



SAFETY DATA SHEET

Date revised: 06/01/15

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Fossil Shell Flour®	Formula: SIO2
Generic Name: Diatomaceous Earth	EINECS: 310-127-6
Chemical Family: Silicates	CAS: 61790-53-2
Manufacturer: Perma-Guard, Inc.	
Address: 60 N Cutler Drive, Unit 202	Emergency: Chemtrec USA (800) 424-9300
North Salt Lake State, UT Zip: 84054	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, ACGH

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

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