



MagTreat®-S10R, magnesium hydroxide suspension for environmental applications

Description	Concentrated, stabilized magnesium hydroxide aqueous suspension. Produced from selectively mined natural magnesium hydroxide.		
Application	The product is used for acid neutralization, wastewater treatment, heavy metal precipitation, reduction of COD and phosphates, prevention of odor and corrosion in sewage systems, and flue gas desulphurization.		
Chemical and physical properties	Aqueous Suspension	Specification	Typical
	Dry solids, %, min.	60,0	65
	Density, kg/m ³ , min.	1550	1650
	Viscosity, (Brookfield VT, 100 rpm), cps, max.	650	200
	Freezing point, °C	0	0
	On dry solids basis		
	MgO/Mg(OH) ₂ %, min.	62,0/89,9	63,6/92,2
	CaO, %, max.	3,0	2,6
	SiO ₂ , %, max.	3,0	1,6
	Fe ₂ O ₃ , %, max.	0,3	0,15
	*SO ₄ ²⁻ , %, max.	0,01	0,001
	*Cl-, %, max.	0,01	0,001
	Specific surface area*, m ² /g	6-8	7
	Median particle size D ₅₀ , microns:	9,0-12,0	10
	*- is determined once in 6 months		
Equivalents on 100% 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	Shelf life of suspension is 6 months since manufacturing date. For long term storage periodic agitation of the suspension is necessary. Store at the warehouse/vessel with temperature above the freezing point.		
Packaging	IBC or in bulk		
Safety	Refers to low-hazard substances; fire- and explosion-proof, non-toxic		
Transportation	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport.		

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