



Liquid Ferric Sulfate PRODUCT PROFILE

CHARACTERISTICS

Liquid ferric sulfate is a red-brown aqueous solution.

TYPICAL PROPERTIES

	50% Ferric Sulfate	60% Ferric Sulfate
Soluble Ferric Iron (Fe ⁺³)	10%	12%
Soluble Ferrous Iron (Fe ⁺²)	< 0.2%	< 0.2%
Free Sulfuric Acid (as H ₂ SO ₄)	< 3%	< 3%
Water Insolubles	< 0.1%	< 0.1%
Product Density	11.97 lbs./US gallon	13.18 lbs./US gallon
pH, as is	1.0 (approx.)	1.0 (approx.)
pH, 1% solution	4.8 (approx.)	4.8 (approx.)
Specific Gravity (See Figure 1)	1.435	1.580
Freezing Temperatures	< -58 °F (-50 °C)	< -58 °F (-50 °C)
Boiling Temperatures	212 °F (100 °C) (approx.)	212 °F (100 °C) (approx.)

Acidified and Polymer Blends of Ferric Sulfate also available

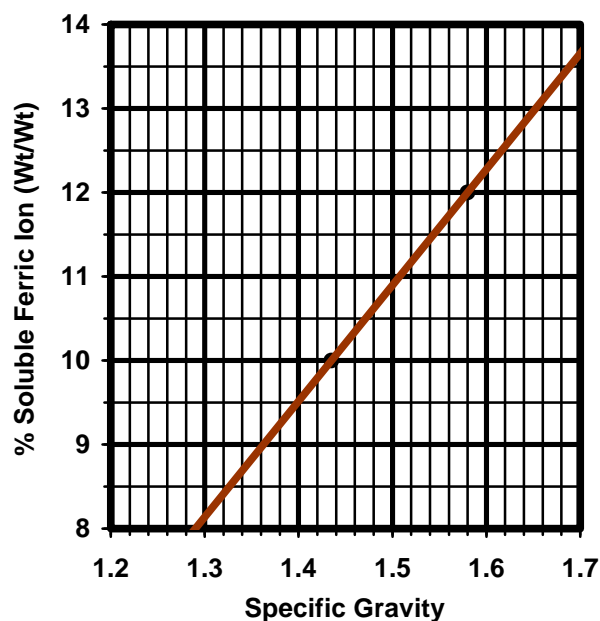


Figure 1: Approximate Specific Gravity of Liquid Ferric Sulfate, at 60°F (16°C).

PRODUCT MARKETS AND USES

Potable & Process Water Treatment

- Coagulant for Turbidity Removal
- Color Reduction
- Disinfection Byproduct Control
- Total Organic Carbon (TOC) Reduction
- Water Clarification

Municipal & Industrial Wastewater Treatment

- BOD Removal
- Chemically Enhanced Primary Treatment
- Coagulation / Flocculation Agent
- H₂S Removal and Odor Control
- Oily Waste and Heavy Metal Separation
- Phosphorus Control
- Sludge Conditioning / Thickening and Dewatering
- Stormwater Treatment
- Struvite Control
- Suspended Solids Removal

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PRODUCT PROFILE

CONTAINERS

- Bulk rail cars
- 275 gallon totes
- Bulk tank trucks
- 55 gallon drums

SHIPPING LOCATIONS

Liquid Ferric Sulfate is shipped from the following North American locations:

- South Gate, CA
- Middletown, OH
- Denver, CO
- Celina, TX
- East St. Louis, IL
- Hopewell, VA
- Joliet, IL
- Menasha, WI
- Nicholson, MS
- Wisconsin Rapids, WI
- Newark, NJ

PRODUCT SAFETY INFORMATION

Liquid ferric sulfate may cause irritation when it comes in contact with skin, eyes or mucous membranes. Avoid contact.

Anyone responsible for the procurement, use or disposal of this product should familiarize himself or herself and those handling the product with the appropriate safety and handling precautions involved.

This information is available in the Material Safety Data Sheet, which may be obtained by contacting our Customer Service group. In the event of an emergency with these products, call the 24 hour Emergency Number:

US Only: (CHEMTREC) (800) 424-9300

Canada Only: (CANUTEC) (613) 996-6666

SHIPPING REGULATIONS

Hazard Class: 8

Label: *Corrosive*

ID Number: *UN3264*

Proper Shipping Name: *Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Ferric Sulfate)*

Packing Group: *III*

RQ: *Approximately 1,000 Lbs. (CASRN Basis)*

FEEDING METHODS

Liquid Ferric Sulfate can be fed with metering pumps, eductors, rotometers, and rotadips or even gravity through a needle valve.

Attention must be paid to the materials of construction of the feed equipment, piping, and storage vessels.

SATISFACTORY MATERIALS OF CONSTRUCTION

Most commonly used plastics including polyethylenes, polypropylene, PVC, ABS, Teflon, and FRP.

Most commonly used elastomers including natural rubbers, Hypalon, Buna N, Neoprene.

Metals: Stainless Steel Type 316, Alloy 20.

Others: Glass, Ceramics.

CORPORATE HEADQUARTERS

General Chemical
90 East Halsey Road
Parsippany, NJ 07054

IN CANADA

Call Customer Service at
(800) 631-8050 (English)
(866) 543-3896 (French)



CUSTOMER SERVICE

(800) 631-8050

TECHNICAL SERVICE

(800) 255-7589 or (315) 478-2323

WEBSITE

www.GeneralChemical.com