

Industrial Chemical

Granular Ferric Sulfate

Granular Ferric Sulfate is an effective primary coagulant in dry granulated form based on trivalent iron (Fe^{3+}). It can be easily dissolved with suitable equipment into a 10% Fe^{3+} solution.

Typical Physical Properties

Appearance	Grayish Granule
Iron (Fe^{tot})	$21.5 \pm 1\%$
Fe (III)	$20.5 \pm 1\%$
Fe (II)	$\leq 1.0\%$
Free H_2SO_4	$<1.5\%$
Bulk Density	70lb/ft ³

Particle Size Distribution

50%	$< 2\text{-}3 \text{ mm}$
100%	$< 7\text{mm}$
Dust ($<0.2 \text{ mm}$)	Max 3%
Angle of repose	37 °

Typical properties are listed for information only, and are not to be considered as specification requirements. These items are not analyzed on a routine basis.

Typical Applications

- Arsenic Removal
- Odor Control
- Struvite Control
- Coagulation
- Phosphorus Removal
- Sludge Thickening
Conditioning & Dewatering
- Heavy Metals Removal
- Selenium Removal

Granular Ferric Sulfate functions very well for both potable and wastewater clarification over a wide range of pH and can be used for color removal, phosphate removal, heavy metal removal and lime softening applications.

Typical Feed Requirements

Granular Ferric Sulfate can be dissolved in water and dosed/fed via suitable chemical metering pumps

Storage and Handling

The dry granules are mildly hygroscopic and therefore should be stored in dry conditions. Always use care when handling chemicals. Anyone handling Granular Ferric Sulfate should familiarize themselves with the full safety precautions outlined in our Material Safety Data Sheet.

Packaging

Granular Ferric Sulfate is typically available in bulk quantities. For further information, please contact your ALTIVIA representative. For reorders and customer service, call (866) ALTIVIA.