

PRODUCT SPECIFICATION
FERRIC SULFATE LIQUID – 40–50%
Iron(III) sulfate liquid coagulant

Product Name: Ferric Sulphate Liquid

Chemical Family: Ferrous Compounds

Manufacturer: IRA Inorganics

General Information:

Iron(III) sulfate liquid coagulant. Intended for coagulation and clarification in municipal and industrial water/wastewater treatment.

Properties

Appearance	Clear to slightly turbid brown / red-brown liquid -	
Ferric sulfate, $\text{Fe}_2(\text{SO}_4)_3$	40.0–50.0	% w/w
Total Iron (Fe)	11.2–14.0	% w/w
Water Insoluble	≤0.10	% w/w
Free Acidity as H_2SO_4	Typically 1–5	% w/w
Specific Gravity @ 20–25°C	Approx. 1.40–1.45 g/mL	
pH, as supplied	<2	-
Water Solubility	Readily soluble / dilutable -	

Applications :

- Municipal drinking-water and sewage treatment
- Industrial ETP/CETP Clarifications
- Textile and dyeing wastewater
- Paper and Pulp wastewater
- Chemical and Pharmaceutical effluent
- Sludge conditioning and dewatering
- turbidity and suspended-solids reduction

Packaging:

- Preferred packaging: HDPE drums, HDPE/PP compatible IBCs or compatible bulk tanks.
- Keep container tightly closed and protected from contamination, excessive heat and direct sunlight.

- Avoid unlined carbon steel, galvanized steel and copper equipment in contact with the product.
- Store in a cool, dry, well-ventilated chemical storage area.
- Use chemical-resistant gloves, protective clothing and safety goggles/face shield.

Additional Notes:

- Concentration must be explicitly defined as % w/w $\text{Fe}_2(\text{SO}_4)_3$ on the agreed anhydrous basis, unless another basis is specified.
- Commercial grades may be designated FS-L 40, FS-L 45 and FS-L 50.