

# UTILIMAG<sup>®</sup> H

Magnesium Hydroxide Slurry

## UtiliMag<sup>®</sup> H Magnesium Hydroxide Slurry

<b>DESCRIPTION</b>	UtiliMag H is a concentrated, stabilized aqueous suspension of magnesium hydroxide with excellent flow and storage properties. UtiliMag H is produced from magnesium-rich brine and dolomitic lime at our Manistee, MI plant.		
<b>USES</b>	UtiliMag H is used in environmental applications such as SO <sub>2</sub> and SO <sub>3</sub> flue gas scrubbing, backend boiler treatment for corrosion and opacity control, and neutralization of wet ESP acidic effluent.		
<b>CHEMICAL AND PHYSICAL PROPERTIES</b>	<b><u>Aqueous Suspension</u></b>	<b><u>Typical</u></b>	<b><u>Specification</u></b>
	Dry Solids, %	60.0	58.5 min.
	Bulk Density, lb/gal	12.8	12.5 min.
	Mg(OH) <sub>2</sub> Contained, lb/gal	7.7	---
	Viscosity, (Brookfield VT, 100 rpm), cps	200	70 - 600
	Freeze Point, °C	0	---
	<b><u>Dry Solids Basis</u></b>	<b><u>Typical</u></b>	<b><u>Specification</u></b>
	Mg(OH) <sub>2</sub> , %	98.6	98.2 min.
	Median Particle Size, micron	2.0 – 4.0	---
	% Passing 325 mesh	99.8	99.0 min.
<b>PACKAGING</b>	Martin Marietta Magnesia Specialties offers its magnesium hydroxide slurry products in bulk shipments (railcar and truck) only. Tote and drum quantities can be supplied by Martin Marietta authorized distributors.		
<b>STORAGE</b>	Mild steel vessels. Extended storage requires intermittent agitation and freeze protection.		

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### 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)

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