

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 Dogs and Cats Pet Insecticide D-20**  
 Generic Name: Diatomaceous Earth-Pyrethrins EPA REGISTRATION No. 67197-5  
 Chemical Family: Silicates Formula: SiO<sub>2</sub>-AL<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>-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) AMORPHOUS SILICA	61790-53-2	86.00%-90.0%	Diatomaceous Earth (uncalcined)
Pyrethrins	8003-34-7	0.18%-0.22%	
Piperonyl-butoxide-technical	51-03-6	0.70%-0.90%	
Isoparaffinic-petroleum Solvent	647472-47-83	0.90%-1.10%	

### 3. HAZARD IDENTIFICATION

**Unusual Fire and Explosion Hazards:** None  
**Threshold Limit Value:** 10MG/M<sup>3</sup> 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

**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.