



# FloMag® H

## Magnesium Hydroxide Slurry for Wastewater Treatment

<b>DESCRIPTION</b>	FloMag H is a concentrated, stabilized aqueous suspension of magnesium hydroxide with excellent flow and storage properties.		
<b>USES</b>	FloMag H is used in wastewater treatment for acid neutralization, biological wastewater, and heavy metal removal, sugar and chemical processing, and other industrial applications.		
<b>CHEMICAL AND PHYSICAL PROPERTIES</b>	<b><u>Aqueous Suspension</u></b>	<b><u>Typical</u></b>	<b><u>Specification</u></b>
	Dry Solids, %	60.9	58.5 min.
	Bulk Density, lb/gal	12.8	12.6 min.
	Mg(OH) <sub>2</sub> , Contained, lb/gal	7.7	---
	Viscosity, (Brookfield VT, 100 rpm), cps	183	70 - 600
	Freeze Point, °C	0	
	<b><u>Dry Solids Basis</u></b>		
	Mg(OH) <sub>2</sub> %	98.7	98.5 min.
	CaO, %	0.6	---
	Median Particle Size, microns	2.5	---
% Passing 325 mesh	99.9	99.0 min.	
<b>EQUIVALENTS</b>	<b><u>(Dry Solids Basis)</u></b>		
Caustic Soda (NaOH)	=	1 lb Equivalent to 0.73 lb Mg(OH) <sub>2</sub>	
Soda Ash (Na <sub>2</sub> CO <sub>3</sub> )	=	1 lb Equivalent to 0.55 lb Mg(OH) <sub>2</sub>	
Lime (CaO), (Typical 94%)	=	1 lb Equivalent to 0.98 lb Mg(OH) <sub>2</sub>	
Hydrated Lime (Ca(OH) <sub>2</sub> )	=	1 lb Equivalent to 0.79 lb Mg(OH) <sub>2</sub>	
<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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