



Product Specification

Product Name: **MAGNESIUM CARBONATE Light AR**

Alternate Name(s) Magnesium hydroxide carbonate; magnesium carbonate basic; magnesium carbonate hydroxide.
Description
Light white powder; odourless.

Properties

Chemical Formula: $3\text{MgCO}_3 \cdot \text{Mg}(\text{OH})_2 \cdot 3\text{H}_2\text{O}$
Molecular Weight: 365.31

Product Code: MA043
CAS No. 39409-82-0

General Information:

Insoluble in water, alcohol, acetone and ammonia. Soluble in acids. Incompatible with acids. May cause discomfort and diarrhoea. 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: 1CHJ3
Poison schedule: Not Scheduled
Emergency Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

Quality Specification

Assay: 40.0 - 45.0% as MgO

Specific Properties and Impurities [Typical levels]:

Specific gravity	1.45
Melting point	700°C (decomposes)
Acid insolubles	≤ 0.10%
Calcium oxide (CaO)	≤ 1.00%
Iron(III) oxide (Fe ₂ O ₃)	≤ 0.10%
Heavy Metals	≤ 0.002%
Chloride (Cl)	≤ 0.15%
Arsenic (As)	≤ 0.0003%

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