View NSN Online: https://aerobasegroup.com/nsn/6810-00-955-9249

Product ID:FERRIC OXIDE RED, I-116 MSDS Date:10/13/1989 FSC:6810 NIIN:00-955-9249 **MSDS Number: BKSVN** === Responsible Party === **Company Name: FISHER SCIENTIFIC** Address:1 REAGENT LANE City:FAIR LAWN State:NJ ZIP:07410 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

Ingred Name:IRON OXIDE CAS:1309-37-1 RTECS #:NO7400000 Fraction by Wt: 100% OSHA PEL:10 MG/M3 (FE) ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:EFTS OF OVEREXP: MALAISE, FEVER, CHILLS, MUSCULAR PAIN, MILD TO SEV HDCH, NAUS EA, OCCASIONAL VOMIT, (SEE INGRED 3) RTECS #:99999992Z

Ingred Name:INGRED 2: EXAGGERATED MENTAL ACTIVITY, PROFUSE SWEAT, EXCESSIVE URINATION, DIARRHEA & PROSTATION MAY (SEE INGRED 4) RTECS #:9999999ZZ

Ingred Name:INGRED 3: ALSO OCCUR. TOLERANCE TO FUMES DEVELOPS RAPIDLY, BUT IS QUICKLY LOST. ALL SYMP USUALLY SUBSIDE (SEE INGRED 5) RTECS #:9999999ZZ

Ingred Name:INGRED 4: W/IN 24-36 HOURS. CHRONIC EXP: RPTD/PRLNG EXP, USUALLY > 10 YEARS, TO IRON OXIDE DUST/FUME MAY (SEE INGRED 6) RT ECS #:9999999ZZ

Ingred Name:INGRED 5: CAUSE A BENIGN PNEUMOCONIOSIS CALLED SIDEROSIS. THE EXP PERSON DOES NOT BECOME ILL, BUT THE (SEE INGRED 7) RTECS #:9999992Z

Ingred Name:INGRED 6: BENIGN PNEUMOCONIOSIS MAY CAUSE X-RAY SHADOWS THAT CAN BE INDISTINGUISHABLE FROM FIBROTIC (SEE INGRED 8) RTECS #:9999999ZZ

Ingred Name:INGRED 9: PNEUMOCONIOSIS. SKIN CONTACT: MAY BE IRRIT. SKIN/EYE/INGEST CHRONIC: NO DATA AVAIL. EYE:(ACUTE) (SEE INGRED 9) RTECS #:9999999ZZ

Ingred Name: INGRED 8: NO

SPECIFIC DATA AVAIL. PARTICLES OF IRON/IRON CMPDS WHICH BECOME IMBEDDED IN EYE MAY CAUSE (SEE INGRE 10) RTECS #:9999999ZZ

Ingred Name:INGRED 9: SIDEROSIS, W/VARIED EFTS, SOME PARTICLES MAY CAUSE NO SIGNIFICANT TOXIC EFTS, EVEN OVER MANY (SEE INGRED 11) RTECS #:9999999ZZ

Ingred Name:INGRED 12: YEARS. DISCOLORING OF IRIS TO YELLOWISH GREEN/BROWN IS EARLIEST & MOST COMMON SIGN OF (SEE INGRED 12) RTECS #:9999999ZZ

Ingred Name: INGRED 11: SIDEROSIS. THE ACTIVITY OF PUPIL IS COMMONLY

AFFECTED, & IF THE PARTICLE HAS ENTERED LENS, (SEE INGRED 13) RTECS #:99999992Z

Ingred Name:INGRED 12: IT GENERALLY BECOMES CATARACTOUS. IN SOME CASES THERE MAY BE SEV INJ TO RETINA & IT MAY (SEE INGRED 14) RTECS #:9999999ZZ

Ingred Name:INGRED 13: EVENTUALLY BE DETACHED/DESTROYED. THERE MAY BE A GRADUALLY DECREASING CENTRAL VISUAL ACUITY, (SEE INGRED 15) RTECS #:9999999ZZ

Ingred Name:INGRED 14: ENDING ULTIMATELY IN BLINDNESS, GLAUCOMA MAY RARELY BE A COMPLICATION. RTECS #:9999999 ZZ

Ingred Name:FIRST AID PROC: LRG AMOUNTS OF H2*O/NORMAL SALINE, OCCASIONALLY LIFTING UPPER & LOWER LIDS, UNTIL NO (SEE INGRED 17) RTECS #:9999999ZZ

Ingred Name:INGRED 16: EVIDENCE OF CHEM REMAINS (15-20 MIN). GET MED ATTN IMMED. INGEST: TREAT SYMPTOMATICALLY & (SEE INGRED 18) RTECS #:9999999ZZ

Ingred Name:INGRED 17: SUPPORTIVELY. GET MED ATTN IMMED. IF VOMIT OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION. RTECS #:9999999ZZ

Ingred Name:RESP PROT: OPERATED IN CONTINUOUS -FLOW MODE. SCBA W/FULL

FACEPIECE OPERATED IN PRESS-DEMAND/OTHER POS (SEE INGRED 20) RTECS #:9999999ZZ

Ingred Name:INGRED 19: PRESS MODE. FOR FIREFIGHTING & OTHER IMMED DANGEROUS TO LIFE/HLTH CONDITIONS: SCBA W/FULL (SEE INGRED 21) RTECS #:9999992Z

Ingred Name:INGRED 20: FACEPIECE OPERATED IN PRESS DEMAND/OTHER POS PRESS MODE. SUPPLIED-AIR RESP W/FULL FACEPIECE (SEE INGRED 22) RTECS #:9999992Z

Ingred Name: INGRED 21: & OPERATED IN PRESS-DEMAND OR OTHER POS PRESS MODE IN COMBI NATION W/AUXILIARY SCBA OPERATED (SEE INGRED 23) RTECS #:99999992Z

Ingred Name:INGRED 22: IN PRESS-DEMAND OR OTHER POSITIVE PRESSURE MODE. RTECS #:9999999ZZ

LD50 LC50 Mixture:LD50:(ORAL,RAT) 5400 MG/KG Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: UNDERGROUND MINERS EXP TO FERRIC OXIDE **RED & HEMATITE HAVE A HIGH INCIDENCE OF LU** NG CANCER. THE RISK IS MANIFEST IN UNDERGROUND WORKERS, BUT NOT SURFACE WORKERS, & IT'S NOT KNOWN WHETHER EXCESS RISK I S DUE TO RADIOACTIVITY IN AIR OF MINES, INHAL OF FERRIC OXIDE/SILICA, OR TO COMBINATION OF THESE (SEE EFTS OF OVEREXP) Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER. Effects of Overexposure: HLTH HAZ: OR OTHER FACTORS. THERE IS NO EVIDENCE THAT IRON ORE DUST OR FERRIC OXIDE INFLUENCES INCIDENCE OF CANCERS AT SITES OTHER THAN LUNGS. INHAL: A CUTE: METAL FUME FEVER, AN INFLUENZA-LIKE ILLNESS, MAY OCCUR DUE TO INHAL OF FRESHLY FORMED IRON OXIDE FUME WHICH IS COMPOSED OF PARTICLES SIZED BELOW (SEE SUPP DATA) Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:INHAL: REMOVE FROM EXP AREA TO FRESH AIR IMMED. IF BRTHG HAS STOPPED, PERFORM ARTF RESP. KEEP PERSON WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED

ATTN IMMED. SKIN: REMOVE CONTAMINATED CLOTHING & SHOES IMMED. WASH AFFECTED AREA W/SOAP OR MILD DETERGENT & LRG AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEM REMAINS (15-20 MIN). GET MED ATTN IMMED. EYES: WASH EYES IMMED W/ (SEE ING 16)

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR ALCOHOL FOAM. Fire Fighting Procedures:WEAR NIOSH/MSHA APPRO VED SCBA & FULL PROTECTIVE EQUIPMENT . MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING VAPORS OR DUST; KEEP UPWIND. Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH WITH WATER. KEEP UNNECESSARY PEOPLE AWAY. Neutralizing Agent:NONE SPECIFI ED BY MANUFACTURER.

Handling and Storage Precautions:OBSERVE ALL FED, STATE AND LOCAL REGS WHEN STORING THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROT AGENCY. Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Respiratory Protection: THE FOLLOWING NIOSH/MSHA APPRVD RESP MUST BE BASED ON CONTAM LEVS FOUND IN

WORK PLACE: NIOSH/MSHA APPRVD TYPE

'C' SUPP-AIR RESP W/FULL FACEPIECE OPERATED IN PRESS DEMAND/OTHER POSITIVE MODE OR W/FULL FACEPIECE, HELMET/HOOD (SEE INGRED 19) Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: CHEMICAL WORKERS GOGGLES .

Other Protective Equipment: EMPLOYEE MUST WEAR NIOSH/MSHA APPRVD PROT (IMPERVIOUS) CLOTHING & EQUIP TO PREVENT RPTD/PRLNG SKIN CONTACT

W/SUBSTANCE.

Work Hygienic Practices: EYEWASH FOUNTAIN SHOULD BE PROVIDED IN IMMEDIATE WORK AREA FOR EMERG USE, IF EMPLOYEE'S EYES MAY BE EXPOSED TO SUBSTANCE.

Supplemental Safety and Health

EFTS OF OVEREXP: 1.5 MICRONS & USUALLY BETWEEN 0.02-0.5 MICRONS. SYMP MAY BE DELAYED 4-12 HOURS & BEGIN W/SUDDEN ONSET OF THIRST, & SWEET METALLIC/FOUL TASTE IN MOUTH. OTHER SYMP MAY INCLUDE UPPER RES P TRACT IRRIT ACCOMPANIED BY COUGHING, & DRYNESS OF MUC MEMB, LASSITUDE & GENERALIZED FEELING OF (SEE INGRED 2)

Melt/Freeze Pt:M.P/F.P Text:2849F,1565C Vapor Pres:1MMHG @20C Spec Gravity:5.24 Solubility in Water:INSOLUBLE Appearance and Odor:RED-BROWN TO BLACK CRYSTALLINE POWDER.

Stability Indicator/Materials to Avoid:YES REFER TO ORIGINAL MSDS. Stability Condition to Avoid:HEAT OR FLAME Hazardous Decomposition Products:THERMAL DECOMPOSITIO N MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY.

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