

MATERIAL SAFETY DATA SHEET

Vital Earth's®
PUMICE

Section 1. Identification

Company Name: Conscious Earthworks, LLC

Emergency Telephone Number: 503-493-2784

Information Telephone Number: 503-493-2784

Date Prepared: 01/01/2012

Section 2. Composition Information

Component: Pumice

Section 2A: Hazardous Ingredients

None.

Section 2B: Identity Information:

Other principal inert components: Complex silicates or oxides of AL, K, Na, Fe, Ca, Mg, Ti.

Chemical identity, major components: Amorphous silicon dioxide (SiO₂), M_xO_y – SiO₂ (M = Al, Ca, Mg + other minor metal oxides, with bound silica (SiO₂)).

Common Names: Pumice, volcanic glass

HMIS (Hazardous Materials Identification System Ratings – NPCA/CPCA)

Based on hazard rating of 4 = Most severe

Health: 0

Flammability: 0

Reactivity: 0

Personal Protection: Use approved dust mask; goggles to prevent eye irritation.

Section 3. Physical/Chemical Characteristics (N/A = Not Applicable)

Boiling Point: N/A

Specific Gravity: 2.35

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density: (Air = 1) N/A

Evaporation Rate: (Butyl Acetate = 1) N/A

Solubility in Water: Negligible

Appearance and Odor: Off-White Powder. No odor.

Section 4. Fire and Explosion Hazard Data

Flash Point: N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: None

Section 5. Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable X	No special precautions

Incompatibility (Materials to Avoid): No incompatibility (reacts with hydrofluoric acid: soluble in HF).

Hazardous Decomposition of Byproducts: May react with hydrofluoric acid to form toxic silicon tetra-fluoride gas.

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	No special conditions

Section 6. Health Hazard Data

Route(s) of Entry:

Inhalation: No

Skin: No

Ingestion: Non-Hazardous

Classified as nuisance dust.

Carcinogenicity:

NTP: No

IARC Monographs: Vol. 68 (1997)

OSHA Regulated: No

Silica-Group 3 (not classifiable as to carcinogenicity to humans.)

Signs and Symptoms of Exposure: In extreme exposures, some congestion may occur.

Medical conditions which may be aggravated by exposure: Pre-existing upper respiratory and lung disease such as, but no limited to, Emphysema and Asthma.

Acute Health Effects: Transitory upper respiratory irritant.

Chronic Health Effects: Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).

Emergency and First Aid Procedures: Material is non-poisonous.

Eyes: Flush with copious amounts of clean water for 15 minutes. If irritation persists, consult a physician.

Inhalation: Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

Section 7. Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Vacuum clean spillage. If sweeping is necessary, use a dust suppressant.

Waste Disposal Method: Bury as non-toxic waste in an approved landfill in accordance with all federal, state, and local regulations.

Precautions to be taken in handling as storing: Use techniques that minimize generating dust.

Other precautions: Material, when wet, may be slippery on a smooth surface. Use caution.

Section 8. Control Measures

Respiratory Protection: Use an approved dust mask, such as a particulate filter respirator.

Ventilation	Local Exhaust: Recommended	Special Other:
	Mechanical (General): Sweep or vacuum all spills.	Use filter-equipped vacuum to remove dust; Do not blow off with compressed air.

Protective Gloves: Not required.

Eye Protection: Goggles recommended.

Other Protective Clothing or Equipment: Not required.

Work/Hygienic Practices: Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off.

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