

# Hardy Diagnostics

## Safety Data Sheet

### 1. Product And Company Identification

#### 1.1. Product identifiers

Product Name: **Ferric Chloride, 10%**

Other Common Names: None

Catalog Number: Z63

#### 1.2. Recommended use

No data available.

#### 1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics  
 1430 West McCoy Lane  
 Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

### 2. Hazards Identification

#### 2.1. Classification of substance or mixture


GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

**Corrosive to Metals (Category 1), H290**

**Skin Corrosion (Category 2), H315**

**Eye Damage (Category 1), H318**

#### 2.2. GHS Label elements, including precautionary statements

<b>Pictogram:</b>	
<b>Signal Word:</b>	<b>Danger</b>
<b>Hazard Statements:</b>	
H290	May be corrosive to metals.
H315	Causes skin irritation
H318	Causes serious eye damage.
<b>Precautionary Statements:</b>	
P234	Keep only in original packaging.
P260	Do not breathe vapors.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see supplemental first aid instructions on this label).
P390	Absorb spillage to prevent material-damage.
P405	Store locked up.
P501	Dispose of contents or container at an approved waste disposal facility, according to applicable regulations.

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

**3. Composition/Information on Ingredients**

3.1. **Mixtures**

Hazardous components:

<b>Substance:</b>	<b>Concentration:</b>	<b>Hazard Information:</b>
Ferric Chloride (CAS# 10025-77-1)	9.52%	Skin Corrosion 2, Eye Damage 1, Corrosive to Metals 1
Hydrochloric Acid (CAS# 7647-01-0)	4.76%	Skin Corrosion 1B, Eye Damage 1, Corrosive to Metals 1

**4. First Aid Measures**

4.1. **Description of first aid measures**

<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.
<b>Skin Contact:</b>	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

4.2. **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. **Indication of any immediate medical attention and special treatment needed**

No data available.

**5. Firefighting Measures**

5.1. **Extinguishing media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2. **Special hazards arising from the substance or mixture**

No data available.

- 5.3. **Advice for firefighters**  
In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.
- 5.4. **Further information**  
No data available.

## 6. Accidental Release Measures

- 6.1. **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.  
**Environmental precautions**  
No data available.
- 6.2. **Methods and materials for containment and cleaning up**  
Ventilate area of leak or spill. Recover spill or leak with inert material such as vermiculite or sand. Contain recovered material in a suitable receptacle.
- 6.3. **Reference to other sections**  
For disposal, see section 13.

## 7. Handling and Storage

- 7.1. **Precautions for safe handling**  
Wear appropriate personal protective equipment. Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
- 7.2. **Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed. Store in a cool dry place in accordance with specified storage conditions. Keep only in original packaging or store in a corrosion resistant container with a resistant inner liner.
- 7.3. **Specific end uses**  
Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

## 8. Exposure Controls/Personal Protection

- 8.1. **Control parameters**  
No data available.
- 8.2. **Appropriate engineering controls**  
Safety shower and eye bath. Mechanical exhaust required.
- 8.3. **Personal protective equipment**

<b>Eye/Face:</b>	Safety goggles.
<b>Skin:</b>	Chemical resistant gloves.
<b>Respiratory:</b>	None for normal use
<b>Thermal Hazards:</b>	None for normal use.

## 9. Physical and Chemical Properties

- 9.1. **Information on basic physical and chemical properties**

Appearance:	Physical State: Liquid Color: Light yellow
Odor:	Distinctive
Odor Threshold:	Not Determined

pH:	Not Determined
Melting/Freezing Point:	Not Determined
Boiling Point:	Not Determined
Flash Point:	Not Determined
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
Water Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

#### 9.2. Other safety information

No data available.

### 10. Stability and Reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	This product is stable.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	No data available.
<b>Hazardous decomposition products</b>	No dangerous decomposition products known.

### 11. Toxicological Information

#### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity – single exposure</b>	No data available
<b>Specific target organ toxicity – repeated exposure</b>	No data available
<b>Aspiration Hazard</b>	No data available
<b>Additional information</b>	No data available.

### 12. Ecological Information

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available

<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	No data available

### 13. **Disposal Considerations**

#### 13.1. **Waste disposal**

Dispose of in accordance with applicable state and federal regulations.  
 Disposal must be in accordance with regulations 40 CFR 261.

### 14. **Transport Information**

<b>DOT hazard class</b>	Class 8 Corrosive Material
<b>Shipping name</b>	Ferric Chloride, n.o.s.
<b>Identification number</b>	UN1773
<b>Packing group</b>	III

### 15. **Regulations**

<b>Carcinogenicity</b>	<b>Yes/No</b>
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No

### 16. **Other Information**

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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