

# Material Safety Data Sheet

(15512-02, 26374-04, 26369-02)

## Section 1: Chemical Product and Company Identification

**Product Name:** Ferric Chloride, 2% Aqueous

**Catalog Number:** 15512-02, 26374-04, 26369-02

**CAS#:** see Section 3

**Contact Information:**

**Electron Microscopy Sciences**

1560 Industry Road

Hatfield, PA 19440

1-215-412-8400 (phone)

1-800-523-5874 (toll-free)

1-215-412-8450 (fax)

**Order Online:** [emsdiasum.com](http://emsdiasum.com)

**CHEMTREC (24-Hour Emergency Telephone), call:** 1-800-424-9300

## Section 2: Composition and Information on Ingredients

NFPA Health: 1 Flammability: 0 Instability: 0

**WARNING! CORROSIVE! IRRITANT!** Harmful if swallowed. Avoid contact with skin, eyes and clothing.

## Section 3: Hazards Identification

CAS #	Chemical Name	Percent
10025-77-1	Ferric Chloride	2 w/v
7732-18-5	Water	100 v/v

## Section 4: First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If swallowed, seek medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

## Section 5: Fire and Explosion Data

Firefighters should wear proper protective clothing and self-contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**Auto ignition Temperature:** N/A  
**Explosion Limits, Lower:** N/A  
**Upper:** N/A

### Section 6: Accidental Release Measures

**Procedure(s) of Personal Precaution(s):** Wear protective gear.

**Methods for cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

### Section 7 : Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Mechanical exhaust.

**Personal Protective Equipment:** Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

### Section 9: Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Amber

**pH:** 1.85+/-1.0

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** N/A

**Freezing/Melting Point:** N/A

**Decomposition Temperature:** N/A

**Solubility:** Soluble

### Section 10: Stability and Reactivity Data

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Hazardous decomposition products:** Sulfur oxides, ammonia

**Hazardous Polymerization:** will not occur

### Section 11: Toxicological Information

**Route of exposure: Multiple routes:** May cause irritation. May be harmful by inhalation, ingestion, or skin absorption.

**Conditions aggravates by exposure:** The toxicological properties have not been thoroughly investigated.

### Section 12: Ecological Information

No data available.

### Section 13: Disposal Considerations

**Appropriate method of disposal of substance or preparation:** Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility.

### Section 14: Transport Information

DOT  
Non-Regulated

### Section 15: Other Regulatory Information

#### US Classification and label test

US Statements: Caution: Irritant to skin and eyes.

United States: Regulatory Information

SARA Listed: No

#### Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: no

NDSL: no

### Section 16: Other Information:

**MSDS Creation Date: 11/08/00**

**Last Updated: 10/4/11**

**Date Verified and Printed: 10/4/11**

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