

Material Safety Data Sheet

Revision Issued: 10/13/2008 Supercedes: 9/24/2007 First Issued: 8/21/1997

Section I - Chemical Product And Company Identification

Product Name: Thioguard®

CAS Number: 1309-42-8

HBCC MSDS No. CM04430



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Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	%	Exposure Limits (TWAs) in Air		
			ACGIH TLV	OSHA PEL	STEL
Magnesium Hydroxide	1309-42-8	51-65	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	15 mg/m ³ (total dust); 5 mg/m ³ (respirable)	N/A

Section III - Hazard Identification

Routes of Exposure: Eyes, skin, inhalation

Summary of Acute Health Hazards: The product presents a very low health risk. Magnesium hydroxide is a general purpose food additive. Dust generated from the dried product is classified as a nuisance dust.

Ingestion: Ingestion is unlikely. If ingested in sufficient quantity, may cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting, abdominal pain and diarrhea.

Inhalation: May irritate the respiratory tract on prolonged or repeated contact. May aggravate pre-existing respiratory conditions.

Skin: Repeated or prolonged contact may cause irritation.

Eyes: Particulate is a physical eye irritant.

Summary of Chronic Health Hazards: Dried product dust is classified as a "nuisance particulate, not otherwise regulated" as specified by ACGIH and OSHA. The excessive, long-term inhalation of mineral dusts may contribute to the development of industrial bronchitis, reduced breathing capacity, and may lead to the increased susceptibility to lung disease.

Signs and Symptoms of Exposure: N/A

Effects of Overexposure: Overexposure to mist/particulate may cause physical eye and upper respiratory irritation.

Medical Conditions Generally Aggravated by Exposure: Dust from the dried product may aggravate pre-existing chronic lung conditions such as, but not limited

to, bronchitis, emphysema, and asthma.

Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: Ingestion is an unlikely route of exposure. Give 1 - 2 glasses of water and seek immediate medical attention. Never give anything by mouth to an unconscious person. Leave decision to induce vomiting for medical personnel, since some particles may be aspirated into the lungs. Seek immediate medical attention.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Skin: Wash affected areas with mild soap and water.

Eyes: Flush eyes, including under the eyelids, with large amounts of water. If irritation persists, seek medical attention.

Section V - Fire Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Unusual Fire and Explosion Hazards: N/A

Extinguishing Media: Use extinguishing media appropriate to combustibles in area of fire.

Special Firefighting Procedures: Firefighters should wear NIOSH-approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Section VI - Accidental Release Measures

Carefully, clean up and place material into a suitable container, being careful to avoid creating excessive dust from dried product. If conditions warrant, clean up personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

Section VII - Handling and Storage

Store at ambient temperature. Prevent possible eye and skin contact by wearing protective clothing and equipment. Do not store in aluminum tanks. Do not allow product to freeze.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: Respirator approved by NIOSH/ MSHA are adequate for contaminate concentrations encountered in accordance with requirements of 29 CFR 1910.134 for level of exposure incurred.

Ventilation: Provide sufficient ventilation, in both volume and air flow patterns to control mist/dust concentrations below allowable exposure limits.

Protective Clothing: Gloves are recommended, rubber gloves are recommended when repeated or prolonged contact is likely. Long sleeve clothing is also recommended.

Eye Protection: Safety glasses are recommended.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section XVI - Other Information

Synonyms/Common Names: Brucite

Chemical Family/Type: Inorganic Oxide

Thioguard® is a registered trademark of Premier Chemicals

Section(s) changed since last revision: II, III, IX, X, XIII, XVI

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.