



# SAFETY DATA SHEET

Date revised: 06/01/15

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Fossil Shell Flour®**  
 Generic Name: Diatomaceous Earth  
 Chemical Family: Silicates  
**Manufacturer:** Perma-Guard, Inc.  
 Address: 60 N Cutler Drive, Unit 202  
 North Salt Lake State, UT Zip: 84054

Formula: **SIO2**  
 EINECS: 310-127-6  
 CAS: 61790-53-2

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

## 2. HAZARD IDENTIFICATION

**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.**

**Medical conditions that may be aggravated:** Pre-Existing upper respiratory and lung disease such as, but not limited to, Bronchitis, Emphysema and Asthma. **Target Organs:** Lungs, eyes

**Acute Health Effects:** Transitory Upper respiratory or eye irritation.

**Primary entry routes:** Inhalation, dust contact with eyes

**Inhalation:** Irritation and soreness in throat & Nose. In extreme exposures some congestion may occur.

**Eyes:** Temporary irritation or inflammation

**Skin contact:** NA

**Skin Absorption:** NA

**Ingestion:** Not Hazardous when ingested

## 3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS Number:	%
NATURAL DIATOMACEOUS EARTH (DE)	61790-53-2	100
Diatomaceous Earth AMORPHOUS SILICA		(uncalcined) 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/PERSONAL 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.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and odor:</b> fine white powder, no odor	<b>Boiling Point:</b> NA
<b>Vapor Pressure:</b> NA	<b>Water Solubility (%):</b> NA
<b>Melting Point:</b> ND	<b>Vapor Density:</b> NA
<b>% Volatile by Volume:</b> NIL	<b>Evaporation rate:</b> NA
	<b>Specific Gravity (water =1):</b> 2.2
	<b>PH:</b> 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 waster 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

**Storage Segregation Hazard Classes:** NA **Special Handling/Storage :** Repair all broken bags  
**Special Workplace Engineering Controls:** Adequate ventilation to keep dust level below PEL

**PREPARED/REVISED BY:** Perma-Guard, Inc. (505) 243-1460

Revisions Made since last version: Included OSHA Haz Com compliance with GHS format