



FloMag® HUS

Magnesium Hydroxide Slurry for Wastewater Treatment

DESCRIPTION	FloMag HUS is a concentrated, extra stable, aqueous suspension of magnesium hydroxide with excellent flow and storage properties. FloMag HUS slurry is specially designed for prolonged stability for sales in drums, totes or in long-term bulk storage.		
USES	FloMag HUS is used in wastewater treatment for acid neutralization, biological wastewater, and heavy metals removal, sugar and chemical processing, and other industrial applications.		
CHEMICAL AND PHYSICAL PROPERTIES	<u>Aqueous Suspension</u>	<u>Typical</u>	<u>Specification</u>
	Dry Solids, %	61.0	58.5 min.
	Bulk Density, lb/gal	12.8	12.6 min.
	Mg(OH) ₂ , Contained, lb/gal	7.7	---
	Viscosity, (Brookfield VT, 100 rpm), cps	200	70 - 300
	Freeze Point, °C	0	
	<u>Dry Solids Basis</u>		
	Mg(OH) ₂ , %	98.8	98.5 min.
	CaO, %	0.6	---
	Median Particle Size, microns	3.0	---
	% Passing 325 mesh	99.8	99.5 min.
EQUIVALENTS	<u>(Dry Solids Basis)</u>		
	Caustic Soda (NaOH)	=	1 lb Equivalent to 0.73 lb Mg(OH) ₂
	Soda Ash (Na ₂ CO ₃)	=	1 lb Equivalent to 0.55 lb Mg(OH) ₂
	Lime (CaO), (Typical 94%)	=	1 lb Equivalent to 0.98 lb Mg(OH) ₂
	Hydrated Lime (Ca(OH) ₂)	=	1 lb Equivalent to 0.79 lb Mg(OH) ₂
PACKAGING	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.		
STORAGE	Mild steel vessels. Extended storage requires intermittent agitation and freeze protection.		

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