

## Magnesium hydroxide suspension for pulp bleaching BleachMag<sup>®</sup> - S

### 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.

	Specification	Typical	
<b>Properties</b>	<b>Aqueous Suspension</b>		
	Dry solids, %, min.	60.0	65
	Density, kg/m <sup>3</sup> , min.	1550	1650
	Viscosity, (Brookfield VT, 100 rpm), cps, max.	650	200
	Freezing point, °C	0	0
	<b>On dry solids basis</b>		
	MgO/Mg(OH) <sub>2</sub> , %, min.	92.8	94.0
	CaO, %, max.	2.5	2.1
	SiO <sub>2</sub> , %, max.	1.5	1.2
	Fe <sub>2</sub> O <sub>3</sub> , %, max.	0.13	0.09
	*Mn, %, max.	0.01	0.0065
	*Cu, %, max.	0.001	0.0005
	*SO <sub>4</sub> <sup>2-</sup> , %, max.	0.01	0.001
	*Cl-, %, max.	0.01	0.001
Median particle size D <sub>50</sub> , microns:	5.0-6.0	5.5	
*- is determined once in 6 months			
<b>Equivalents on 100% dry solids basis</b>	MgSO <sub>4</sub> (magnesium sulfate)	= 1.0 mt equivalent to 0.48 mt Mg(OH) <sub>2</sub>	
	NaOH (caustic soda)	= 1.0 mt equivalent to 0.73 mt Mg(OH) <sub>2</sub>	
<b>Storage</b>	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		
<b>Packaging</b>	IBC or in bulk		
<b>Safety</b>	Refers to low-hazard substances; fire- and explosion-proof, non-toxic		
<b>Transportation</b>	Transported by all modes of transport in accordance with the rules of transportation of goods that operates in this mode of transport		