



Product Specification

Product Name: MAGNESIUM OXIDE Light AR

Alternate Name(s) Magnesium (II) oxide; magnesia.

Description

Light fluffy white powder.

Properties

Chemical Formula: MgO

Molecular Weight: 40.3

Product Code: MA030

CAS No. 1309-48-4

General Information:

Slightly soluble in water. Soluble in acids and ammonium salt solution. Incompatible with acids and interhalogens; reacts violently with chlorine trifluoride and PCl_5 . Non combustible.

Quality Specification

Assay: 95% min.

Specific Properties and Impurities [Typical levels]:

| | |
|---------------------------|-----------|
| Insolubles in Acetic Acid | ≤ 0.1% |
| Sulfate | ≤ 0.75% |
| Calcium | ≤ 1.5% |
| L.O.I. (1000 °C) | ≤ 5.0% |
| Iron | ≤ 0.1% |
| Heavy metals (as Pb) | ≤ 0.003% |
| Arsenic | ≤ 0.0004% |
| Chloride | ≤ 0.15% |
| Soluble in Water | ≤ 2.0% |
| Apparent density loose | 144 g/l |
| Boiling Point | 3600 °C |
| Melting Point | 2800 °C |

Hazard and Safety Data

| | |
|-----------------------------------|----------------|
| UN Group: | None Allocated |
| Class: | None Allocated |
| UN Number: | None Allocated |
| Hazchem code: | None Allocated |
| CS MSDS Code: | 1CH43 |
| Poison schedule: | Not Scheduled |
| Emergency Procedure Guide No.: | N/A |

Not classified as hazardous according to the criteria of ASCC.

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