

# PRODUCT PROFILE

## THIOGUARD®

THIOGUARD® is an effective, environmentally-safe, magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide for wastewater treatment. Engineered and manufactured to provide more pound for pound alkalinity with the highest reactivity, stability, and purity- THIOGUARD® successfully control pH and effectively treats odors, corrosion, and FOG (fats, oils, and grease). Direct addition of THIOGUARD® to wastewater collection systems stops odors by preventing the formation of hydrogen sulfide gas, while providing downstream benefits to the treatment plant operation, or Total System Treatment (TST).

### CHEMICAL COMPOSITION

	TYPICAL %	MAX %	MIN %
<b>Slurry Basis</b>			
Mg(OH) <sub>2</sub> contained lb/gal	7.7	8.0	7.3
<b>Dry Solids Basis (wt.%)</b>			
MgO	93.0%		88.0%
Fe <sub>2</sub> O <sub>3</sub>	0.5%	0.6%	
CaO	3.5%	4.0%	
SiO <sub>2</sub>	1.5%	3.5%	

### PHYSICAL PROPERTIES

	TYPICAL %	60% MAX %	MIN %
Density (lbs./gal.)	12.90	13.19	12.71
Solids (wt.%)	60%	62%	58%
Viscosity (cps)*	150	500	100

\*Brookfield RVT Viscometer #3 spindle @100 rpm for 60 seconds at 70 °F

*Chemical and physical properties provided by Premier Chemicals.*

Rev. 9/2015

The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

Southern Calif. • San Jose, CA • San Diego, CA • Salt Lake City, UT  
Phoenix, AZ • Tucson, AZ • Pacific Northwest • International Sales



Hill Brothers Chemical Co.  
Corporate Office  
1675 North Main St.  
Orange, CA 92867-3499  
(714) 998-8800  
www.hillbrothers.com