



BleachMag®-S, magnesium hydroxide suspension for pulp bleaching

Description	High purity, concentrated, stabilized magnesium hydroxide aqueous suspension. Produced from selectively mined natural magnesium hydroxide.		
Application	The product is used as an alkali source and as a cellulose protector in pulp bleaching systems.		
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		
	Mg(OH) ₂ %, min.	92,8	94,0
	CaO, %, max.	2,5	2,1
	SiO ₂ , %, max.	1,5	1,2
	Fe ₂ O ₃ , %, max.	0,13	0,09
	*Mn, %, max.	0,01	0,0065
	*Cu, %, max.	0,001	0,0005
	*SO ₄ ²⁻ , %, max.	0,01	0,001
	*Cl-, %, max.	0,01	0,001
	Median particle size D ₅₀ , microns:	5,0-6,0	5,5
	*- is determined once in 6 months		
Equivalents on 100% dry solids basis	MgSO ₄ (magnesium sulfate)	= 1.0 mt equivalent to 0.48 mt Mg(OH) ₂	
	NaOH (caustic soda)	= 1.0 mt equivalent to 0.73 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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