

MATERIAL SAFETY DATA SHEET

Date revised: 01/03/11

all natural ingredients

PERMA-GUARD™
Pure Diatomaceous Earth Products

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. 67197-2

Chemical Family: Silicates Formula: SIO₂-AL₂ 3-FE₂ 3 CAO

Manufacturer: Perma-Guard, Inc.

Address: 625 East, 2150 South

Emergency: Chemtrec USA (800) 424-9300

City: Bountiful State: UT Zip: 84010

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	100	Diatomaceous Earth (uncalcined)
AMORPHOUS SILICA			
Pyrethrins	8003-34-7	0.18%-0.22%	
Piperonyl-butoxide-technical	51-03-6	0.90%-1.10%	
Isoparaffinic-petroleum Solvent	647472-47-83	0.70%-0.90%	

3. HAZARD IDENTIFICATION

Unusual Fire and Explosion Hazards: None

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

Possible Effects of a Single overexpose:

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. KEEP CONTAINER CLOSED.

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

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 EXCESSIVE CONCENTRATIONS OF THIS PRODUCT'S DUST MAY CAUSE CHRONIC PULMONARY DISEASE. DUST CONTACT WITH EYES MAY CAUSE TEMPORARY SCRATCHINESS OR REDNESS.

12. ECOLOGICAL INFORMATION

DIKE TO PREVENT LIQUID SOLUTIONS FROM ENTERING SEWERS, STREAMS, PONDS, LAKES. CONSIDERED TO BE HARMFUL TO COLD BLOODED LIFE.

15. OTHER INFORMATION

Storage Segregation Hazard Classes: NA Special Handling/Storage : REPAIR ALL BROKEN BAGS IMMEDIATELY.

Special Workplace Engineering Controls: ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL.

PREPARED/REVISED BY: Perma-Guard, Inc. (801) 726-7107 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.