AQUABOND
Chemistry for Tomorrow

Summary Technical Data Sheet

Magnesium Oxide

Product Name: Magnesium Oxide

CAS Number: 1309-48-4

Formula: MgO

Molecular weight: 40.30 g/mol

Appearance: white powder

Density: 3.6 g/cm^3

Typical Product Specifications

Assay (MgO)	≥ 96.5 %
CaO	≤ 1.8 %
Fe_2O_3	≤ 0.6 %
Al_2O_3	≤ 0.2 %
SiO_2	≤ 0.3 %
Loss on ignition, wt.%	≤ 1.5 %

Magnesium Oxide is a white mineral powder with very high thermal stability, with applications in the refractory industry for heating elements, water treatment, construction materials, fireproofing, and environmental remediation.

Magnesium oxide is widely used in the treatment of drinking water, wastewater, groundwater, soil and waste treatment. It has a good acid buffering capacity and capacity to stabilize heavy metals.

Magnesium Oxide is an excellent wastewater treatment agent and works effectively for pH adjustment and removal of phosphates.

Magnesium Oxide is an effective fireproofing agent used in construction materials. In construction, magnesium oxide wallboards have multiple advantages: fire resistance, moisture resistance, mold and mildew resistance, termite resistance, and good strength.

Storage and Handling: Keep containers tightly closed in a cool, dark, ventilated place.

Packaging: 50 lb / 22.68 kg

Transport Regulations: Not regulated as dangerous goods (for reference only).

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.
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