

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: X006036
Product Name: Ferric Chloride
Company Name: CalibreScientific US, Inc.
 1311 SE Cardinal Ct Suite 170
 Vancouver, WA 98683
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC
 International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
Intended Use: For Laboratory Use Only

Product List

2. Hazards Identification

Skin Corrosion/Irritation, Category 3

GHS Signal Word: **Warning**
GHS Hazard Phrases: H316 - Causes mild skin irritation.
GHS Precautionary Phrases:
GHS Response Phrases: P332+313 - If skin irritation occurs, get medical advice/attention.
GHS Storage and Disposal Phrases:

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	>=99.0 %
7647-01-0	Hydrochloric acid {Hydrogen chloride}	< 0.8 %
10025-77-1	Ferric chloride, Hexahydrate	< 0.01 %

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Skin Contact: Wash with plenty of soap and water.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

In Case of Ingestion: Wash mouth out with water.

5. Fire Fighting Measures

Flash Point:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions:

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Wash area with soap and water.

Material Is Released Or

Spilled:

7. Handling and Storage

Precautions To Be Taken in Handling: Good laboratory practices, safety procedures, and normal precautions in handling and storage of all products are recommended to provide adequate protection to the skilled laboratory professional.

Precautions To Be Taken in Storing: Store at 2 - 8°C.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water			
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CEIL: 5 ppm		
10025-77-1	Ferric chloride, Hexahydrate			

Respiratory Equipment (Specify Type): Good laboratory practices should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Eye Protection:

Protective Gloves:

Other Protective Clothing:

Engineering Controls (Ventilation etc.):

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: colorless.
Odor: Odorless.

pH:

Melting Point:

Boiling Point: / 0.0 mm Hg

Flash Point:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure:

Vapor Density (vs. Air=1):

Specific Gravity (Water=1):

Solubility in Water:

Saturated Vapor Concentration:

Octanol/Water Partition Coefficient:

Autoignition Pt:

Decomposition Temperature:

Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability:

Incompatibility - Materials To Avoid:

Hazardous Decomposition or Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions:

11. Toxicological Information

Toxicological Information:

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method: Dispose of product in accordance with all federal, state, and local regulations.

14. Transport Information

GHS Classification: Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: N/A.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: N/A.

UN Number:

Hazard Class:

TDG Classification:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
7647-01-0	Hydrochloric acid {Hydrogen chloride}	Yes 500 LB	Yes NA	Yes
10025-77-1	Ferric chloride, Hexahydrate	No	No	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1012; PA HSL: Yes - E
10025-77-1	Ferric chloride, Hexahydrate	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

16. Other Information

Revision Date: 02/21/2025 **Previous revision:** 03/19/2024

Preparer Name: AFrontella

Additional Information About

This Product:

Document & Change Control Number SDS0293.B.

Company Policy or

Disclaimer

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.