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ISO 9001-2000  
REGISTERED

## MAGNESIUM HYDROXIDE

Magnesium Hydroxide is a medium particle size magnesium hydroxide. It is recommended as a flame retardant in rubber and plastics. Its high water content (30%) provides both an inert gas blanket and a good heat sink because of the high heat of vaporization of water. It has an advantage over other flame retardants since its decomposition temperature is relatively high, (above 600°F), thus allowing it to be incorporated into systems processed at very high temperatures.

Magnesium Hydroxide has also found application as a latent base for the vulcanization systems of chlorinated polymers including chlorinated polyethylene.

### TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

Mg(OH) <sub>2</sub> Assay, % (Dry Basis)	95.0
Calcium, %	1.0
* Average Particle Size (microns)	20
Surface Area m <sup>2</sup> /g	35.0
Moisture, @ 110°C, %	2.0
Ignition Loss	32.0
Screen through 100 Mesh, %	100
Specific Gravity	2.3
Bulk Density	25 lbs/cu. ft.

\* Microtrac Procedure

Magnesium Hydroxide is distributed by Harwick Standard Distribution Corporation.

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