

# Magnesium Oxide Powder



APS  
50-70 $\mu$ m



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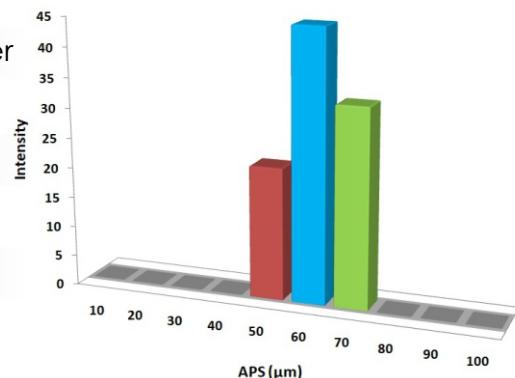
NS6130-12-000148

# Magnesium Oxide Powder

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.

## Quick Facts

Product	:	Magnesium Oxide Powder
Stock No	:	NS6130-12-000148
CAS	:	1309-48-4
Purity	:	99%
Form	:	Powder



## Technical Specification

Formula	APS	Molecular Weight	Melting Point
MgO	50-70µm	40.30 g/mol	2,852 °C

## Chemical Composition

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

## Applications

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

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