

	UNCONTROLLED IF PRINTED		TECHNICAL DATA /SPEC SHEET	
	CREATION DATE	01/05/2017	Ferric Sulphate 10.5% - 12%	TDS217W
	VERSION NO.	1		
	REVIEWED BY	T McLaughlin		
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Safety

Ferric Sulfate is an acidic solution with a pH less than 1 so care must be taken when handling the material. Minimum PPE requirements when likely to come into contact with Ferric are rubber gloves and safety glasses. Should the material be under pressure we would recommend a visor and non-absorbable clothing. This Technical Data Sheet should be read in conjunction with the Safety Data Sheet SDS234W.

The Product

Ferric Sulfate is a highly effective coagulant in water, wastewater and industrial waters. It is also highly effective in phosphate removal sites where sulphides may also be present.

This product conforms to the specification of BS EN 890:2004

Storage

Ferric Sulfate is an acidic solution that will corrode normal iron tanks. It must be stored in Stainless Steel (minimum 316 grade), GRP or plastic vessels. As with any chemical, it is recommended to clean the storage tank every year. The first delivery of any product should be made into a clean storage facility to ensure optimum performance and storage.

Specification		Trace Elements	
Chemical Name	Iron (III) Sulphate	Arsenic (As)	< 1mg/kg Fe
Synonym	Ferric Sulphate	Cadmium (Cd)	< 1mg/kg Fe
Chemical Formula	Fe ₂ (SO ₄) ₃ nH ₂ O	Chromium (Cr)	< 100 mg/kg Fe
CAS Number - Fe ₂ (SO ₄) ₃	10028-22-5	Mercury (Hg)	< 0.1mg/kg Fe
Appearance	Red / Brown Liquid	Nickel (Ni)	< 350mg/kg Fe
Crystallisation Point	-15°C	Lead (Pb)	< 60mg/kg Fe
Iron Content	10.5% - 12% as w/w Fe	Antimony (Sb)	< 1mg/kg Fe
Iron (II) Content	< 2.5 Mass Fraction of Fe in %	Selenium (Se)	< 6mg/kg Fe
Specific Gravity at 15°C	1.420 – 1.520	Manganese (Mn)	< 0.5 of % Fe
Free Acid	< 1.00 % w/w H ₂ SO ₄		
Shelf Life	12 months		
Insoluble matter	< 0.3 Mass Fraction of Fe in %		