



# MagChem® MH 10 LC Specialty Grade Magnesium Hydroxide Powder

<b>DESCRIPTION</b>	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.		
<b>USES</b>	MagChem MH 10 LC is suitable for use in production of magnesium salts, ceramics, specialty fuel additives, and other general purpose chemical applications when low calcium levels are desirable.		
<b>COMPOSITION</b>		<b>Typical</b>	<b>Specification</b>
	Magnesium Hydroxide (Mg(OH) <sub>2</sub> ), %	98.6	98.0 min.
	Magnesium Oxide (MgO), % (equivalent)	68.1	67.7 min.
	Calcium Oxide (CaO), %	0.31	0.35 max.
	Silicon Oxide (SiO <sub>2</sub> ), %	0.25	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), %	0.20	0.35 max.
	Sulfate (SO <sub>3</sub> ), %	0.15	0.25 max.
	Loss on Ignition, %	30.5	29.0 min.
	Free Moisture, %	0.5	1.5 max.
<b>PHYSICAL PROPERTIES (TYPICAL)</b>		<b>Typical</b>	
	Surface Area, m <sup>2</sup> /g	12	
	% Passing 325 mesh	99.6	
	Median Particle Size, micron	2	
	Loose Bulk Density, lb/ft <sup>3</sup>	22	
	Tapped Bulk Density, lb/ft <sup>3</sup>	36	
<b>PACKAGING</b>	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.		
<b>STORAGE</b>	Store in a dry location. Exposure to moisture may cause caking. Reseal opened containers.		

NOTICE: THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. ANY RECOMMENDATIONS OR SUGGESTIONS MADE ARE WITHOUT WARRANTY OR GUARANTEE OF RESULTS SINCE CONDITIONS OF HANDLING AND OF USE ARE BEYOND OUR CONTROL; WE THEREFORE, ASSUME NO LIABILITY FOR LOSS OR DAMAGE INCURRED BY FOLLOWING THESE SUGGESTIONS. SELLER WARRANTS ONLY THAT THIS PRODUCT WILL MEET THE SPECIFICATIONS SET FORTH. ANY OTHER REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, IS SPECIFICALLY DISCLAIMED INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. SELLERS AND MANUFACTURERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE. BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR USERS INTENDED APPLICATION AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE IN TORT, CONTRACT OR UNDER ANY THEORY FOR ANY LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.

#### Martin Marietta Magnesia Specialties, LLC

8140 Corporate Drive, Suite 220  
Baltimore, Maryland 21236 USA  
Phone: (800) 648-7400 or (410) 780-5500  
Fax: (410) 780-5777  
Email: [MagChem@martinmarietta.com](mailto:MagChem@martinmarietta.com)  
[www.magnesiaspecialties.com](http://www.magnesiaspecialties.com)



MagChem® is a trademark of  
Martin Marietta Magnesia Specialties, LLC

QUALITY SYSTEM  
ISO 9001 CERTIFIED