

FISHER SCIENTIFIC CO, CHEMICAL MFG DIV. -- CUPRIC SULFATE, ANHYDROUS --  
6810-00-270-3224

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===== Product Identification =====

Product ID: CUPRIC SULFATE, ANHYDROUS

MSDS Date: 12/04/1990

FSC: 6810

NIIN: 00-270-3224

MSDS Number: BMCBZ

==== Responsible Party ====

Company Name: FISHER SCIENTIFIC CO, CHEMICAL MFG DIV.

Address: 1 REAGENT LANE

City: FAIR LAWN

State: NJ

ZIP: 07410-2802

Country: US

Info Phone Num: 201-796-

7100

Emergency Phone Num: 201-796-7100 (800-424-9300 CHEMTREC)

CAGE: 1B464

==== Contractor Identification ====

Company Name: FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address: 1 REAGENT LANE

Box: City: FAIRLAWN

State: NJ

ZIP: 07410-2802

Country: US

Phone: 201-796-7100

CAGE: 1B464

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===== Composition/Information on Ingredients =====

Ingred Name: CUPRIC SULFATE, ANHYDROUS, (SARA III)

CAS: 7758-98-7

RTECS #: GL8800000

Fraction by Wt: >97%

Other REC Limits: NONE SPECIFIED

OSHA PEL: 1 MG CU/M3, DUST/MIST

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CGIH TLV:1 MG CU/M3,DUST/MIST

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50=300MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: CONTACT MAY CAUSE IRRITATION OF EYES AND SKIN. INHALATION OF DUST MAY IRRITATE THE UPPER RESPIRATORY TRACT. INGESTION MAY CAUSE VOMITING, DIARRHEA AND PAIN. CH

CHRONIC: OVEREXPOSURE MAY CAUSE DERM ITITUS, DISCOLORATION OF THE CORNEA, NASAL ULCERATION, LIVER AND KIDNEY DAMAGE WITH SEVERE ANEMIA AND DEATH.

Effects of Overexposure:EYES: IRRITATION AND DISCOLORATION OF THE CORNEA. INHALATION: IRRITATION OF UPPER RESPIRATORY TRACT AND SEVERE CONGESTION OF THE NASAL MUCOSA AND ULCERATION. SKIN: IRRITATION, ECZEMATOID LESION AND BLUE DISCOLORATION OF THE GUMS AND TONGUE.INGESTION: NAUSEA, VOMITING, GASTRIC PAIN, DIARRHEA WITH BLOODY

STOOLS

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF CHRONIC RESPIRATORY OR SKIN DISEASE OR WILSON'S DISEASE ARE AT INCREASED RISK FROM EXPOSURE TO THIS PRODUCT.

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH LARGE AMOUNT OF WATER OR NORMAL SALINE SOLUTION. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE PATIENT TO FRESH AIR. G

IVE CPR IF NOT BREATHING.

TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION. INGESTION: HAVE PATIENT DRINK LARGE AMOUNTS OF WATER OR MILK AND INDUCE VOMITING. GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, WATER FOG OR REGULAR FOAM.

Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF YOU CAN WIT

HOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR DISPOSAL.

Unusual Fire/Explosion Hazard:DECOMPOSES AT 1202F. NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE CLEAN CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY. REPORTABLE

QUANTITY (RQ) IS 10 POUNDS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL DRY, VENTILATED AREA AWAY FROM OXIDIZERS, EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

Other Precautions:AVOID RAISING DUST. AVOID BREATHING DUST. AVOID CONTACT WITH EYES AND SKIN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:DEPENDING ON THE DUST CONCENTRATION, WEAR A

NIOSH/MSHA APPROVED MASK OR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

Ventilation:PROVIDE ADEQUATE LOCAL EXHAUST OR PROCESS ENCLOSED VENTILATION THAT MEETS PUBLISHED EXPOSURE LIMITS.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:SPLASH PROOF OR DUST-RESISTANT GOGGLES

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE (IMPERVIOUS) CLOTHING. HAVE EYE WASH STATION AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices:WASH

AFTER HANDLING AND BEFORE EATING, DRINKING

OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NOTE TO THE PHYSICIAN: GIVE CALCIUM DISODIUM EDETATE 15-25 MG/KG IN

250-500 ML OF 5% DEXTROSE IV OVER A 1 TO 2 HOUR PERIOD TWICE DAILY,

NOT TO EXCEED 50 MG/KG/DAY. THE DRUG SHOULD BE GIVEN IN 5-DAY C

COURSES WITH A REST PERIOD OF 2 DAYS BETWEEN COURSES. SUBSEQUENT

COURSES SHOULD NOT EXCEED 50 MG/KG/DAY.

===== Physical/Chemical Proper

ties =====

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:392F,200C

Decomp Temp:Decomp Text:1202F,650C

Spec Gravity:3.6

Solubility in Water:14.3% @ 32F

Appearance and Odor:GRAYISH-WHITE TO GREENISH-WHITE RHOMBIC CRYSTALS.  
ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

HYDROXYLAMINE, MAGNESIUM, AND SODIUM HYPOBROMITE.

Stability Condition to Avoid:MAY BURN BUT DOES NOT IGNITE READILY.

AVOID CONTACT WITH STRONG OXIDIZERS, EXCESSIVE HEAT, SPARKS, OR  
OPEN FLAME.

Hazardous Decomposition Products:TOXIC OXIDES OF SULFUR.

===== Disposal Considerations =====

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS. IF RELEASE OF THIS MATERIAL IS REPORTABLE UNDER CERCLA  
SECTION 103, THE NATIONAL RES PONSE CENTER MUST BE NOTIFIED AT  
800-424-8802.

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