1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Fossil Shell Flour**<sup>®</sup>  
Generic Name: Diatomaceous Earth  
Formula: SiO₂  
EINECS: 310-127-6  
CAS: 61790-53-2  
Manufacturer: Perma-Guard, Inc.

Address: 60 N Cutler Drive, Unit 202  
North Salt Lake State, UT Zip: 84054

Emergency: Chemtrec USA (800) 424-9300  
International: +01 (703) 527-3887 Collect

2. HAZARD IDENTIFICATION

2.1 GHS Classification:  
Physical and chemical hazards: No Classification  
Human Health: No Classification  
Environment: No Classification

2.2 Label elements:  
Pictogram: None  
Signal Word: None  
Hazard Statement: None  
Precautionary Statements: None

Summary: Prolonged and repeated exposure to excessive concentrations of this product’s dust or any nuisance dust can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. **This product has not been classified as a carcinogen by NTP or IARC.**

3. COMPOSITION INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS Number:</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATURAL DIATOMACEOUS EARTH (DE)</td>
<td>61790-53-2</td>
<td>100</td>
</tr>
<tr>
<td>Diatomaceous Earth AMORPHOUS SILICA</td>
<td></td>
<td>(uncalcined)</td>
</tr>
</tbody>
</table>

6 mg/M³ TOTAL DUST, MSHA  
10 mg/M³ TOTAL DUST, ACGIH

4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Drink water to clear throat. Blow nose to clear dust.

**Eyes:** Flush eyes with large quantities of water. If irritation persists contact a physician.

**Skin Contact:** NA  
**Skin Absorption:** NA  
**Ingestion:** NOT HAZARDOUS WHEN INGESTED

5. FIRE FIGHTING MEASURES

**Flash Point:** Non-Flammable  
**Flammable Limits:** LEL: NA  
UEL: NA  
**Extinguishing Media:** NA  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None  
**Auto Ignition Temperature:** None  
**NFP Flammable/Combustible Liquid Classification:** NA

6. ACCIDENTAL RELEASE MEASURES

**Procedures for Spill/Leak:** Vacuum Clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is necessary.

7. HANDLING AND STORAGE

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Seal broken bags immediately. Continue to follow all SDS/Label warnings when handling empty containers.
8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Goggles: Goggles or Safety Glasses with Side Shields are recommended.
Gloves: Not normally required. Respirator: <10X PEL. Use an N95 Quarter or half mask respirator: <50X PEL, use a full face respirator equipped the N95 filters, <200X PEL, use a powder air purifying respirator (positive pressure) with N95 filters, Type C supplied air respirator (Continuous flow mode).
Ventilation: Use Sufficient Natural or Mechanical ventilation to keep dust level below PEL.
MSHA PEL—6 mg/M3 total nuisance dust (uncalcined Diatomaceous Earth)
ACGIH TLV– 10 mg/M3 Total Dust

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance and odor: fine white powder, no odor
Boiling Point: NA
Vapor Pressure: NA
Water Solubility (%): NA
Evaporation rate: NA
Melting Point: ND
Vapor Density: NA
Specific Gravity (water =1): 2.2
% Volatile by Volume: NIL
PH: 7.5-9.0

10. STABILITY and REACTIVITY
Material is Stable
Hazardous Polymerization cannot occur
Chemical incompatibilities: Hydrofluoric Acid
Conditions to Avoid: None in designed use

11. TOXICOLOGY INFORMATION
Summary: Prolonged and repeated exposure to excessive concentrations of this product’s dust, or any nuisance dust, can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratchiness or redness. This product has not been classified as a carcinogen by NTP or IARC.

12. ECOLOGICAL INFORMATION
Generally considered chemically inert in the environment. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

13. DISPOSAL CONSIDERATIONS
Waste is not hazardous as defined by RCRA (40 CFR 261). Other state and local regulations may vary, consult local agencies as needed. Used material that has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

14. TRANSPORTATION INFORMATION
D.O.T. Proper Shipping Name: Earth, Diatomaceous, Crude or Ground.
Hazard Classification: Not Restricted
Reportable quantities: NA
UN (United Nations): NA
(North America) Number: NA

15. REGULATORY INFORMATION
OSHA: Hazard Communications Standard, 29 CFR 1910.1200: Material considered hazardous, see section 3
RCRA: This material is not defined as hazardous waste per 40 CFR 261
TSCA: This material is listed in the TSCA inventory and is not otherwise regulated by TSCA Sec 4,5,6,7 or 12
CERCLA: Material is not reportable under CERCLA, local requirements may vary
SARA: 311/312 hazard categories-Immediate and delayed health, 313 reportable ingredients: None
CANADA: This product is listed on the DSL
CALIFORNIA: Proposition 65, Not Applicable
EU Regulation (EC) N° 1272/2008: This material is labeled and supported accordingly with GHS standards
European Existing Chemicals (EINECS): All of the components of this product are included on EINECS

16. OTHER INFORMATION

PREPARED/REVISED BY: Perma-Guard, Inc. (505) 243-1460 Revisions Made since last version: Included OSHA Hazard compliance with GHS format