# 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:

Molecular Weight: 203.3

General Information:

Soluble in water and alcohol. Non combustible material.

Product Code: MA029

CAS No.: 7791-18-6

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

Typical Assay: 99.0-101.0%

Specific Properties and Impurities [Typical levels]:

| | |
|---|---|
| Alcohol insoluble matter | Passes test |
| Water insoluble matter | ≤ 0.005% |
| pH of 5% solution | 5.0 - 6.5 |
| Sulfate (SO4) | ≤ 0.002% |
| Arsenic (As) | ≤ 0.0002% |
| Calcium (Ca) | ≤ 0.01% |
| Iron (Fe) | ≤ 0.0005% |
| Heavy metals (Pb) | ≤ 0.0005% |
| Acidity or alkalinity | NMT 0.3ml of 0.01M HCl/NaOH required |
| Bromide (Br) | ≤ 0.05% |

CONFORMS TO ACS

**Chem-Supply Pty Ltd - An ISO 9001 Accredited Company**

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