

FERRIC CHLORIDE HEXAHYDRATE Extra Pure

Iron (III) chloride hexahydrate

Article No.	03819	Grade	Extra Pure
Purity	97%	CAS No.	10025-77-1
Molecular Formula	$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	Molecular Weight	270.30
H.S. Code	2827.3990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish lumps
Odour	Slight hydrochloric acid odour	Melting point/ Freezing point [°C]	37 °C
Boiling point [°C]	280 - 285 °C	Initial boiling point [°C]	280°C
Final boiling point [°C]	285 °C	Vapour pressure mm/Hg	1 mm Hg at 194 °C
Density [g/cm3]	1.820 g/cm3	Solubility in water [% weight]	Soluble in water

Specifications

Appearance	Yellow to yellow-orange/brown lumps or granular powder
Assay (iodometric)	Min 97%
Substance insoluble in HCl	Max 0.05%
Free acid (as HCl)	Max 0.2%
Free chlorine (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.05%
Total nitrogen (N)	Max 0.005%
Heavy metal (as Pb)	Max 0.005%
Arsenic (As)	Max 0.001%
Substance not precepitae by NH3 (as SO4)	Max 0.1%

Packings

500 g	00500
5000 g	05000

Safety Information

Symbol: GHS05, GHS07
Signal Word: Danger
UN No.: 3260

Hazard Symbols

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H290-H302-H315-H318

Precaution Statement: P280-P305 + P351 + P338



Revision Date : 18-Sep-2023

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