



MAGNESIUM

OXIDE POWDER

    /nanoshel

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MAGNESIUM

O X I D E P O W D E R

Magnesium oxide is used as a supplement to maintain adequate magnesium in the body. Magnesium oxide is also used as an antacid to treat indigestion, or as a laxative to relieve occasional constipation. Magnesium oxide is used extensively in the soil and groundwater remediation, wastewater treatment, drinking water treatment, air emissions treatment, and waste treatment industries for its acid buffering capacity and related effectiveness in stabilizing dissolved heavy metal species. Many heavy metals species, such as lead and cadmium are most soluble in water at acidic pH (below 6) as well as high pH (above 11). Solubility of

metals affects bioavailability of the species and mobility soil and groundwater systems. Most metal species are toxic to humans at certain concentrations, therefore it is imperative to minimize metal bioavailability and mobility.

Magnesium oxide is used for relief of heartburn and dyspepsia, as an antacid, magnesium supplement, and as a short-term laxative. It is also used to improve symptoms of indigestion. Side effects of magnesium oxide may include nausea and cramping. In quantities sufficient to obtain a laxative effect, side effects of long-term use include enteroliths resulting in bowel obstruction



Quick F A C T S

Product : Magnesium Oxide Powder

Stock No : NS6130-12-000148

CAS : 1309-48-4

Color :

Form : Powder

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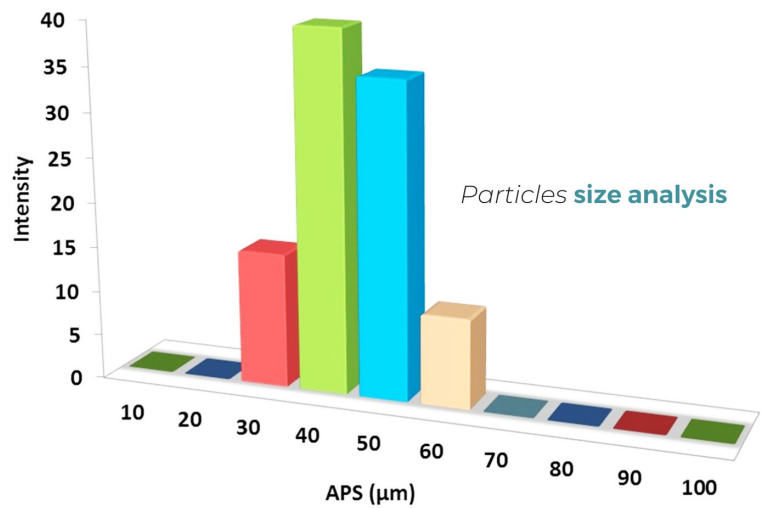


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APPLICATIONS

- ✓ High-density magnetic storage media
- ✓ Catalysts
- ✓ Ion exchange
- ✓ Molecular adsorption
- ✓ Electrochemical materials
- ✓ Solar energy transformation



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-12-000148	99%	40-50nm

Technical Specification

Molecular Formula	Molecular Weight	Melting Point	Boiling Point
MgO	40.30 g/mol	2,852 °C	3,600 °C

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Chemical Composition

Product	Weight Percent (nominal)	
	MgO	Other Metal
Magnesium Oxide Powder	99%	0.1%

Properties

- ✓ Chemical Formula: MgO
- ✓ CAS No.: 1309-48-4

Ordering Information and Stock Availability

- ✓ Product: Magnesium Oxide Powder
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-05-507A

are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/lanthanum-oxide-powder>

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