



Product Specification

Product Name: IRON(III) CHLORIDE 40% Soln. TG

Alternate Name(s) Ferric chloride

Description

Dark reddish liquid; odourless.

Properties

Chemical Formula:

Molecular Weight:

Product Code: FT021

CAS No. 7705-08-0

General Information:

Soluble in water, glycerol; insoluble in ethyl acetate. Incompatible with oxidising agents, cyanides, allyl chlorides, metals (sodium and potassium).

Hazard and Safety Data

UN Group: III
Class: 8
UN Number: 2582
Hazchem code: 2X
CS MSDS Code: 1CHH9
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 37

Quality Specification

Assay: 40.0% min.

Specific Properties and Impurities [Typical levels]:

Specific gravity (@25°C)	≥ 1.45
Ferrous Chloride (as FeCl ₂)	≤ 0.25%
Iron (Fe)	≥ 14.0%
Free Acidity (as HCl)	≤ 0.3%
Cadmium	≤ 0.0005%
Chromium	≤ 0.01%
Copper	≤ 0.0025%
Lead	≤ 0.005%
Mercury	≤ 0.0002%
Nickel	≤ 0.0075%
Antimony	≤ 0.001%
Arsenic	≤ 0.001%
Aluminium	≤ 0.015%
Manganese	≤ 0.175%
Selenium	≤ 0.001%
Silver	≤ 0.005%
Zinc	≤ 0.075%

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