



# Product Specification

## Product Name: **MAGNESIUM NITRATE Hexahydrate AR**

Alternate Name(s) **MAGNESIUM NITRATE**

### Description

Colourless or white crystals.

### Properties

Chemical Formula:

Molecular Weight: 256.41

Product Code: MA041

CAS No. 13446-18-9

### General Information:

Soluble in water. Freely soluble in alcohol. Incompatible with reducing agents, acids and metal powders. May be harmful.

### Hazard and Safety Data

UN Group:

Class:

UN Number:

Hazchem code:

CS MSDS Code: 1CH42

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.:

### Quality Specification

Assay: 98.0% min.

### Specific Properties and Impurities [Typical levels]:

pH of a 5% solution (@ 25°C)	5.0-8.2
Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.001%
Phosphate (PO4)	≤ 0.0005%
Sulfate (SO4)	≤ 0.005%
Ammonium (NH4)	≤ 0.003%
Heavy metals (as Pb)	≤ 0.0005%
Barium (Ba)	≤ 0.005%
Calcium (Ca)	≤ 0.01%
Iron (Fe)	≤ 0.0005%
Manganese (Mn)	≤ 0.0005%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.005%
Strontium (Sr)	≤ 0.005%

CONFORMS TO ACS

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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