

Technical Data Sheet

BruMag Slurry (Magnesium Hydroxide Slurry)

Product Description: BruMag Slurry is a Magnesium Hydroxide Slurry manufactured from natural Brucite. It has many uses in chemical processing, water treatment; (Acid Neutralization, Soluble Metals Reduction); Gas Stream Purification, (SO₂ Removal); Boiler slag control; Odor control in waste water; Non-hazardous replacement for Caustic Soda, (NaOH) for use in pH control of waste water treatment systems.

Physical Properties:

pH Value	9.8—10.2
Median Particle Size	>10 Microns
Passing 325 Mesh	99%
50% Liquid Solution	
Specific Gravity	1.48
Density, lbs./gal.	12
Viscosity, cps	~400 cps

CO₂ Intensity (emissions) associated with Mg(OH)₂:

100 lb. Magnesium Hydroxide Brucite (Natural source) = 0.84 lbs. of CO₂
 100 lb. Calcined Magnesite (MgO) = 63.7 lbs. of CO₂
 100 lb. Magnesium from Brine/Seawater (Synthetic) = 38.0 lbs. of CO₂

Specifications for Liquid (slurry):

A 50% solution has the viscosity of a thin latex paint. Recirculation or mechanical mixing is required for bulk storage.

Available Packaging:

Liquid bulk and 250 gallon totes. DMI can also provide on-site storage

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