

FISHER SCIENTIFIC -- IRON METAL, I-62 -- 6810-00-569-6611

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Product Identification  
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Product ID:IRON METAL, I-62

MSDS Date:04/14/1986

FSC:6810

NIIN:00-569-6611

MSDS Number: BRSTF

=== 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(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  
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Ingred Name:IRON. PEL/TLV AS IRON OXIDE FUME.

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 100%

OSHA PEL:5 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:SUPP DATA: VIOLENTLY DECOMPOSES ON CONT W/IRON. NITROGEN  
DIOXIDE: REDUCED IRO

N DECOMPOSES W/INCANDESCENCE. (ING 3)

Ingred Name:ING 2: PHOSPHORUS: MAY BECOME INCANDESCENT WHEN HEATED.  
SODIUM CARBIDE: MAY REACT VIGOROUSLY. SULFURIC ACID: MAY(ING 4)

Ingred Name:ING 3: CAUSE PIPES TO EXPLODE DUE TO RELEASE OF HYDROGEN.  
OXIDANTS: MAY REACT VIOLENTLY OR EXPLOS. MOISTURE: MAY (ING 5)

Ingred Name:ING 4: CAUSE OXIDATION. OIL & AIR: HEATING OILY IRON DUST  
CAUSED IGNITION AND EXPLOSION

Ingred Name:FIRST AID PROC: LIDS, UNTIL NO EVIDENCE OF CHEM REMAINS(AT  
LEAST  
15 MINS). GET MED ATTN.

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHAL: ACUTE: MAY CAUSE RESP IRRIT.

CHRONIC: MAY CAUSE MUCOUS MEMBRANE IRRIT, SIDEROFIBROSIS,  
BRONCHITIS, & INFREQUENTLY, BENIGN PNEUMOCONIOSIS. EYES: ACUTE:  
IRRITANT. CONTACT MAY CAUSE REDNESS, PAIN &

IRRITATION. CHRONIC:

REPEATED OR PROLONGED CONTACT MAY CAUSE CONJUNCTIVITIS.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG HAS  
STOPPED, GIVE ARTF RESP. KEEP AFFECTED PERSON WARM & AT REST. GET  
MED ATTN IMMED. SKIN: REMOVE CONTAMD CLTHG &  
SHOES IMMED. WASH  
AFFECTED AREA W/SOAP/MILD DETERGENT & LGE AMTS OF WATER UNTIL NO  
EVIDENCE OF CHEM REMAINS(AT LEAST 15 MINS). GET MED ATTN IMMED.  
EYES: WASH IMMED W/LGE AMTS OF WATER, OCCASIONALLY LIFTING  
UPPER/LOWER (ING 6)

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY/ALCOHOL  
FOAM (1984 EMER RESPONSE GUIDBOOK, DOT P 5800.3). FOR LRGR (SUPP  
DATA)

Fire Fighti

ng Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROTECTIVE EQUIPMENT. MOVE CNTNR FROM FIRE AREA IF POSS. AVOID BREATHING VAPORS OR DUSTS; KEEP UPWIND.

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

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

Spill Release Procedures:WITH A CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CNTNR & COVER. MOVE CNTNRS AWAY FROM SPILL AREA.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:AVOID REPEATED OR PROLONGED CONTACT WITH THIS SUBSTANCE.

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

Respiratory Protection:HIGH LEVELS: NIOSH/MSHA APPROVED SCBA WITH FULL FACEPIECE.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO MEET SAFE EXPOSURE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NOT REQUIRED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXTING MEDIA: FIRES, USE WATER SPRAY, FOG/ALCOHOL FOAM(1984 EMER RESPONSE GUIDEBOOK,DOT P 5800.3). CNDTNS TO AVOID: NOT STORE W/INCOMPATIBLE SUBSTANCES. MATL TO AVOID:DISSOLVED BY ORGN ACIDS.

CHLORINE : HOT IRON BURNS IN CHLORINE GAS. CHLORINE TRIFLUORIDE: MAY CAUSE AN INCANDESCANT RXN. HYDROGEN PEROXIDE: (ING 2)

===== P  
hysical/Chemical Properties =====

Boiling Pt:B.P. Text:4982F,2750C

Melt/Freeze Pt:M.P/F.P Text:2795F,1535C

Vapor Pres:1 @ 3249F

Spec Gravity:8.0

Solubility in Water:INSOLUBLE.

Appearance and Odor:SILVER-WHITE METAL, SOFT, MALLEABLE.

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

Stability Indicator/Materials to Avoid:YES

ACETALDEHYDE: READILY POLYMERIZES IN PRESENCE OF IRON. ACIDS: ATTACKED BY HOT ACIDS & DILUTE MINERAL ACIDS. (SUPP DATA)

Stability Condi

tion to Avoid:MAY BURN BUT DOES NOT IGNITE READILY. PVNT  
DISPERSION OF DUST IN ATMOS. PROTECT CNTNR FROM PHYSICAL DMG. DO  
(SUPP DATA)

Hazardous Decomposition Products:NON HAZARDOUS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE &  
FEDERAL REGULATIONS .

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