

# Magnesium Hydroxide Mg(OH)<sub>2</sub>

## INFORMATION

Concentrated, stabilized magnesium hydroxide aqueous suspension.  
Produced from selectively mined natural magnesium hydroxide.

## APPLICATIONS

The product is recommended for acid neutralization, wastewater treatment, heavy metal precipitation, reduction of odor and corrosion in sewage systems and flue gas desulphurization.

## STORAGE

For long term storage periodic agitation of the suspension is necessary.  
Store at the warehouse/vessel with temperature above the freezing point.

## SAFETY

Refers to low-hazard substances; fire- and explosion-proof, non-toxic.

Equivalents (dry solids basis)	
CaCO <sub>3</sub> (calcium carbonate)	= 1.0 mt Equivalent to 0.58 mt Mg(OH) <sub>2</sub>
Na <sub>2</sub> CO <sub>3</sub> (soda ash)	= 1.0 mt Equivalent to 0.55 mt Mg(OH) <sub>2</sub>
NaOH (caustic soda)	= 1.0 mt Equivalent to 0.73 mt Mg(OH) <sub>2</sub>
Ca(OH) <sub>2</sub> (hydrated lime)	= 1.0 mt Equivalent to 0.79 mt Mg(OH) <sub>2</sub>

Note: Please, advise and follow the existing guideline from your scrubbers system on the operation.

Code: 161165516



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### Aqueous Suspension

DrySolids,%	58.0 min
Density, kg/m <sup>3</sup>	1500 min
Viscosity, (Brookfield VT, 100 rpm), cps	650max
Freeze Point, °C	0

### Dry Solids Basis

MgO/Mg(OH) <sub>2</sub> %	64.0/92.8 min
CaO, %	2.5 max
SiO <sub>2</sub> , %	1.5 max
Fe <sub>2</sub> O <sub>3</sub> , %	0.2 max
SO <sub>4</sub> 2-, %	non-detectable
Cl-, %	non-detectable
Specific Surface Area, m <sup>2</sup> /g	9-13
Median Particle Size D50 microns:	3.0-6.0

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