

Ferric Sulfate 50%



Ferric Sulfate 50% is a high-performance liquid coagulant formulated with trivalent iron (Fe^{3+}). Produced from high-purity iron ore and sulfuric acid, it delivers reliable results for potable and wastewater treatment. Applications include turbidity, color, phosphate, and heavy metal removal, lime softening, sludge conditioning, and hydrogen sulfide control to reduce odor and corrosion. This solution meets the American Water Works Association Standard B406-20 and complies with NSF/ANSI 60: Drinking Water Treatment Chemicals – Health Effects, with a maximum application rate of 600 mg/L.

Specification	Value
FREE ACID	< 0.5 %
WATER INSOLUBLE	< 0.1 % MATTER
APPEARANCE	DARK LIQUID
FREEZING POINT	< -18°C / 0°F

Properties	Value
SPECIFIC GRAVITY (25°C)	1.46 ± 0.08
PH	> 2.0
TOTAL FE (II)	< 0.20 %
TOTAL FE (III)	10.0 ± 0.5 %

Delivery Options ¹	Pounds	Gallons
RAIL	180,000	15,640
TANK TRUCK ²	45,000	3,910
IBC TOTE	3050	265
DRUM	610	53

¹ Not all options are available at each production location

² Tank Truck capacities can vary depending on configuration

Principal uses

Drinking water – removal of suspended and dissolved matter, color removal. Wastewater treatment – turbidity removal, phosphate removal, heavy metal removal. Also lime softening applications.

Safety/Handling

Observe caution when handling corrosive materials. Please consult the safety data sheet (SDS) for safety and handling precautions.

Production

With 27 manufacturing facilities across the United States, contact us for product availability.

The information presented herein is believed to be accurate and reliable but is given without guarantee or warranty, expressed or implied. The user should not assume that all safety measures are indicated or that other measures may not be required. The user is responsible for assuring that the product and equipment are used in a safe manner that complies with all appropriate legal standards and regulations.