

MANGANESE (II) SULPHATE MONOHYDRATE AR

PRODUCT CODE	569075	
SYNONYMS	Manganous sulphate	
C.I. NO.	--	
CASR NO.	(10034-96-5)	
ATOMIC OR MOLECULAR FORMULA	MnSO₄·H₂O	MnSO₄·H₂O
ATOMIC OR MOLECULAR WEIGHT	169.01	
PROPERTIES	Insoluble in alcohol.	
PARAMETER	LIMIT	
Description	Light pink coloured crystalline powder.	
Solubility	10% solution in water is clear.	
Identification	Passes test.	
Minimum Assay (Complexometric)	99.0%	
pH (of 5% aq. soln.)	3.5 - 5.0	
MAXIMUM LIMIT OF IMPURITIES		
Loss on ignition (at 500°C)	10 – 12%	
Water insoluble matter	0.01%	
Chloride (Cl)	0.001%	
Calcium (Ca)	0.25%	
Copper (Cu)	0.0005%	
Arsenic (As)	0.0004%	
Iron (Fe)	0.001%	
Lead (Pb)	0.001%	
Heavy metals (as Pb)	0.002%	
Magnesium (Mg)	0.005%	
Nickel (Ni)	0.002%	
Potassium (K)	0.08%	
Sodium (Na)	0.05%	
Zinc (Zn)	0.001 %	
Substances reducing iodine (I)	0.01%	
Substances reducing permanganate (O)	0.001%	
Sub. Not pptd by ammonium sulphide	0.5%	
Organic volatile impurities	Conforms/meets the requirement.	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements: Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. Toxic to aquatic life with long lasting effects Precautionary statements Prevention: Use only outdoors or in a well ventilated area. Do not breathe dust/fume/gas/mist/vapours/ spray. Avoid breathing dust/fume/gas/mist/ vapours/spray. Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. Specific treatment: refer to Label or MSDS.		IMDG Code : 9/III UN No. : 3077 IATA : 9.0
Disposal: Dispose of contents and container in accordance with relevant legislation.		

Hazard pictogram(s) :



GHS07



GHS08



GHS09