



Product Specification

Product Name: IRON(III) CHLORIDE Hexahydrate AR

Alternate Name(s) Ferric chloride hexahydrate; Ferric trichloride hexahydrate; Iron trichloride hexahydrate.

Description

Yellowish lumps. Usually slight odour of hydrogen chloride. Very hygroscopic.

Properties

Chemical Formula: $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

Molecular Weight: 270.30

Product Code: FA023

CAS No. 10025-77-1

General Information:

Readily soluble in alcohol, acetone and ether. Harmful if swallowed. Causes burns. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH3C

Poison schedule: Not scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0 - 102.0%

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.01%
Acidic substance	Passes test
Nitrate (NO ₃)	≤ 0.01%
Free chlorine (Cl)	≤ 0.001%
Nitrogen compounds (N)	≤ 0.001%
Phosphate (PO ₄)	≤ 0.01%
Sulfate (SO ₄)	≤ 0.01%
Heavy metals (as Pb)	≤ 0.005%
Substance not pptd by ammonia sol. (as SO ₄)	≤ 0.1%
Arsenic (As)	≤ 0.0005%
Calcium (Ca)	≤ 0.01%
Copper (Cu)	≤ 0.003%
Iron (II) (Fe)	≤ 0.002%
Zinc (Zn)	≤ 0.003%

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