

Product description/characteristics

Product name	Liquid Ferric Chloride
Chemical formula	FeCl ₃
Appearance	Dark, brown solution
CAS number	7705-08-0
EINECS number	231-729-4
Agreement and certification	Meet the European standard EN 888 : 2005, Type 2.
Main applications	<ul style="list-style-type: none">• Phosphorus removal.• Drinking water production.• Coagulation, suspended particles and colloids settling.• Sludge conditioning.• H₂S removal.
Other general characteristics	<ul style="list-style-type: none">• Crystallization temperature : around -13°C.• Like most metal salts, ferric chloride may present problems of miscibility with other inorganic coagulants.
Packaging, delivery, storage	<ul style="list-style-type: none">• In bulk in 25-26 tons road tanker.• Storage and distribution: acid-resistant materials such as plastics, reinforced polyester, ebonite steel, polyethylene, polypropylene.• This product is corrosive to metals.
Health, security, transport	For further detailed information concerning precautions for safe handling, please refer to the Material Safety Data Sheet.

Specification

Parameter	Unit	Value
Ferric chloride (FeCl ₃)	% mass	39,0-41,0
Fe (III)	% mass	13,4-14,2
Fe (II)	Mass ratio in % of the Fe III content	<2,5
Manganese	Mass ratio in % of the Fe III content	<0,4
Insoluble	Mass ratio in % of the Fe III content	<0,2
Density at 20°C	kg/dm ³	1,400-1,440
pH at 20°C		<1

Chemical parameters: Maximum values, measured by atomic absorption or ICP:
Unit = mg/kg Fe (III)

Specification

Parameter	Specification	Typical analysis
As - arsenic	< 20	4
Cd - cadmium	< 25	1
Cr - chrome	< 350	43
Hg - mercury	< 5	0,3
Ni – nickel	< 350	50
Pb – lead	< 100	4
Sb - antimony	< 20	4
Se - selenium	< 20	4