



MagTreat®-S, 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.	64,0/92,8	64,8/94,0
	CaO, %, max.	2,5	2,1
	SiO ₂ , %, max.	1,5	1,2
	Fe ₂ O ₃ , %, max.	0,2	0,13
	*SO ₄ ²⁻ , %, max.	0,01	0,001
	*Cl-, %, max.	0,01	0,001
	Specific surface area*, m ² /g	9-11	10
	Median particle size D ₅₀ , microns:	5,0-6,0	5,5
	*- 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.		

DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. ANY RECOMMENDATIONS OR SUGGESTIONS MADE ARE WITHOUT WARRANTY OR GUARANTEE OF RESULTS SINCE CONDITIONS OF HANDLING AND OF USE ARE BEYOND OUR CONTROL; WE THEREFORE, ASSUME NO LIABILITY FOR LOSS OR DAMAGE INCURRED BY FOLLOWING THESE SUGGESTIONS. SELLER WARRANTS ONLY THAT THIS PRODUCT WILL MEET THE SPECIFICATIONS SET FORTH. ANY OTHER REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, IS SPECIFICALLY DISCLAIMED INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. SELLERS AND MANUFACTURERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVED TO BE DEFECTIVE, BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR USERS INTENDED APPLICATION AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE IN TORT, CONTRACT OR UNDER ANY THEORY FOR ANY LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.

Rotterdam Science Tower, 18th Floor,
 Marconistraat 16, 3029
 AK Rotterdam, the Netherlands
 +31 (0) 10 350 6206
 info@europiren.com

