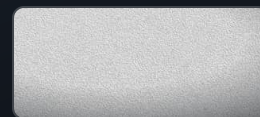




Magnesium Hydroxide



PRODUCT DESCRIPTION

Magnesium hydroxide's low solubility is precisely why treatment plants choose it. It cannot drive pH much above roughly 9, so it neutralizes acid steadily and self-limits — where an overdose of caustic soda or lime can spike a discharge out of permit in minutes. It also produces a denser, more easily dewatered sludge.

TYPICAL SPECIFICATIONS

PROPERTY	VALUE	BASIS
Chemical formula	$Mg(OH)_2$	Per standard
$Mg(OH)_2$ content	95% minimum typical	Typical
Form available	Dry powder · 58–62% slurry	Typical
Appearance	White powder or white slurry	Typical
Self-limiting pH	≈9.0 maximum in solution	Typical
Neutralizing capacity	≈1.4× lime per unit mass typical	Typical

PRINCIPAL INDUSTRIAL APPLICATIONS



Industrial Wastewater

Neutralizes acidic waste streams and precipitates heavy metals without the pH overshoot risk of caustic soda, producing denser, faster-settling sludge.



Flue Gas & Emissions

Scrubbing reagent for SO_2 and acid gas removal in industrial emission control systems.



Municipal Treatment

Alkalinity supplementation and odor and corrosion control in collection systems and treatment plants.

PACKAGING & AVAILABILITY

- 50 lb bags

HANDLING & STORAGE

Low hazard and non-caustic in normal handling — a key practical advantage over lime. Store slurry above freezing and agitate periodically to prevent settling.

A Safety Data Sheet (SDS) is available for this product on request and should be reviewed before handling.

ORDERING & TECHNICAL SUPPORT

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IMPORTANT NOTICE

The information in this data sheet is provided in good faith and is believed accurate at the date of issue. Values marked "Typical" represent commercial norms and are not a specification; the certificate of analysis for your specific shipment governs. Values marked "Per standard" are requirements of the cited standard. Mix Minerals makes no warranty, express or implied, regarding suitability for any particular application. The user is responsible for determining suitability and for safe handling in accordance with the applicable Safety Data Sheet.