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GOOD PEOPLE, GREAT SCIENCE

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TECHNICAL DATA SHEET

MAGNESIUM HYDROXIDE

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Description

Magnesium Hydroxide is a chemically precipitated grade of magnesium hydroxide made from magnesium-rich brine and dolomitic lime. It is designed for non-halogen flame retardant applications and can be processed in plastics at higher temperatures than alumina trihydrate. The fatty acid coating is bonded to magnesium hydroxide and covers 40% of the surface allowing for the use of other processing aids.

Composition

	<u>Typical</u>	<u>Specification</u>
Magnesium Hydroxide (Mg(OH) ₂), %	98.8	98.5 min.
Chloride (Cl), %	0.26	0.32 max.
Loss on Drying, %	0.4	0.75 max.
Loss on Ignition, %	30.9	30.0 min.

Physical Properties

	<u>Typical</u>	<u>Specification</u>
Median Particle Size, micron	4.5	3 – 6
Surface Area, m ² /g	12	8 - 16
Specific Gravity	2.36	
Loose Bulk Density, g/ml	0.40	
Mohs Hardness	2.5	

Storage

Store in a dry location. Exposure to moisture may cause caking.