



MAGOX® 98 LR

Magnesium Oxide Powder

PRODUCT DESCRIPTION

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

Product manufactured in the USA

MAGOX® is a registered trademark of Premier Magnesia, LLC

Premier Magnesia, LLC, 1275 Drummers Lane, Suite 102, Wayne, PA 19087

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Disclaimer: The information provided in this Product Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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CHEMICAL ANALYSIS (%)

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
LOI (1000°C)	2.0	3.0	
MgO	98.2		97.0
SiO ₂	0.35	0.5	
Fe ₂ O ₃	0.15	0.3	
Al ₂ O ₃	0.10	0.2	
CaO	0.80	1.0	
Cl	0.30	0.5	
SO ₃	0.05	0.3	

(Ignited Oxide Basis)

PHYSICAL PROPERTIES

	<u>Typical</u>	<u>Max</u>	<u>Min</u>
S.S.A (m ² /g)	30		
Caustic Magnesia Reactivity (sec)	13	16	10
Median Particle Size (micron)	5		
<u>Bulk Density (lb/ft³)</u>			
Loose	22		
Tapped	32		
<u>Screen Analysis (wt.%)</u>			
-325 Mesh	99.0		95.0

PRODUCT STORAGE

Magnesium oxide powder is hygroscopic and exposure to external moisture may cause hardening. The product 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.