



## Ferrous Sulfate Solution (5% Fe<sup>2+</sup>)

**ALTIVIA Ferrous Sulfate 5% Fe<sup>2+</sup> (IS2060)** is an effective liquid ferrous sulfate coagulant based on bivalent iron (Fe<sup>2+</sup>). The product is manufactured by reacting high purity iron ore and metallic iron with sulfuric acid. Ferrous Sulfate Solution can effectively be used as a flocculant and coagulant for municipal and industrial water and wastewater treatment. Some applications include hydrogen sulfide control; phosphate precipitation with aeration; chromate reduction; cyanide complexation; dechlorination; and sludge conditioning.

### PRODUCT SPECIFICATION

Appearance	Green Liquid
Total Fe (II)	5 ± 0.25
Specific Gravity (25°C)	1.12 – 1.18

### TYPICAL ANALYSIS

pH	> 2.0
Free Acid	< 0.25%
Water-Insoluble Matter	< 0.1%

### Certification / Approval

ALTIVIA's Ferrous Sulfate Solution 5% Fe<sup>2+</sup> 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

Ferrous 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 Ferrous 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, LCC 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.