



# MagChem® MH 10 LC

## Specialty Grade

## Magnesium Hydroxide

## Powder

DESCRIPTION	MagChem MH 10 LC magnesium hydroxide is a fine white powder with high purity and low calcium chemistry produced from magnesium-rich brine and dolomitic lime.		
USES	MagChem MH 10 LC is suitable for use in production of magnesium salts, specialty fuel additives, and other general purpose chemical applications when low calcium levels are desirable.		
COMPOSITION		<u>Typical</u>	<u>Specification</u>
	Magnesium Hydroxide (Mg(OH) <sub>2</sub> ), %	99.1	98.0 min.
	Magnesium Oxide (MgO), % (equivalent)	68.5	67.7 min.
	Calcium Oxide (CaO), %	0.27	0.35 max.
	Silicon Oxide (SiO <sub>2</sub> ), %	0.20	0.35 max.
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ), %	0.10	0.20 max.
	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> ), %	0.07	0.15 max.
	Chloride (Cl), %	0.21	0.35 max.
	Sulfate (SO <sub>3</sub> ), %	0.01	0.25 max.
	Loss on Ignition, %	31.0	29.0 min.
	Free Moisture, %	0.4	1.5 max.
PHYSICAL PROPERTIES (TYPICAL)		<u>Typical</u>	
	Surface Area, m <sup>2</sup> /g	11	
	% Passing 325 mesh	99.9	
	Median Particle Size, micron	1.5	
	Loose Bulk Density, lb/ft <sup>3</sup>	22	
	Tapped Bulk Density, lb/ft <sup>3</sup>	36	
PACKAGING	Martin Marietta Magnesia Specialties offers a variety of packaging options, including bags, and bulk sacks. Please contact a sales representative for information on available packaging options.		
STORAGE	Store in a dry location. Exposure to moisture may cause caking. Reseal opened containers.		

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