



# Product Specification

cdhfinechemical.com

## MAGNESIUM NITRATE HEXAHYDRATE AR/ACS

<b>PRODUCT CODE</b>	<b>568215</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	<b>(13446-18-9)</b>	
<b>ATOMIC OR MOLECULARFORMULA</b>	<b>Mg(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O</b>	<b>Mg(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O</b>
<b>ATOMIC OR MOLECULARWEIGHT</b>	<b>256.41</b>	
<b>PROPERTIES</b>	<b>Melting point ~ 95°C.</b>	

<b>PARAMETER</b>	<b>LIMIT</b>
Description	Colourless crystals or white deliquescent crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Complexometric)	99.0%
pH (5% solution in water)	5.0 – 8.2

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Insoluble matter	0.005%
Ammonium (NH <sub>4</sub> )	0.003%
Chloride (Cl)	0.001%
Phosphate (PO <sub>4</sub> )	0.0005%
Sulphate (SO <sub>4</sub> )	0.002%
Arsenic (As)	0.0001%
Barium (Ba)	0.005%
Calcium (Ca)	0.01%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.0005%
Manganese (Mn)	0.0005%
Potassium (K)	0.005%
Sodium (Na)	0.005%
Strontium (Sr)	0.005%

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

<p><b>DANGER</b></p> <p><b>Hazard statements:</b> May cause respiratory irritation. May intensify fire; oxidizer. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.</p> <p><b>Precautionary statements</b></p> <p><b>Prevention:</b> Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.</p> <p><b>Response:</b> If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><b>Disposal:</b> The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.</p>	<p>IMDG Code : 5.1/III</p> <p>4UN No. : 1474</p> <p>IATA : 5.1</p>
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Hazard Pictogram(s) :-



Replace Date 03/07/2020