

Product Specification

Product Name: **MAGNESIUM CHLORIDE Hexahydrate AR**

Alternate Name(s) Magnesium Chloride

Description

White crystalline powder. Deliquescent. Loses 2H₂O at 100 °C; if heated rapidly melts at 116-118 °C.

Properties

Chemical Formula: **MgCl₂•6H₂O**

Molecular Weight: 203.3

Product Code: **MA029**

CAS No. **7791-186**

General Information:

Soluble in water and alcohol. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH40

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0-102.0%

Specific Properties and Impurities [Typical levels]:

Insoluble matter	≤ 0.005%
Nitrate (NO ₃)	≤ 0.001%
Phosphate (PO ₄)	≤ 0.0005%
Manganese (Mn)	≤ 0.0005%
Sulfate (SO ₄)	≤ 0.002%
Ammonia (NH ₄)	≤ 0.002%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.005%
Strontium (Sr)	≤ 0.005%
Calcium (Ca)	≤ 0.01%
Iron (Fe)	≤ 0.0005%
Heavy Metals (Pb)	≤ 0.0005%

CONFORMS TO ACS

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