

FERRIC OXIDE RED, I-116

MSDS Number

BXBML

National Stock Number

6810-00-955-9249

Product Name

FERRIC OXIDE RED, I-116

Manufacturer

OCCUPATIONAL HEALTH SERVICES INC

Product Identification

Product ID:FERRIC OXIDE RED, I-116

MSDS Date:05/27/1988

FSC:6810

NIIN:00-955-9249

MSDS Number: BXBML

Responsible Party

OCCUPATIONAL HEALTH SERVICES INC

450 7TH AVE SUITE 2407

NEW YORK , NY 10123

US

Emergency Phone: 615-292-1180

Info Phone: 212-967-1100

Cage: DO501

Contractor

OCCUPATIONAL HEALTH SERVICES INC

NEW YORK, NY 10036

US

212-789-3535

Cage: 0G9K0

Ingredients

IRON OXIDE; (FERRIC OXIDE RED)

CAS: 1309-37-1

RTECS: NO7400000

Fraction By Weight: 100%

OSHA PEL10 MG/M3 (FE)

ACGIH TLV: 5 MG/M3 FUME (FE)

REDUCES THERMAL STAB OF SALT; HYDROGEN

RTECS: 9999999ZZ

FUMES DEVELS RAPIDLY, BUT IS QUICKLY LOST.

RTECS: 9999999ZZ

PARTICLES WHICH BECOME IMBEDDED MAY CAUSE

RTECS: 9999999ZZ

YELLOWISH GREEN/BROWN IS EARLIEST & MOST COMMON SIGN

RTECS: 9999999ZZ

IF PARTICLE HAS ENTERED LENS, IT GENRLY BECOMES

RTECS: 9999999ZZ

RETINA & IT MAY EVENTUALLY BE DETACHED/DESTROYED.

RTECS: 9999999ZZ

ULTIMATELY IN BLINDNESS. GLAUCOMA MAY RARELY BE

RTECS: 9999999ZZ

YRS, TO DUST/FUME MAY CAUSE BENIGN PNEUMOCONIOSIS

RTECS: 9999999ZZ

BENIGN PNEUMOCONIOSIS MAY CAUSE X-RAY SHADOWS THAT

RTECS: 9999999ZZ

UNDERGROUND MINERS EXPOS TO FERRIC OXIDE RED &

RTECS: 9999999ZZ

MANIFEST IN UNDERGROUND WORKERS, BUT NOT SURF

RTECS: 9999999ZZ

RADIOACTIVITY IN AIR OF MINES, INHAL OF FERRIC

RTECS: 9999999ZZ

CHRONIC POIS MAY AFFECT LUNGS.

RTECS: 9999999ZZ

OF CHEM REMAINS (FOR AT LST 15-20 MINS). GET

RTECS: 9999999ZZ

SUPPORTIVELY. GET MED ATTN IMMED. IF VOMIT OCCURS,

RTECS: 9999999ZZ

SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY &

RTECS: 9999999ZZ

TYPE

RTECS: 9999999ZZ

PRESS-DEMAND/OTHER POS PRESS MODE OR W/FULL

RTECS: 9999999ZZ

W/FULL FACEPIECE OPERATED IN PRESS-DEMAND OR OTHER

RTECS: 9999999ZZ

(IMPERVIOUS) CLOTHING & EQUIPMENT TO

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:INHAL:METAL FUME FEVER, FLU-LIKE

ILLNESS, MAY OCCUR DUE TO INHAL OF FRESHLY FORMED IRON OXIDE FUME

WHICH IS COMPOSED OF PARTICLES SIZED 0.02-0.5 MICRONS. SYMPS MAY BE DELAYED 4-12 HRS & BEGIN W/SUDDEN

ONSET OF THIRST & SWEET METALLIC/FOUL TASTE IN MOUTH. OTHER SYMPS

(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:MAY INCL UPPER RESP TRACT IRRIT

ACCOMPANIED BY COUGH & DRYNESS OF MUC MEMBS, LASS & GENERALIZED

FEELING OF MALAISE. FEVER, CHILLS, MUSCULAR PAIN, MILD TO SEV HDCH,

NAUS, OCCAS VOMIT, EXAGGERA TED MENTAL ACTIVITY, PROFUSE SWEATING,

EXCESSIVE URINATION, DIARR & PROSTRATION MAY ALSO OCCUR. TOLERANCE

TO (ING 3)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG HAS

STOPPED, PERFORM ARTF RESP. KEEP PERS WARM & AT REST. GET MED ATTN

IMMED. SKIN:REMOVE CONTAM CLTHG & SHOES IMMED. WASH AFFECTED AREA

W/SOA P OR MILD DETERGENT & LG AMTS OF WATER UNTIL NO EVID OF CHEM

REMAINS (APPROX 15-20 MINS). GET MED ATTN IMMED. EYE:WASH IMMED

W/LG AMTS OF WATER, OCCAS LIFTING UPPER & LOWER LIDS, UNTIL NO

EVID(ING 15)

Fire Fighting

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.

FOR LARGER FIRES, USE WATER SPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE

EQUIPMENT . ACUTE HAZARD. MOVE CNTNR FROM FIRE AREA IF POSSIBLE.

AVOID BRTHG VAPORS/DUSTS. KEEP UPWIND.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO

HEAT OR FLAME.

Accidental Release

Spill Release Procedures:OCCUPATIONAL SPILL:SWEEP UP & PLACE IN

SUITABLE CLEAN, DRY CONTAINERS FOR LATER DISPOSAL. DO NOT FLUSH

W/WATER. KEEP UNNECESSARY PEOPLE AWAY.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN STORING THIS SUBSTANCE. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:SPECIFIC RESP SELECTED MUST BE BASED ON CONTAM LEVELS FOUND IN WORK PLACE, MUST NOT EXCEED WORKING LIMS OF RESP & BE NIOSH/MSHA APPRVD. FOLLOWING RESPS ARE REC BASED ON DATA FOUND IN PHYSICAL DATA, HL TH EFTS & TOX SECTIONS. THEY ARE(ING 18)

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PELS.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . EMPLOYEE MUST WEAR APPROP PROT (ING 21)

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN.

Supplemental Safety and Health

MATLS TO AVOID:RXN; ALUMINUM-MAGNESIUM-ZINC ALLOY:MAY PRDCE SPKS ON IMPACT; CALCIUM ACETYLIDE:BURNS VIOLENTLY WHEN IGNITED; CALCIUM

HYPOCHLORITE:MAY EXPLODE; CARBON MONOXIDE:POSS EXPLO; CESIUM

ACETYLI DE (CESIUM CARBIDE): INCANDESCENCE ON WARMING; ETHYLENE

OXIDE:VIOLENTLY POLYMERIZES, LIBERATING HEAT; GUANIDINIUM(ING 2)

Chemical Properties

Boiling Pt:B.P. Text:2849F,1565C

Vapor Pres:1 @ 20C

Spec Gravity:5.24

Solubility in Water:INSOLUBLE

Appearance and Odor:RED-BROWN TO BLACK CRYSTALLINE POWDER.

Stability

Stability Indicator/Materials to Avoid:YES

ALUMINIUM:MAY PRDCE INCENDIVE PARTICLES ON IMPACT; ALUMINUM-MAGNESIUM ALLOY(MOLTEN) + WATER, MAGNESIUM:VIOLENT (SUPDAT)

Stability Condition to Avoid:NONE REPORTED.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE TOXIC &/OR HAZARDOUS GASES.

Disposal

Waste Disposal Methods:OBSERVE ALL FEDERAL, STATE & LOCAL REGULATIONS WHEN DISPOSING OF THIS SUBSTANCE.

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