



Ferric Sulfate Solution 50% (10% Fe³⁺)

ALTIVIA Ferric Sulfate 50% (IS3080) is an effective liquid ferric sulfate coagulant based on trivalent iron (Fe³⁺). The product is manufactured using a process reacting high purity iron ore with sulfuric acid. Ferric Sulfate Solution functions very well for both potable and wastewater clarification and can be used for turbidity removal, color removal, phosphate removal, heavy metal removal, in lime softening applications as well as for sludge conditioning. Ferric Sulfate Solution can also effectively be used in Hydrogen Sulfide control applications to reduce odor and corrosion.

PRODUCT SPECIFICATION

Appearance	Dark Liquid
Fe (III)	10.25 ± 0.25%
Fe (II)	<0.20%
Specific Gravity (25°C)	1.38 – 1.55

TYPICAL ANALYSIS

pH	< 2.0
Free Acid	< 0.5%
Water-Insoluble Matter	< 0.1%
Freezing Point	< -18°C / 0°F

Certification / Approval

ALTIVIA's Ferric Sulfate Solution 50% (IS3080) meets or exceeds all AWWA standards and is NSF/ANSI Standard 60 certified for use in potable water treatment up to 600 mg/l.

Preparation Date: 10/16/2012

Revision Date: 04/28/2014

Dosing

Ferric Sulfate Solution should be fed straight. No dilution or preparation is required. A diaphragm-metering pump of non-corrosive material is suitable.

Storage

Storage tanks and piping should be constructed of suitable material such as stainless steel, fiberglass, or cross-linked polyethylene. With this chemical it is recommended to clean the storage tank every 1-2 years.

Handling / Safety

The handling of any chemical requires care. Anyone responsible for using or handling Ferric Sulfate Solution should familiarize themselves with the full safety precautions outlined in our Material Safety Data Sheet.

Delivery

Shipping Instructions: Corrosive Liquid, Acidic, Inorganic, n.o.s., 8, UN 3264, P.G. III

ALTIVIA Chemicals, LLC makes this information available as an accommodation to its customers and it is intended to be solely a guide in customer's evaluation of the products. You must test our products, to determine if they are suitable for your intended uses and applications, as well as from the health, safety and environmental standpoint. You must also instruct employees, agents, contractors, customers or any third party which may be exposed to the products about all applicable precautions. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. You assume full liability and responsibility for compliance with all information and precautions, and with all laws and statutes, ordinances and regulations of any governmental authority applicable to the processing, transportation, delivery, unloading, discharge, storage, handling, sale and use of each product. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use.