



**MagTreat®-S, magnesium hydroxide aqueous suspension for environmental applications**

<b>Description</b>	Concentrated, stabilized magnesium hydroxide aqueous suspension. Produced from selectively mined natural magnesium hydroxide.	
<b>Uses</b>	The product is recommended for acid neutralization, wastewater treatment, heavy metal precipitation, reduction of odor and corrosion in sewage systems and flue gas desulfurization.	
<b>Chemical and physical properties</b>	<b>Aqueous Suspension</b>	<b>Specification</b>
	Dry Solids, %	58.0 min
	Density, lb/gal	11.7 min
	Viscosity, (Brookfield VT, 100 rpm), cps	650 max
	Freeze Point, °F	32
	<b>Dry Solids Basis</b>	
	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> <sup>2-</sup> , %	non-detectable
	Cl <sup>-</sup> , %	non-detectable
	Specific Surface Area, m <sup>2</sup> /g	9-13
Median Particle Size D <sub>50</sub> , microns:	3.0-6.0	
<b>Equivalents (dry solids basis)</b>	CaCO <sub>3</sub> (calcium carbonate)	= 1.0 lb Equivalent to 0.58 lb Mg(OH) <sub>2</sub>
	Na <sub>2</sub> CO <sub>3</sub> (soda ash)	= 1.0 lb Equivalent to 0.55 lb Mg(OH) <sub>2</sub>
	NaOH (caustic soda)	= 1.0 lb Equivalent to 0.73 lb Mg(OH) <sub>2</sub>
	Ca(OH) <sub>2</sub> (hydrated lime)	= 1.0 lb Equivalent to 0.79 lb Mg(OH) <sub>2</sub>
<b>Storage</b>	For long term storage periodic agitation of the suspension is necessary. Store at the warehouse/vessel with temperature above the freezing point.	
<b>Safety</b>	Refers to low-hazard substances; fire- and explosion-proof, non-toxic.	
<b>Packaging</b>	Bulk or IBC's.	

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