

all natural ingredients

PERMA-GUARD™
Pure Diatomaceous Earth Products

SAFETY DATA SHEET

Date revised: 06/01/2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Perma-Guard Garden and Plant Protection Insecticide D-21**

Generic Name: Diatomaceous Earth-Pyrethrins

EPA REGISTRATION No. 67197-3

Chemical Family: Silicates

Formula: SiO₂-AL₂O₃-FE₂O₃-CAO

Manufacturer: Perma-Guard, Inc.

Address: 50 North Cutler Drive, Unit 202

Emergency: Chemtrec USA (800) 424-9300

City: North Salt Lake State: UT Zip: 84054

International: (703) 527-3887 Collect

2. COMPOSITION INFORMATION

INGREDIENT Name:	CAS Number:	%	PEL and TLV (except as noted)
NATURAL DIATOMACEOUS EARTH (DE)	61790-53-2	86.00%-90.0%	Diatomaceous Earth (uncalcined)
AMORPHOUS SILICA			
Pyrethrins	8003-34-7	0.09%-0.11%	
Piperonyl-butoxide-technical	51-03-6	0.95%-1.05%	
Isoparaffinic-petroleum Solvent	647472-47-83	0.36%-0.44%	

3. HAZARD IDENTIFICATION

Unusual Fire and Explosion Hazards: None

Threshold Limit Value: 10MG/M³ Total Dust: Nuisance Dust

Possible Effects of a Single overexposure:

Acute Accidental Exposure would be non-specific. Inhalation Symptoms might include coughing, wheezing, difficult breathing and Upper Respiratory Tract Irritation.

Skin Contact: No Known Concern

Eye Contact: May Cause temporary discomfort and irritation

Ingestion: No Known Hazard

4. FIRST AID MEASURES

Inhalation: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE TO EVACUATE DUST.

Eyes: FLUSH EYES WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS CONSULT A PHYSICIAN. **Skin Contact:** Wash affected area with soap and water **Skin Absorption:** NA

Ingestion: NOT HAZARDOUS WHEN INGESTED

5. FIRE FIGHTING MEASURES

Flash Point: None **Flammable Limits:** None

Extinguishing Media: None **Special Fire Fighting Procedures:** None

6. ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak: Vacuum Clean or Wet Sweep Spillage.

Waste Disposal Method: Waste should be disposed of in closed containers to prevent dust.

7. HANDLING AND STORAGE

As with all powders, limit the creation and inhalation of dust. Wet floor may become extremely slippery when diatomite is present. STORE IN A COOL DRY PLACE, OUT OF SUNLIGHT.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Approved dust respirators for exposure. Respiratory Protection to potentially high dust environments.

Ventilation: Local Exhaust Ventilation Recommended. **Protective gloves:** Not Required

Eye Protection: Safety Glasses **Other Protective Equipment:** Not Required

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder **Odor:** Mild, sweet odor. **Appearance:** off white
pH: Not Applicable **Flashpoint and Method:** Not Applicable
Vapor Density: Not Applicable **Freezing Point:** Not Determined
Solubility in Water: suspension **Viscosity:** Not Applicable
Evaporation: Not Applicable **Flammability:** non-flammable
Auto Ignition Temperature: Not Applicable
Decomposition Temperature: Not Applicable

10. STABILITY and REACTIVITY

Stability:	Inert	Incompatibility:	None
Hazardous Decomposition Products			None
Hazardous polymerization:			None
Conditions to avoid:			None

11. TOXICOLOGICAL INFORMATION

Summary: Prolonged and repeated exposure to this product's dust may cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness
COMMENTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

12. ECOLOGICAL INFORMATION

Dike to prevent liquid solutions from entering sewers streams, ponds, lakes. Considered to be harmful to cold-blooded life. **WATER SPILL:** Contains Pyrethrins, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

13. STORAGE AND DISPOSAL

Storage Segregation Hazard Classes: NA **Special Handling/Storage :** Repair all broken bags immediately. **HANDLING:** Take prudent precautions to avoid contact with skin, eyes, and clothing. Mechanical ventilation should be used when handling this product in enclosed spaces. Do not contaminate water, food or feedstuffs, by storage, handling, or by disposal.
READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT LABEL.
STORAGE: Store in a cool, dry, dark, well-ventilated, storage area. DO NOT store where children or animals may gain access. Keep Bag closed when not in use and stored out of exposure to sunlight.
Disposal: Do Not reuse this container. Place in trash or offer for recycling if available.

14. TRANSPORTATION

UN Number: Not Applicable, non hazardous
Shipping Name: Insecticides, Insect or Animal Repellent
Environmental Hazards: Non-Hazardous

14. OTHER INFORMATION

Special Workplace Engineering Controls: ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL.
Prepared and Revised by: Perma-Guard, Inc. (505) 243-1460 As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with appropriate federal and state law(s). However, no warranty or representation with respect to such information is intended or given.