

## **1812 FERROIN INDICATOR SOLUTION**

### **MSDS Number**

BBCJG

### **National Stock Number**

6810-01-290-0198

### **Product Name**

1812 FERROIN INDICATOR SOLUTION

### **Manufacturer**

HACH COMPANY

### **Product Identification**

Product ID:1812 FERROIN INDICATOR SOLUTION

MSDS Date:07/15/1986

FSC:6810

NIIN:01-290-0198

MSDS Number: BBCJG

### **Responsible Party**

HACH COMPANY

100 DAYTON RD

AMES , IA 50010-0642

US

Emergency Phone: 515-232-2533

Info Phone: 303-669-3050

Cage: 4T252

### **Contractor**

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

### **Ingredients**

FERROIN (COMPLEX OF O-PHENANTHROLINE AND FERROUS

CAS: 14634-91-4

Fraction By Weight:

DEMINERALIZED WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

### **Hazards**

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

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

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO EYES. PRODUCT MUST BE MISTED OR DECOMPOSED TO BE INHALED,A CONDITION NOT LIKELY TO HAPPEN DURING ANY FOR SEEN USE. SLIGHT ORAL TOXICITY

Effects of Overexposure:MAY CAUSE IRRITATION

Medical Cond Aggravated by Exposure:NONE

## First Aid

First Aid:EYE:FLUSH W/WATER. SKIN:FLUSH WITH WATER. INHALED:REMOVE TO FRESH AIR. INGESTED:GIVE LARGE AMOUNTS OF MILK OR WATER. GET MEDICAL ATTENTION.

## Fire Fighting

Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR THE SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

## Accidental Release

Spill Release Procedures:ABSORB ON INERT MATERIAL.  
Neutralizing Agent:NONE

## Handling

Handling and Storage Precautions:STORE TIGHTLY CLOSED. PROTECT FROM EVAPORATION.  
Other Precautions:AVOID INGESTION & SKIN/EYE CONTACT.

## Exposure Controls

Respiratory Protection:NONE NORMALLY NEEDED. USE NIOSH RESPIRATOR OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV.  
Ventilation:USE HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV FOR NUISANCE DUST,OR MIST.  
Protective Gloves:NONE  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:EYE WASH,SAFETY SHOWER, LAB COAT OR APRON.  
Work Hygienic Practices:USE NORMAL CHEMICAL HYGIENE PRACTICES  
Supplemental Safety and Health  
PREVIOUS MSDS SHOWED FERROUS SULFATE AND O-PHENANTHROLINE AS INGREDIENTS. THIS ONE SHOWS"FERROIN"DESCRIBED IN MERK INDEX AS SHOWN UNDER INGREDIENT 1. THIS IS NOT A REFORMULATION.

## Chemical Properties

HCC:C3  
Boiling Pt:~100.C, 212.F  
Spec Gravity:0.994  
pH:4.5  
Solubility in Water:MISCIBLE  
Appearance and Odor:CLEAR,DARK,RED-BROWN LIQUID, NO ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE  
Stability Condition to Avoid:HEAT EVAPORATION

## Disposal

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGS. MFR SUGGESTS FLUSH TO DRAIN.

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