

FERRIC CHLORIDE HEXAHYDRATE AR/ACS

PRODUCT CODE	528620
SYNONYMS	[Iron (III) chloride hexahydrate]
C.I. NO.	--
CASR NO.	(10025-77-1)
ATOMIC OR MOLECULAR FORMULA	FeCl ₃ .6H ₂ O
ATOMIC OR MOLECULAR WEIGHT	270.30
PROPERTIES	Usually slight odor of HCl; very hygroscopic . mp~37°C. Readily soluble in water, alcohol, acetone, ether.
PARAMETER	LIMIT
Description	Brownish yellow deliquescent masses.
Solubility	10% solution in hot dilute HCl and water is clear yellow in colour.
Minimum Assay (Iodometric)	98.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.01%
Acidity (HCl)	0.5%
Free chlorine (Cl)	0.001%
Nitrogen compounds (N)	0.002%
Phosphate (PO ₄)	0.01%
Sulphate (SO ₄)	0.01%
Calcium (Ca)	0.02%
Copper (Cu)	0.003%
Ferrous iron (Fe II)	0.015%
Lead (Pb)	0.005%
Magnesium (Mg)	0.03%
Manganese (Mn)	0.15%
Zinc (Zn)	0.01%
Note(s) : Assay (if applicable) method mentioned.	
WARNING	IMDG Code : 8/III UN No. : 3260 IATA : 8
HAZARD DANGER	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.
PRECAUTIONARY STATEMENTS	
Prevention:	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash. thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position. comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove. Contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re- use
Disposal :	The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber
Hazard Pictogram(s) :	
 GHS05  GHS07	

Replace Date 27-Dec-2025