



CellGuard® MH

Magnesium Hydroxide Powder for Pulp Bleaching

DESCRIPTION	CellGuard MH is a fine, white high purity magnesium hydroxide powder produced from magnesium-rich brine and dolomitic lime. It contains lower levels of transition metals as compared to naturally occurring minerals.		
USES	CellGuard MH can be used as a cellulose protector in oxygen bleaching systems, as an alkali source in mechanical and recycled pulp peroxide bleaching, and as a partial substitute for caustic soda in the extraction stages of chemical pulp bleaching.		
CHEMICAL AND PHYSICAL PROPERTIES	Dry Solids Basis	Typical	Specification
	Mg(OH) ₂ purity, %	98.8	98.6 min.
	Fe, %	0.07	0.14 max.
	Mn, ppm	100	120 max.
	Cu, ppm	1	10 max.
	Loss on Ignition, %	30.5	29.5 min.
	Median Particle Size, microns	3	---
	% Passing 325 mesh	99.9	99.0 min.
	Loose Bulk Density, lb/ft ³	22	---
EQUIVALENTS	(All Chemicals Shown on 100% basis)		
	MgSO ₄ =	1.00 lb Equivalent to 0.48 lb Mg(OH) ₂	
	NaOH =	1.00 lb Equivalent to 0.73 lb Mg(OH) ₂	
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 dry place. Exposure to moisture may cause caking.		

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QUALITY SYSTEM
 ISO 9001 CERTIFIED