View NSN Online: https://aerobasegroup.ae/nsn/5310-00-596-6605

FISHER SCIENTIFIC -- C495, CUPRIC SULFATE -- 6810-00-596-6605

Product ID:C495, CUPRIC SULFATE

MSDS Date:12/04/1990

FSC:6810

NIIN:00-596-6605

MSDS Number: BNVYX === Responsible Party ===

Company Name: FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ ZIP:07410 Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100;800-424-9300(CHEMTR

EC)

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

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

Ingred Name: CUPRIC SULFATE (SARA III). EXPOSURE LIMITS LISTED FOR CU.

CAS:7758-98-7

RTECS #:GL8800000 Fraction by Wt: >97%

OSHA PEL:1MG/M3 DUST;0.1 FUME ACGIH TLV:1MG/M3 DUST;0.2 FUME

EPA Rpt Qty:10 LBS DOT Rpt Qty:10 LB

Ingred Name:SUPP DATA: HAS BEEN REPORTED. EYE: ACUTE - MAY CAUSE CONJUNCT, CORNEAL ULCERATION/TURBIDITY AND PALPEBRAL EDEMA. (ING 3) RTECS #:9999992Z

Ingred Name:ING 2: CHRONIC - RPTD/PRLNG USE OF SOLID COPPER SULFATE FOR TREATMENT OF TRACHOMA PRDCED INFLAMM & PURULENT RXN, (ING 4) RTECS #:9999999ZZ

Ingred Name:ING 3: AND DISCOLORATION OF CORNEA. WHEN A PARTICLE OF COPPER SULFATE WAS LEFT ACCIDENTALLY IN CONJUCTIVAL SAC, (ING 5) RTECS #:9999992Z

Ingred Name:ING 4: IT CAUSED M
ORE SEVERE LOCAL INFLAMM & NECROSIS,
CORNEAL OPACITY & SYMBLEPHARON. INGEST: ACUTE - MAY CAUSE (ING 6)
RTECS #:9999992Z

Ingred Name:ING 5: SALIVATION/NAUS/VOMIT/GASTRIC PAIN/LOC CORR/HEMORR/BLUE DISCOLORATION OF GUMS & TONGUE/HEMOLYTIC ANEMIA/ (ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6: HEMORRHAGIC GASTRITIS/COLIC & DIARR W/BLOODY STOOLS. LIVER/KIDNEY DMG W/SEV ANEMIA MAY OCCUR W/POSSIBLE (ING 8) RTECS #:9999992Z

Ingred Name:ING 7: SOMNOLENCE & COMA. DEATH MAY OCCUR FROM CIRCULATORY

FAILURE. MINIMAL LETHAL ORAL DOSE FOR ADULT APPEARS (ING 9) RTECS #:9999992Z

Ingred Name:ING 8: TO BE 10 GRAMS. CHRONIC - CHRONIC HUMAN POISON HAS ONLY BEEN REPORTED IN INDIVIDUALS W/WILSON'S DISEASE. (ING 10) RTECS #:9999999ZZ

Ingred Name:ING 9: THIS DISEASE IS RARE GENETIC CNDTN IN WHICH THERE MAY BE ABNORMALLY HIGH ABSORPTION, RETENTION & STORAGE (ING 11) RTECS #:9999999ZZ

Ingred Name: ING 10: OF COPPER BY THE BODY. THIS ACCUM HAS BEEN NOTED TO PRECEDE THE DEVEL O

F LIVER PATHOLOGY, WHICH MAY (ING 12) RTECS #:9999999ZZ

Ingred Name: ING 11: ULTIMATELY PROVE FATAL. RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: AND LOWER LIDS, UNTIL NO EVIDENCE OF CHEMICAL REMAINS (APPROX 15-20 MIN). GET MED ATTN IMMED. (ING 14) RTECS #:9999992Z

Ingred Name:ING 13: INGEST: DILUTE THE POISON IMMED W/LG AMTS OF WATER/MILK & REMOVE BY GASTRIC LAVAGE UNLESS THE VICTIM IS (ING 15) RTECS #:9999992Z

Ingred Name: ING 14: ALREADY VOMIT. GET MED ATTN IMMED. ADMIN OF GASTRI C.

LAVAGE SHLD BE PERFORMED BY QUALIFIED MED PERS. (ING 16) RTECS #:9999992Z

Ingred Name:ING 15: ANTIDOTE: THE DECISION AS TO WHETHER THE SEVERITY OF POISONING REQ ADMIN OF ANY ANTIDOTE & ACTUAL DOSE (ING 17) RTECS #:9999992Z

Ingred Name:ING 16: SHLD BE MADE BY QUALIFIED MED PERS. GIVE CALCIUM DISODIUM EDETATE 15-25MG/KG (0.08-0.125 ML OF 20% SOLN (ING 18) RTECS #:9999999ZZ

Ingred Name:ING 17: PER KG BODY WT) IN 250-500ML OF 5% DEXTROSE INTRAVENOUSLY OVER A 1-2 HR PERIOD TWIC E DAILY. THE MAX DOSE(ING 19)

RTECS #:9999999ZZ

Ingred Name:ING 18: SHLD NOT EXCEED 50MG/KG/DAY. DRUG SHLD BE GIVEN IN 5-DAY COURSES W/REST PERIOD OF AT LST 2 DAYS BETWEEN (ING 20) RTECS #:9999999ZZ

Ingred Name:ING 19: AFTER FIRST COURSE, SUBSEQUENT COURSES SHLD NOT EXCEED 50MG/KG/DAY. DAILY URINALYSES SHLD NOT BE DONE (ING 21) RTECS #:9999999ZZ

Ingred Name:ING 20: DURING TREATMENT PERIOD. DOSAGE SHLD BE REDUCED IF ANY UNUSUAL URINARY FINDING APPEAR. INTRAVENOUS ADMIN(ING 22)

Ingred Name:ING 21: IS CONTRAINDICATED IN PRESENCE OF ELEVATED CEREBROSPINAL FLUID PRESS. PENICILLAMINE IS ALSO EFTIVE IN (ING 23) RTECS #:9999992Z

Ingred Name:ING 22: COPPER POISONING. GIVE UP TO 100 MG/KG/DAY (MAX 1 G/DAY) DIVIDED INTO 4 DOSES FOR NO LONGER THAN 1 WK. (ING 24) RTECS #:9999997Z

Ingred Name:ING 23: IF LONGER ADMIN PERIOD IS WARRANTED, DOSAGE SHLD NOT EXCEED 40 MG/KG/DAY. GIVE THE DRUG ORALLY, HALF AN (ING 25) RTECS #:9999999ZZ

Ingred Name:ING 24: HOUR BEFORE MEALS. RTECS #:9999992Z

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

LD50 LC50 Mixture:LD50: (ORAL, RAT) 300 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL: ACUTE - MAY CAUSE IRRIT OF UPPER RESP TRACT. WORKERS EXPOS TO COPPER SALTS IN DUST FORM COMPLAINED OF METALLIC TASTE W/IRRIT OF NASAL/ORAL MUCOSA. CHRONIC - RPTD/PRLNG EXPOS MAY PR

DCE SEV CONGE STION OF NASAL MUCOSA

W/RHINITIS & POSSSLOUGHING/ULCERATION. SKIN CONT: ACUTE - MAY CAUSE ITCHING, (EFTS OF OVEREXP)

Explanation of Carcinogenicity: NOT RELEVANT

Effects of Overexposure:HLTH HAZ: PAPULOVESICULAR & ECZEMATOID LESION. CHRONIC - RPTD/PRLNG EXPOS MAY CAUSE SOME DEGREE OF NECROSIS. ALLERGIC CONT DERMAT HAS BEEN REPORTED. RPTD APPLICATIONS TO EXTENSIVE AREAS OF BURNED SKIN MAY CAUSE BLUE DISCOLORATION OF GUMS &TONGUE/HEMOLYTIC ANEMIA/HEMORRHAGIC G

ASTRITIS/ COLIC & DIARR W/BLOODY(SUPP DATA)

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF CHRONIC RESPIRATORY OR SKIN DISEASE OR WILSON'S DISEASE.

First Aid:INHAL: MOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, PERFORM ARTF RESP. KEEP WARM/AT REST. TREAT SYMPTOMATICALLY/SUPPORTIVELY. GET MED ATTN IMMED. SKIN: REMOVE CONTAMD CLTHG/SHOES IMMED. WASH AFFECTED AR EA W/SOAP OR MILD DETERGENT & LG AM

TS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS (APPROX 15-20 MIN). GET MED ATTN IMMED. EYES: WASH IMMED W/LG AMTS OF WATER OR NORM SALINE, OCCAS LIFTING UPPER(ING 13) Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM. Fire Fighting Procedures: USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. MOVE CONTR FROM FIRE AREA IF YOU CAN DO IT W/O RISK. DO NOT SCATTER SPILLED MATL W/HIGH-PRESS (SUPP DATA) Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. ======== Accidental Release Measures ============= Spill Release Procedures: SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH MATERIAL INTO SEWER. KEEP UNNECESSARY PEOPLE AWAY. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER ====== Handl Handling and Storage Precautions: NONE SPECIFIED BY MANUFACTURER

ing and Storage ===========

Other Precautions: AVOID BREATHING VAPORS OR DUSTS.

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

Respiratory Protection: THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR & BE JOINTLY APPROVED BY NIOSH/MSHA. FOR ADDITIONAL INFORMATION, CONTACT NEHC.

Ventilation:PROVIDE L

OCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES.

Other Protective Equipment: APPROP PROT CLTHG/EQUIP TO PVNT RPTD/PRLNG SKIN CONT. EYE WASH FOUNTAIN WITHIN IMMEDIATE WORK AREA FOR EMERGENCY USE.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER

Supplemental Safety and Health

BP: 1202F(650C) DECOMPOSES. MP: 392F(200C) SLIGHT DECOMPOSITION. FIRE FIGHT PROC: WATER STRE

AM. DIKE FIRE-CTL WATER FOR LATER DISPOS.

EFTS OF OVEREXP: STOOLS. IN SEV CASES, LIVER/KIDNEY DMG W/SEV ANEM
IA MAY OCCUR W/SOMNOLENCE & COMA. DEATHMAY OCCUR FROM CIRCULATORY
FAILURE. GREENISH DISCOLORATION OF SKIN/HAIR (ING 2)

======== Physical/Chemical Properties ===========

Boiling Pt:B.P. Text:SUPP DATA

Melt/Freeze Pt:M.P/F.P Text:SUPP DATA

Spec Gravity:3.6

Solubility in Water:14.3% @ 0C

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

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG OXIDIZERS. INCOMPATIBLE WITH HYDROXYLAMINE, MAGNESIUM, SODIUM HYPOBROMITE.

Stability Condition to Avoid:MAY BURN BUT DOES NOT IGNITE REAIDLY. AVOID EXCESSIVE HEAT, SPARKS, OR OPEN FLAME.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE TOXIC SO\*X.

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

Waste Disposal Met

hods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS . REPORTABLE QTY: 10 POUNDS.

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