

## FERRIC CHLORIDE HEXAHYDRATE AR/ACS

<b>PRODUCT CODE</b>	<b>528620</b>	
<b>SYNONYMS</b>	[Iron (III) chloride hexahydrate]	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(10025-77-1)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	FeCl <sub>3</sub> .6H <sub>2</sub> O	<b>FeCl<sub>3</sub>.6H<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	270.30	
<b>PROPERTIES</b>	Usually slight odor of HCl; very <b>hygroscopic</b> . 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	0.003%
Acidity (HCl)	0.5%
Free chlorine (Cl)	0.001%
Nitrogen compounds (N)	0.002%
Phosphate (PO <sub>4</sub> )	0.001%
Sulphate (SO <sub>4</sub> )	0.01%
Arsenic (As)	0.0005%
Calcium (Ca)	0.02%
Copper (Cu)	0.003%
Ferrous iron (Fe II)	0.01 5%
Lead (Pb)	0.005%
Magnesium (Mg)	0.03%
Manganese (Mn)	0.15%
Zinc (Zn)	0.01%

**Note(s) : Assay (if applicable) method mentioned.**

<p><b>WARNING</b>  <b>HAZARD DANGER</b> Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.</p> <p><b>PRECAUTIONARY STATEMENTS</b>  <b>Prevention:</b> 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.  <b>Response: IF SWALLOWED:</b> Call a POISON CENTER or doctor/physician if you feel unwell. <b>IF ON SKIN:</b> Wash with plenty of soap and water. <b>IF INHALED:</b> Remove victim to fresh air and keep at rest in a position comfortable for breathing. <b>IF IN EYES:</b> 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</p>	<p>IMDG Code : 8/III  UN No. : 3260  IATA : 8</p>
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**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