

## **21057, FERROVER M IRON REAGENT**

### **MSDS Number**

BNBMF

### **National Stock Number**

6810-00N028873

### **Product Name**

21057, FERROVER M IRON REAGENT

### **Manufacturer**

HACH CO

### **Product Identification**

Product ID:21057, FERROVER M IRON REAGENT

MSDS Date:12/12/1991

FSC:6810

NIIN:00N028873

MSDS Number: BNBMF

### **Responsible Party**

HACH CO

100 DAYTON AVE

AMES , IA 50010

US

Emergency Phone: 303-628-5716

Info Phone: 800-227-4224; 515-232-2533

Cage: 4T252

### **Contractor**

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

### **Ingredients**

THIOSULFURIC ACID, DISODIUM SALT; (SODIUM THIOSULFATE,

CAS: 7772-98-7

RTECS: XN6476000

Fraction By Weight:

POLYSULFUROUS ACID, DISODIUM SALT; (SODIUM METABISULFITE)

CAS: 7681-57-4

RTECS: UX8225000

Fraction By Weight:

OSHA PEL5 MG/M3

ACGIH TLV: 5 MG/M3

DITHIONOUS ACID, DISODIUM SALT; (SODIUM HYDROSULFITE)

CAS: 7775-14-6

RTECS: JP2100000

Fraction By Weight:

CITRIC ACID, TRISODIUM SALT; (SODIUM CITRATE)

CAS: 68-04-2

RTECS: GE8300000

Fraction By Weight:

1,10-PHENANTHROLINE-P-TOLUENESULFONIC ACID SALT

CAS: 92798-16-8

Fraction By Weight:

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:THIS PRODUCT MAY BE CORROSIVE TO EYES, IRRITATING TO SKIN & RESPIRATORY TRACT & MAY CAUSE ALLERGIC RESPIRATORY TRACT REACTION. MODERATELY TOXIC. IF SWALLOWED, MAY CAUSE DIARRHEA. CHRONIC:AN INGR EDIENT OF THIS MIXTURE IS AN EXPERIMENTAL TERATOGEN.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:MAY CAUSE EYE BURNS, SKIN AND RESPIRATORY TRACT IRRITATION; MAY CAUSE ALLERGIC RESPIRATORY REACTION. IF SWALLOWED MAY CAUSE DIARRHEA.

Medical Cond Aggravated by Exposure:SULFITES ARE STRONG SENSITIZERS. INHAL & INGEST MAY CAUSE ALLERGIC RESP RXNS IN ASTHMATICS. PERSONS W/RESP CNDTNS SHOULD TAKE SPECIAL CARE WHEN WORKING W/PRODUCT THATS CONTAIN SULFITES.

## First Aid

First Aid:EYE:IMMED FLUSH W/WATER FOR AT LST 15 MINUTES. CALL MD. SKIN:WASH W/SOAP & PLENTY OF WATER. INGEST:DO NOT INDUCE VOMIT. GIVE 1-2 GLASSES OF WATER. CALL MD IMMEDIATE. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. INHAL:REMOVE TO FRESH AIR. GIVE ARTF RESP IF NECESSARY. CALL MD.

## Fire Fighting

Extinguishing Media:DRY CHEMICAL, ALCOHOL FOAM OR CO\*2.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:HEATS SPONTANEOUSLY IN CONTACT W/WATER; MAY REACT W/OXIDIZERS.

## Accidental Release

Spill Release Procedures:COVER SPILL W/EQUAL VOL OF SODA ASH. ADD H\*2O, IF NEC, TO FORM SLURRY & SCOOP TO BEAKER. DILUTE W/MORE H\*2O & ADD SM AMT OF CALCIUM HYPOCHLORITE. ALLOW TO STAND FOR 24 HRS. CHECK PH & ADJUST TO PH BTW 6 & 9, IF NEC. FLUSH OXIDIZED MATL TO(SUPDAT)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN COOL, DRY DARK PLACE. AVOID CONTACT W/EYES, SKIN & CLOTHING. DO NOT BREATHE DUST.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:DISPOSABLE GLOVES. IMPERVIOUS .

Eye Protection:CHEM WORK GOGG/FULL LENGTH FCSHLD.

Other Protective Equipment: LAB COAT. EMERGENCY EYE WASH & DELUGE SHOWER

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SPILL PROC: DRAIN IF NECESSARY.

## Chemical Properties

HCC: T6

Solubility in Water: SOLUBLE

Appearance and Odor: SOLID; WHITE POWDER; SO<sup>2</sup> ODOR.

## Stability

Stability Indicator/Materials to Avoid: YES

CONTACT W/WATER, ACIDS, COMBUSTIBLES, ORGANICS OR OXIDIZERS, SODIUM NITRITE, ALUMINUM POWDER.

Stability Condition to Avoid: EXTREME HEAT OR FLAMES; EXCESS MOISTURE; EXPOSURE TO LIGHT.

Hazardous Decomposition Products: TOXIC FUMES OF SO<sup>2</sup>, NA<sup>2</sup>O IN FIRE; CORROSIVE FUMES IN CONTACT W/WATER OR ACID.

## Disposal

Waste Disposal Methods: DISPOSE OF I/A/W ALL FEDERAL, STATE & LOCAL REGULATIONS.

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