

Magnesium hydroxide powder for environmental applications MagTreat®-P

Description

A fine white powder of magnesium hydroxide. Produced from selectively mined natural magnesium hydroxide, by milling and classifying.

Application

The product is intended for manufacturing of aqueous suspension recommended 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.

	Parameter	Specification	Typical
Properties	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
	Bulk density, kg/m ³ , min.	300	390
	Humidity, %, max.	0.5	0.3
	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	The shelf life is limited by moisture pick-up during storage, which is 0.5% max. When stored in dry conditions and with the packaging intact the shelf life is min. 4 months and max. 12 months from the time of delivery. We recommend to check the moisture content before usage if the product is stored for more than 4 months. Opened bags should be resealed immediately		
Packaging	Paper bags with polyethylene liner, big bags		
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		