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Product Data THIOGUARD®

Thioguard is a proven product for water conditioning in municipal wastewater treatment plants. It is highly effective in reducing odor and corrosion due to hydrogen sulfide gas, as well as providing needed alkalinity that is consumed during wastewater treatment processes. Thioguard will also aid in solids settling by supplying divalent cationic magnesium ion that enhances bioflocculation formation. In addition, de-watering can be improved by the use of Thioguard. This can result in higher solids filter-cake, which will reduce disposal costs. Thioguard is particularly beneficial in treatment plants using nitrification and activated sludge systems. Thioguard is a stabilized aqueous suspension of magnesium hydroxide and is available in two solids formulations, 53 and 63%.

Chemical Analysis (Loss-Free Basis)	Typical	Maximum	Minimum
LOI	30		
MgO	93.0		90.0
CaO	3.0		
Fe ₂ O ₃	0.6		
Al ₂ O ₃	0.5		
SiO ₂	3.0		
Physical Properties			
Solids, wt% (53%)	53	55	50
Solids, wt% (63%)	63	68	60
Viscosity, cp		800	200

PACKAGING AND STORAGE:

THIOGUARD is shipped in bulk truck and should be stored in agitated tanks. It can also be shipped in 55-gallon drums. Drums require resuspension before use. Keep product from freezing.

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