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SPECTRUM CHEMICAL MFG CORP -- FERROUS SULFATE HEPTAHYDRATE -- 6810-00-300-5157

Product ID:FERROUS SULFATE HEPTAHYDRATE

MSDS Date:10/13/1989

FSC:6810

NIIN:00-300-5157

MSDS Number: BMGPQ === Responsible Party ===

Company Name: SPECTRUM CHEMICAL MFG CORP

Address:14422 S SAN PEDRO ST

City: GARDENA

State:CA

ZIP:90248-2027 Country:US

Info Phone Num:213-516-8000

Emergency

Phone Num:213-516-8000

CAGE:63415

=== Contractor Identification ===

Company Name: SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027 Country:US

Phone:310-516-8000/FAX: 310-516-9843

CAGE:63415

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

Ingred Name: IRON (II) SULFATE (1:1), HEPTAHYDRATE; (FERROUS SULFATE,

HEPTAHYDRATE)

CAS:7782-63-0

RTECS #:NO8510000 Fraction by Wt: 100%

OSHA PEL:1MG/M3IRON SALTS(FE)

ACGIH TLV:1MG/M

3IRON SALTS(FE) EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:SUPP DATA: HYPOTONIA & HYPERGLYCEMIA. IF POISONING IS NOT IMMED FATAL, PATIENT MAY BE ASYMPTOMATIC FOR 24 HOURS, (ING 3) RTECS #:9999992Z

Ingred Name:ING 2: AFTER WHICH SYMP MAY RETURN W/CYANOSIS, CONVULSIONS, CIRCULATORY COLLAPSE, MASSIVE HEPATIC FAILURE W/ (ING 4) RTECS #:9999992Z

Ingred Name:ING 3: JAUNDICE, SEV BLEEDING W/ALTERED CLOTTING & BLEEDING PARAMETERS, SEV RENAL IMPAIRMENT/FAILURE, DIFFUSE (ING 5)

RTECS #:9999999ZZ

Ingred Name:ING 4: VASCULAR CONGESTION, PULM EDEMA & PULM HEMMORHAGE, ACIDOSIS, ANURIA, HYPERTHERMIA, COMA & DEATH W/IN 24-48(ING 6) RTECS #:9999992Z

Ingred Name:ING 5: HOURS. DEATH IS ALWAYS PRECEDED BY SHOCK. IF VICTIM SURVIVES, LATE COMPLICATIONS DUE TO PYLORIC, ANTRAL/ (ING 7) RTECS #:9999992Z

Ingred Name:ING 6: INTESTINAL OBSTRUCTION, HEPATIC CIRRHOSIS W/FINE DIFFUSE FIBROTIC CHANGES W/FATTY DEGENERATION & CENTRAL (ING 8) RTECS #:9999999ZZ

Ingred Name:IN

G 7: NERVOUS DMG MAY OCCUR 2-5 WEEKS AFTER INGEST.
DEGENERATIVE CHANGES OF PANCREAS, LYMPH NODES, & HEART ARE (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: ALSO POSS. AVERAGE HUMAN LETHAL DOSE OF IRON IS ABOUT 200 TO 250 MG PER KG OF BODY WEIGHT.

RTECS #:9999992Z

Ingred Name:FIRST AID PROC: UPPER & LOWER LIDS, UNTIL NO EVIDENCE OF CHEM REMAINS (AT LEAST 15-20 MIN). CONT IRRIGATING W/ (ING 11) RTECS #:9999992Z

Ingred Name: ING 10: NORMAL SALINE UNTIL PH HAS RETURNED TO NORMAL (

- 30-60 MIN). COVER W/STERILE BANDAGES. GET MED ATTN IMMED.(ING 12) RTECS #:9999999ZZ
- Ingred Name:ING 11: INGEST: IN PATIENTS NOT IN SHOCK/COMA, INDUCE EMESIS W/SYRUP OF IPECAC IF VOMIT HAS NOT OCCURED. FOLLOW (ING 13) RTECS #:9999999ZZ
- Ingred Name:ING 12: W/GASTRIC LAVAGE USING DEFEROXAMINE, 2 GRAMS IN 1 LITER OF H*2O CONTAINING SODIUM BICARBONATE, 20 GM/L. (ING 14) RTECS #:9999992Z
- Ingred Name:ING 13:LEAVE 10 GRAMS OF DEFEROXAMINE IN 50 ML OF 5% SODIUM BICARBONATE IN STOMACH. MAI NTAIN AIRWAY, BLOOD PRESS(ING 15) RTECS #:9999999ZZ
- Ingred Name:ING 14: & RESP. TREAT SYMP & SUPPORTIVELY. (DREISBACH, HANDBOOK OF POISONING, 11TH ED.) GET MED ATTN IMMED. (ING 16) RTECS #:9999992Z
- Ingred Name:ING 15: TREATMENT SHD BE ADMIN BY QUALIFIED MED PERSONNEL. ANTIDOTE: FOLLOWING ANTIDOTE HAS BEEN RECOM. HOWEVER,(ING 17) RTECS #:9999999ZZ
- Ingred Name:ING 16: DECISION AS TO WHETHER SEV OF POISONING REQS ADMIN OF ANY ANTIDOTE & ACTUAL DOSE REQD SHD BE MADE BY (ING 18) RTECS #:9999999ZZ
- Ingred Name:ING 17: QUALIFIED MED PERSONNEL. IRON SALT POISONING: GIVE DEFEROXAMINE, 15 MG/KG/HOUR BY CONT IV INFUSION TO (ING 19) RTECS #:9999999ZZ
- Ingred Name:ING 18: MAX OF 80 MG/KG IN EACH 12-HOUR PERIOD. MONITOR BLOOD PRESS DURING ADMIN OF DEFEROXAMINE & REDUCE RATE (ING 20) RTECS #:9999999ZZ
- Ingred Name:ING 19: OF ADMIN IF BLOOD PRESS FALLS. SINGLE DOSES SHD NOT EXCEED 1 GRAM & MAX IN 24 HOURS SHD NOT EXCEED 6 (ING 21) RTECS #:9999999ZZ

Ingred Name: ING 20: GRAMS

.DEFEROXAMINE IS HAZ IN PATIENTS W/SEV RENAL DISEASE/ANURIA, & DIALYSIS IS NEC.INJECTED DEFEROXAMINE(ING 22) RTECS #:9999992Z

Ingred Name:ING 23: IS ASSOCIATED W/HIGH RISK & SHD BE RESERVED FOR SERIOUS POISONING. CONT DEFEROXAMINE THERAPY UNTIL (ING 23) RTECS #:9999992Z

Ingred Name:ING 22: PATIENT IS FREE OF SYMP & SIGNS FOR 24 HOURS (DREISBACH, HANDBOOK OF POISONING, 11TH ED.). ANTIDOTE SHD (ING 24) RTECS #:9999999ZZ

Ingred Name: ING 23: BE ADMINISTERED BY QUALIFIED MEDICAL PERS ONNEL.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50: (ORAL,RAT) 319 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:ACUTE: MAY CAUSE IRRIT OF RESP TRACT. SKIN: MAY CAUSE IRRIT. EYE: CONT W/EYE MAY CAUSE SEV IRRIT & CORR ACTION DUE TO ACIDITY OF SOLN. INGEST: SIDE EFTS OF INGEST OF IRON SALTS MAY INCL HEARTBURN, MET AL

LIC TASTE IN MOUTH, NAUS, UPPER

GASTRIC DISCOMFORT,& CONSTIPATION/DIARRHEA. CHRONIC:SKIN: DERM. EYES:(EFTS OF OVEREXP)

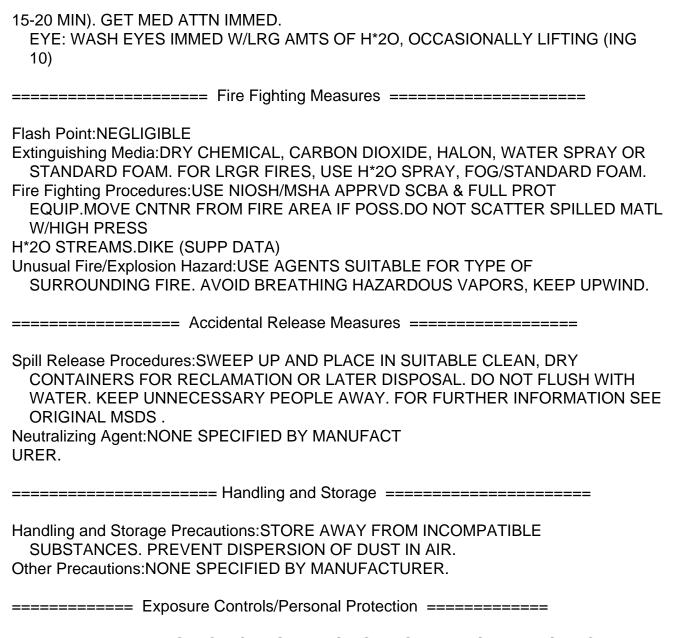
Explanation of Carcinogenicity: NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: CONJ. INGEST: REPROD EFTS IN LAB ANIMALS. SYMP OF SEV POIS MAY OCCUR W/IN 30 MIN/BE DELAYED FOR SEVERAL HOURS. SEV HEMORRHAGIC GASTRITIS W/ABDOMINAL PAIN, RETCHING, VIOLENT DIARR & VOMIT MAY OCCUR. VOMIT MAY BE BLOODY. DEHYDRATION MAY BECOME INTENSE. CIRCULATORY SYS MAY BE AFF ECTED

W/SYMP OF SHOCK, (SUPP DATA)

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:INHAL: REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG HAS STOPPED, PERFORM ARTF RESP. KEEP WARM & AT REST. TREAT SYMP & SUPPORTIVELY. GET MED ATTN IMMED. SKIN: REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LRG AMTS OF H*2O UNTIL NO EVIDENCE OF CHEM REMAINS (



Respiratory Protection: SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING LIMITS OF RESPIRATOR. USE NIOSH/MSHA APPROVED RE SPIRATOR

APPROPRIATE FOR EXPOSURE OF CON CERN.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEM WORK GOG & FULL LGTH FACESHLD

Other Protective Equipment:APPROP PROT (IMPERVIOUS) CLTHG & EQUIP. EYE WASH FOUNTAIN AND QUICK DRENCH SHOWER W/IN IMMED WORK AREA FOR EMER USE.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH:3.7 @ 10% SO

LN. FIRE FIGHT PROC: FIRE CNTRL H*20 FOR LATER DISP.
EFTS OF OVEREXP: PALLOR, CYANOSIS & COLDNESS, RAPID
WEAK/IMPERCEPTIBLE PULSE, SEV HYPOTENSION &PULM CHANGES W/DYSPNEA,
FOCAL ATELECT ASIS & EMPHYSEMIA MAY OCCUR.OTHER SYMP MAY INCL
HEMOCONCENTRATION, TACHYCARDIA, LETHARGY, DROW, MENTAL
CONFUSION,(ING 2)

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

Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES

Spec Gravity:1.898

pH:SUPDAT

Solubility in Water:15.65@ @ 20C

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ppearance and Odor:ODORLESS, HYGROSCOPIC, BLUE-GREEN, MONOCLINIC CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES

ALKALIES, ARSENIC TRIOXIDE, SODIUM NITRATE, METHYL ISOCYANOACETATE, OXIDIZERS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposition Products: TOXIC OXIDES OF SULFUR.

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

Waste Disposal Methods:OBSERVE ALL FE
DERAL, STATE AND LOCAL REGULATIONS
WHEN STORING OR DISPOSING OF SUBSTANCE. FOR ASSISTANCE, CONTACT
DISTRICT DIRECTOR OF ENVIRONMENTAL PROTECTION AGENCY.

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