



# MagChem® 30

## Light Burned Magnesium Oxide

<b>DESCRIPTION</b>	MagChem 30 is a high purity, light burned magnesium oxide produced from magnesium-rich brine and dolomitic lime. This fine white powder has a high reactivity index and a low bulk density.		
<b>USES</b>	MagChem 30 is used extensively as a magnesia source where high purity, controlled, moderate reactivity are important. MagChem 30 applications include sugar processing, magnesium salts, lubrication oil additives, and fuel additives.		
<b>COMPOSITION</b>		<b><u>Typical</u></b>	<b><u>Specification</u></b>
	Magnesium Oxide (MgO), % ignited basis	98.4	97.0 min.
	Calcium Oxide (CaO), %	0.84	1.0 max.
	Silicon Oxide (SiO <sub>2</sub> ), %	0.28	0.5 max.
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), %	0.14	0.3 max.
	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ), %	0.09	0.2 max.
	Chloride (Cl), %	0.22	0.5 max.
	Sulfate (SO <sub>3</sub> ), %	0.02	0.3 max.
	Loss on Ignition, %	1.2	2.5 max.
<b>PHYSICAL PROPERTIES</b>		<b><u>Typical</u></b>	<b><u>Specification</u></b>
	Loose Bulk Density, lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	22 (0.35)	
	Median Particle Size, micron	3 - 8	
	Surface Area, m <sup>2</sup> /g	20 - 30	
	Activity Index, seconds	18	16 - 21
	% Passing 325 mesh	99.8	95 min.
<b>PACKAGING</b>	Martin Marietta Magnesia Specialties offers a variety of packaging options, including bulk (truck and railcar), bags, and bulk sacks. Please contact a sales representative for information on available packaging options.		
<b>STORAGE</b>	Store in dry place. Exposure to moisture may cause caking.		

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#### Martin Marietta Magnesia Specialties, LLC

2700 Wycliff Road, Suite 320  
Raleigh, North Carolina 27607 USA  
Phone: (800) 648-7400  
[www.magnesiaspecialties.com](http://www.magnesiaspecialties.com)



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