

ferric chloride

F0880II Gold Line

hexahydrate

Typical analysis

Assay (FeCl ₃)	min 60%
Calcium (Ca)	0.01%
Ferrous salts (Fe)	0.5%
Free Chlorine (Cl)	0.005%
Lead (Pb)	0.005%
Magnesium (Mg)	0.005%
Sulphate (SO ₄)	0.01%
Water-insoluble matter	0.1%

Packaging

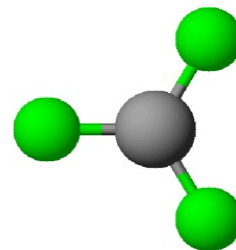
500g white plastic jar
cas 10025-77-1

F0882II Gold Line

solution

Packaging

500ml amber glass bottle
cas 7705-08-0



Physical properties, composition and data

Chemical formula	FeCl ₃ ·6H ₂ O
Chemical group	Chlorides
Synonym	Flores martes; Iron III chloride; Iron oerchloride; Iron trichloride
Solution mixture	Ferric chloride (about 60% w/v) and water
Atomic weight	270.30
Weight per litre	Solution: 1.45kg
Appearance	Brownish yellow or orange monoclinic crystals. Yellow solution
Solubility/miscibility	Crystals soluble in water, alcohol, ether and acetone. Solution miscible with water
Melting point	37°C
Boiling point	280 - 285°C
pH (aqueous solution)	1.8
Other information	Very hygroscopic
Hazardous material	Irritant

Laboratory preparation, applications and practices

Usage	Photo engraving and etching
Filter paper	Filtech no: 0162, 0165, 1839, 1845

Storage and handling information

Storage	Store in a dry place
Safety phrases	2-13-39
Risk phrases	22-36/38
Disposal methods	3

Transport regulations

Tariff code	2827.33.00
Hazardous class	8
Packing group	III
UN number	Crystal: 1773 and Solution: 2582
ERG number	154

