

Magnesium hydroxide suspension for pulp bleaching BleachMag[®] - S

Description	Application	
High purity, concentrated, stabilized magnesium hydroxide aqueous suspension. Produced from selectively mined natural magnesium hydroxide.	The product is used as an alkali source and as a cellulose protector in pulp bleaching systems.	
	Specification	Typical
Aqueous Suspension		
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.	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:		
Laser diffraction	5.0-6.0	5.5
Sedimentation technique	2.0-3.0	2.5
*- 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 upon arrival at customer's warehouse. 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	