



# MAGOX® 98 HR

## Magnesium Oxide Powder

### PRODUCT DESCRIPTION

MAGOX® 98 HR is a finely sized, synthetic high-purity magnesium oxide produced from deep well brine. It is designed specifically for chemical processes where a rapid reaction rate and high purity is required.

### CUSTOMER BENEFITS

MAGOX 98 HR delivers value through:

- Consistent product quality
- Vertically integrated manufacturing
- Being a domestically manufactured material

### APPLICATIONS

- Wastewater neutralization
- Metal precipitation
- Silica removal
- Magnesium salt production
- Acid gas scrubbing
- Fertilizer production
- FCC additive catalyst production
- Oil drilling fluids
- Motor oil additive production

### PACKAGING

MAGOX 98 HR is shipped in bulk, 25 kg bags and 1,000 kg super sacks.

### CHEMICAL ANALYSIS (%)

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
LOI (1000°C)	3.0	5.0	
MgO	98.2		97.0
SiO <sub>2</sub>	0.35	0.5	
Fe <sub>2</sub> O <sub>3</sub>	0.15	0.3	
Al <sub>2</sub> O <sub>3</sub>	0.10	0.2	
CaO	0.80	1.0	
Cl	0.30	0.5	
SO <sub>3</sub>	0.05	0.3	

(Ignited Oxide Basis)

### PHYSICAL PROPERTIES

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
S.S.A (m <sup>2</sup> /g)	65	76	52
Caustic Magnesia Reactivity (sec)	8		
Median Particle Size (micron)	5		
<u>Bulk Density (lb/ft<sup>3</sup>)</u>			
Loose	22		
Tapped	32		
<u>Screen Analysis (wt.%)</u>			
-100 Mesh			99.9
-325 Mesh	99.5		99.0

### PRODUCT STORAGE

Magnesium oxide powder is hygroscopic and exposure to external moisture may cause hardening. The product should be stored in an appropriate and dry location. Please contact Premier personnel with any questions.

Product manufactured in the USA

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