

# 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.

	Parameter	Specification	Typical
<b>Properties</b>	<b>Aqueous Suspension</b>		
	Dry solids, %, min.	63.0	65.0
	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 <sup>-</sup> , %, max.	0.01	0.001
	Median particle size D <sub>50</sub> , microns:		
	Laser diffraction	5.0-6.0	5.5
Sedimentation technique	2.0-3.0	2.5	
	* — 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 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 and below the +35 °C avoiding the direct UV exposure. Do not use used IBC's for storage		
<b>Packing</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 operate in this mode of transport. Avoid the long term transportation of the material at the temperatures above +35 °C		