

PRODUCT SPECIFICATION
POLY FERRIC SULFATE LIQUID – 50%
Polymeric ferric sulfate liquid coagulant

Product Name: Ferric Sulphate Liquid

Chemical Family: Ferrous Compounds

Manufacturer: IRA Inorganics

PRODUCT DESCRIPTION

Polymeric ferric sulfate liquid coagulant. Intended for coagulation and clarification in municipal and industrial water/wastewater treatment.

Properties :

Appearance	Clear to slightly turbid red-brown / dark brown liquid -	
PFS Product Concentration	Approx. 50	% w/w
Total Iron (Fe)	11.0–13.0	% w/w
Ferric Iron (Fe³⁺)	Predominantly ferric	-
Basicity	8–16	%
Ferrous Iron (Fe²⁺)	≤0.50	% of total Fe
Water Insoluble	≤0.30	% w/w
pH of 1% aqueous solution	1.5–3.0	-
Specific Gravity @ 20–25°C	Approx. 1.40–1.55	g/mL
Water Solubility	Readily soluble / dilutable	-
Shelf Life	Typically 6	months

APPLICATIONS:

- Municipal water and sewage treatment
- Industrial ETP / CETP
- Textile and dyeing effluent
- Paper and pulp wastewater
- Chemical and pharmaceutical wastewater
- Phosphorus removal and turbidity reduction
- Suspended-solids removal and sludge conditioning

PACKING & STORAGE

- 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.

NOTES:

- The term '50%' should be defined commercially as 50% w/w PFS solution; Total Fe and Basicity should be the principal quality controls.
- Product code: PFS-L 50.
- Final Fe, basicity, density, insolubles and pH limits should be confirmed from actual production and customer jar-test requirements.