

FERROUS CHLORIDE HYDRATED Extra Pure

Iron(II) Chloride hydrate

Article No.	03846	Grade	Extra Pure
Purity	98%	CAS No.	23838-02-0
Molecular Formula	$\text{FeCl}_2 \cdot x\text{H}_2\text{O}$	Molecular Weight	126.75 (anhydrous basis)
H.S. Code	2827.4190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish green
Odour	Odorless	pH value	2.5 at 100 g/l at 20 °C
Melting point/ Freezing point [°C]	105 - 110 °C	Vapour pressure mm/Hg	13.3 mm Hg at 693 °C
Density [g/cm ³]	1.93 g/cm ³	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	-1.5		

Specifications

Appearance	Yellowish green colored crystals/powder
Assay	Min 98%
Sulphate (SO ₄)	Max 0.03%
Arsenic (As)	Max 0.0005%
Copper (Cu)	Max 0.005%
Lead (Pb)	Max 0.005%

Packings

500 g	00500
25 Kg	0025K

Safety Information

Symbol: GHS05, GHS07
Signal Word: Danger
UN No.: 3260
IMCO Class No.: 8
Packing Group: III
Hazardous Statement: H302-H314
Precaution Statement: P280-P305 + P351 + P338-P310

Hazard Symbols



Revision Date : 29-Sep-2020

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