



AMMONIUM FERRIC SULPHATE DODECAHYDRATE

PRODUCT CODE	R01046	
SYNONYMS	Ammonium iron (III) sulphate, Iron alum	
C.I. NO.	—	
CASR NO.	7783-83-7	
ATOMIC OR MOLECULAR FORMULA	NH ₄ Fe(SO ₄) ₂ .12H ₂ O	
ATOMIC OR MOLECULAR WEIGHT	482.18	
PROPERTIES	Melting point -39°C; Lilac to violet, efflorescent crystals.	
PARAMETER	LIMIT	
Description	Pale violet or almost colourless crystals or crystalline powder.	
Solubility	10% solution in water is clear.	
Assay (Iodometric; ex Fe)	98-101%	
MAXIMUM LIMIT OF IMPURITIES		
Chloride (Cl)	0.005%	
Ferrous Iron	No reaction.	
Note(s) : Assay (if applicable) method mentioned.		
WARNING		IMDG Code :
Hazard statements :May be harmful if swallowed .		UN No. :
Precautionary statements		IATA :
Prevention : -----		
Response : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.		
Disposal : Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
Hazard Pictogram(s) :-		
	 GHS05	 GHS07

Replace Date 1 April 2023

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