

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

Description	Concentrated, stabilized magnesium hydroxide aqueous suspension. Produced from selectively mined natural magnesium hydroxide.	
Uses	The product is recommended for acid neutralization, wastewater treatment, heavy metal precipitation, reduction of odor and corrosion in sewage systems and flue gas desulphurization.	
Chemical and physical properties	Aqueous Suspension	Specification
	Dry Solids, %	58.0 min
	Density, kg/m ³	1400 min
	Viscosity, (Brookfield VT, 100 rpm), cps	650 max
	Freeze Point, °C	0
	Dry Solids Basis	
	MgO/Mg(OH) ₂ %	64.0/92.8 min.
	CaO, %	2.5 max.
	SiO ₂ , %	1.5 max.
	Fe ₂ O ₃ , %	0.2 max.
	SO ₄ ²⁻ , %	non-detectable
	Cl ⁻ , %	non-detectable
	Specific Surface Area, m ² /g	9-13
Median Particle Size D ₅₀ , microns:	3.0-6.0	
Equivalents (dry solids basis)		
CaCO ₃ (calcium carbonate)	= 1.0 mt Equivalent to 0.58 mt Mg(OH) ₂	
Na ₂ CO ₃ (soda ash)	= 1.0 mt Equivalent to 0.55 mt Mg(OH) ₂	
NaOH (caustic soda)	= 1.0 mt Equivalent to 0.73 mt Mg(OH) ₂	
Ca(OH) ₂ (hydrated lime)	= 1.0 mt Equivalent to 0.79 mt Mg(OH) ₂	
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.	
Packaging	Bulk or IBC's.	

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