERS

Accidental Release

Spill Release Procedures: SPRINKLE LIME OR SODA ASH ON SPILL TO FORM INSOLUBLE COPPER SALT. SWEEP UP AND PLACE IN A SUITABLE CONTAINER FOR LATER DISPOSAL. WASH SPILL AREA WITH WATER AFTER PICK UP IS COMPLETE.

Neutralizing Agent: SODA ASH OR LIME

Handling

Handling and Storage Precautions: STORE IN COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions: AVOID CREATING DUSTS. AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST. KEEP OUT OF REACH OF SMALL CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE.

Exposure Controls

Respiratory Protection: NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK. IN EMERGENCY, WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Ventilation: ADEQUATE

Protective Gloves: RUBBER, LATEX

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

Chemical Properties

HCC: T6

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: B.P. Text: 302F -5H₂O

Melt/Freeze Pt: M.P/F.P Text: 302F -5H₂O

Decomp Temp: Decomp Text: 1100F, 593C

Vapor Pres: NEGLIGIBLE

Vapor Density: 8.64

Spec Gravity: 2.284

Viscosity: NOT RELEVANT

Evaporation Rate & Reference: NOT RELEVANT

Solubility in Water: 24.3% @ 86F (30C)

Appearance and Odor: BLUE CRYSTALS OR FINE BLUE POWDER - NO ODOR

Stability

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: EXCESSIVE HEAT

Hazardous Decomposition Products: SULFUR DIOXIDE MAY BE FORMED.

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. MAY BE DISPOSED OF IN AN APPROVED LANDFILL OR CONTRACT WITH A LICENSED WASTE DISPOSAL SERVICE.

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