



# MagChem® MH 10

## Specialty Magnesium Hydroxide Powder

DESCRIPTION	MagChem MH 10 magnesium hydroxide is a fine, high purity white powder produced from magnesium-rich brine and dolomitic lime.		
USES	MagChem MH 10 is suitable for use in production of magnesium salts, ceramics, and other specialty chemical applications.		
COMPOSITION		<u>Typical</u>	<u>Specification</u>
	Magnesium Hydroxide (Mg(OH) <sub>2</sub> ), %	98.7	98.0 min.
	Magnesium Oxide (MgO), % (equivalent)	68.2	67.7 min.
	Calcium Oxide (CaO), %	0.61	0.70 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> ), %	0.06	0.15 max.
	Chloride (Cl), %	0.30	0.35 max.
	Sulfate (SO <sub>3</sub> ), %	0.01	0.25 max.
	Loss on Ignition, %	31	29.0 min.
	Free Moisture, %	0.4	1.5 max.
PHYSICAL PROPERTIES		<u>Typical</u>	<u>Specification</u>
	Surface Area, m <sup>2</sup> /g	11	7 – 18
	% Passing 325 mesh	99.9	99.0 min.
	Median Particle Size, micron	4	2 – 8
	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 place. Exposure to moisture may cause caking.		

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