Safety Data Sheet

Section 1. Identification

GHS product Identifier : TERM® Particle Barrier for Termites
Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against
Product used to protect structures from termite intrusion.

Supplier's details
Polyguard Products, Inc.
4101 S I-45
Ennis, TX 75119
Tel: (214) 515-5000

Emergency telephone number) with hours of operation)
CHEMTREC, US 1-800-424-9300 International 1-703-527-3887 (24/7)

Section 2. Hazards Identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200) .

Classification of the substance or mixture :
Carcinogenicity - Category 1A
Spacific Target Organ Toxicity- Category 2
Repeated Exposure
Skin Corrosion/Irritation- Category 2
Eye Damage/Irritation- Category 2A

GHS label elements
Hazard pictogram

Signal word : **Danger**

Hazard statement :
May cause cancer
May cause damage to organs (lungs) through prolonged or repeated exposure.
Causes skin irritation.
Causes serious eye irritation.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash any exposed body parts. Wear protective gloves/protective clothing/ eye protection/face protection.

Response : If exposed or concerned: Get medical advice or attention. If on skin: wash with plenty of water. Take off contaminated clothing and wash before reuse. If in eyes: rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known

Section 3. Composition/Information on Ingredients

Substance/Mixture : Sand
Other means of identification : Not available
CAS number/other identifiers
CAS number : Not applicable
Product code : Not applicable

Ingredient name	%	CAS Number
Sand	>99	None
Crystalline Silica (Quartz)	> 1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
Occupational exposure limits,if available,are listed in Section 8.

Section 4. First Aid Measures

Description of necessary first aid measures.

Eye contact : Dust: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Occasionally lift the eyelid(s) to ensure through rinsing. Beyond flushing , do not attempt to remove material from the eye(s). If eye irritation develops or persists: get medical advice/attention.
Inhalation : Dust : Move to fresh air. Call physician if symptoms develop or persist.
Skin contact : Dust: Wash off with soap and water. Get medical attention if symptoms develop or persist.
Ingestion : Dust: Rinse mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed
Potential acute health effects
Eye contact : Causes serious eye irritation.
Inhalation : Inhaling of dust may cause discomfort in the chest, shortness of breath, and coughing.
Skin contact : May cause skin irritation.
Ingestion : Harmful if swallowed.

Potential Delayed health effects : May cause cancer
Prolonged inhalation may cause chronic health effects. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica liberated from this product can cause silicosis, and may cause cancer.

Indication of immediate medical attention and special treatment needed, if necessary.
Notes to physician : Provide general supportive measures and treat symptomatically. keep victim under observation. Symptoms may be delayed.
Specific treatments : No specific treatment
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media : Not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No unusual fire or explosion hazards noted. Not a combustible dust.

Hazardous thermal decomposition products : None known.

Special protective equipment : Use protective equipment appropriate for surrounding materials. No specific precautions.

Special protective actions for firefighters: : Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10). No unusual fire or explosion hazards.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

For non emergency personal : Wear appropriate protective equipment and clothing during clean up of materials that may contain or may liberate dust.

Enviromental precautions : Avoid discharge of fine particulate matter into drains or water courses.

Methods and materials for containment and cleaning up

Spill : Spilled material, where dust id generated, may overexposed cleanup personnel to respirable crystalline silica-containing dust. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary .

Section 7. Handling and Storage

Precautions for safe handling

Protective measures : Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at placed where dust is formed. Do not breath dust. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personnel protective equipment.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store locked up and in accordance with local regulations. Store in original container in a cool dry well-ventilated area away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Avoid dust formation or accumulation.

Section 8. Exposure Controls/Personal Protection

Control parameters
Occupational exposure limits

Ingredient name	Exposure limits
Particles not otherwise classified (CAS SEQ250)	**ACGIH TLV (United States, 3/2012)** TWA: 3 mg/m^3 Form: Respirable particles TWA: 10 mg/m^3 Form: Inhalable particles **OSHA PEL** PEL: 5 mg/m^3 Form: Respirable fraction PEL: 15 mg/m^3 Form: Total dust TWA:5 mg/m^3 Form: Respirable fraction TWA: 15 mg/m^3 Form: Total dust
Crystalline Silica (Quartz)	**OSHA PEL (United States, 9/2017)** TWA:0.3 mg/m^3 Form: Total Dust TWA: 0.05 mg/m^3 Form: Respirable **ACGIH TLV (United States, 3/2012)** TWA: 0.025 mg/m^3 Form: Respirable particles **NIOSH REL (United States, 3/2012)** TWA: 0.05 mg/m^3 form: Respirable dust

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airbornes contaminants below any recommended or statutory limits. The engineering controls also need to keep gas , vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment when explosive concentrations are present.

Exposure guidelines : OSHA PEL's, MSHA PEL's, and ACGIH TLV's are 8-hr TWA values. NIOSH REL's are TWA exposures up to a 10 hr/day and 40 hrs/week. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.Terms including "Particulates Not Otherwise Classified," "Particulates Not Otherwise Regulated," Particulates Not Otherwise Specified," and "Inert or Nuisance Due" are often interchangeably; however, the user should review each agency's terminology for differences in meanings.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene measure: : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the work- station location.

Eye/face protection : Wear safety glasses with side shields or goggles.

Section 8. Exposure Controls/Personal Protection

Skin Protection

Hand protection : Use personnel protective equipment as required.

Body protection : Personal protective equipment as required.

Respiratory protection : When handling or performing work that produces dust or respirable crystalline silica in excess of applicable exposure limits, wear a NIOSH-approved respirator that is properly fitted abd is in good condition. Respirators must be used in accordance with all applicable workplace regulations.

Section 9. Physical and Chemical Properties

Appearance

Physical state	: Solid , particles of granular mixture
Color	: Various colors
Odor	: Not applicable
Odor threshold	: Not applicable
pH	: Not available
Melting point	: Not applicable
Boiling point	: Not applicable
Freezing point range	: Not applicable
Evaporation rate:	: Not applicable
Flammability (solid, gas)	: Not applicable
Flash Point	: Not applicable
Autoignition temperature	: Not applicable
Lower & upper explosive (flammable) limits	: Not applicable
Decomposition temperature	: Not applicable
Vapor pressure	: Not applicable
Vapor density	: Not applicable
Specific gravity	: Not available
Water solubility	: Insoluble
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Kinematic Viscosity	: Not available
VOC	: 0 g/l

Section 10. Stability and Reactivity

Reactivity : This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability : This product is stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid: : Avoid contact with strong oxidizing agents.

Incompatible materials : Crystalline silica may react violently with strong oxidizing agents causing fire and explosions.

Hazardous decomposition products : Silica dissolves in hydrofluoric acid producing a corrosive gas silicon tetrafluoride.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity : Not expected to be acutely toxic.

Irritation/Corrosion : **Skin:** Dust : May cause irritation through mechanical abrasion. This product is not expected to be a skin hazard.

Eyes: Direct contact with eyes may cause temporary irritation through mechanical abrasion.

Irritation/Corrosion : **Inhalation:** Repeated inhalation of respirable crystalline silica(quartz) may cause silicosis, a fibrosis(scarring) of the lungs. Silicosis is irreversible and may be fatal. Silicosis increases the risk of contracting pulmonary tuberculosis. Some studies suggest that repeated inhalation of respirable crystalline silica may cause other adverse effects including lung and kidney cancer.

Ingestion: Not likely due to product form. However accidental ingestion may cause discomfort.

Sensitization : **Respiratory Sensitization:** No respiratory sensitizing effects known.

Skin Sensitization: Not known to be a dermal irritant or sensitizer.

Mutagenicity : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Aspiration hazard : Not expected to be an aspiration hazard.

Reproductive toxicity : Not expected to be a reproductive hazard.

Symptoms related to physical, chemical and toxicological characteristics : Dust: discomfort in the chest. Shortness of breath. Coughing.

Carcinogenicity : Respirable crystalline silica has been classified by IARC and NTP as a known human carcinogen and classified by ACGIH as a suspected human carcinogen.

Product/Ingredient	OSHA	IARC	ACGIH	NTP
Crystalline Silica (Quartz) CAS# 14808-60-7	Not listed	1 Carcinogenic to humans	A2	Known to be human Carcinogen

Specific target organ toxicity (single exposure)

Product/Ingredient	Category	Route of exposure	Target organs
Crystalline Silica (Quartz) CAS# 14808-60-7	-	Inhalation	Not reported to have effects

Specific target organ toxicity (repeated exposure)

Product/Ingredient	Category	Route of exposure	Target organs
Crystalline Silica (Quartz) CAS# 14808-60-7	-	Inhalation	May cause damage to organs (Lungs through prolonged or repeated exposure.

Potential chronic health effects: General: Prolonged inhalation of respirable crystalline silica may be harmful. May cause damage to organs (lungs) through prolonged or repeated exposure. There are reports in literature suggesting that excessive crystalline silica exposure may be associated with autoimmune disorders and other adverse health effects involving kidneys. In particular , the incidence of scleroderma (thickening of the skin caused by swelling and the thickening of the fibrous tissue) appears to be higher in silicotic individuals. To date, the evidence does not conclusively determine a casual relationship between silica exposure and these adverse health effects.

Section 12. Ecological Information

Ecotoxicity : Not expected to be harmful to aquatic organisms. Discharging sand and gravel fines into waters may increase total suspended particulate levels that can be harmful to certain aquatic animals.

Persistence and degradability : Not applicable.
Bio accumulative potential : Not applicable.
Mobility in soil
Soil/water partition coefficient (K_{OC}) : Not applicable
Other adverse effects : No other adverse environmental effects are expected from this product.

Section 13. Disposal Considerations

Disposal methods : Do not allow fine particulate matter to drain into sewers or water supplies. Do not contaminate ponds, waterways or ditches with fine particulates. Dispose of contents in accordance with local/regional/national/international regulations.

Section 14. Transportation Information

DOT : Not regulated as a dangerous good.
IATA : Not regulated as a dangerous good.
IMDG : Not regulated as a dangerous good.

Section 15. Regulatory Information

U.S. Federal regulations: **United States inventory (TSCA 8 b):** all components are listed or exempted
SARA 311/312 : Crystalline Silica (Quartz) : Delayed (chronic) health hazard.
State regulations
Massachusetts : The following components are listed: Crystalline Silica (Quartz), Respirable Tridymite and Cristobalite (other forms of Crystalline Silica).
Rhode Island : The following components are listed: Crystalline Silica (Quartz), Respirable Tridymite and Cristobalite (other forms of Crystalline Silica).
New Jersey : The following components are listed: Crystalline Silica (Quartz), Respirable Tridymite and Cristobalite (other forms of Crystalline Silica).
Pennsylvania : The following components are listed: Crystalline Silica (Quartz), Respirable Tridymite and Cristobalite (other forms of Crystalline Silica).

California Prop.65 

WARNING: This product can expose you to chemicals including *Crystalline Silica and trace metals*, which is(are) known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.

16. Other information

Date of revision:	**10/26/2020**
Date of previous issue	
Revisions:	**New product**
Version	**1**
Prepared by	**C. Rogalski**

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