

# Mother Earth

## Material Safety Data Sheet – Expanded Perlite

713310, 713315

### Section II – Product Ingredients

Ingredient Name: Perlite CAS Number: 93763-70-3 PEL:15 mg/M3 TLV (total): 10 mg/M3

A mineral composed of sodium, potassium, aluminum silicate of variable composition. Perlite is considered a nuisance dust only. (Also called "Particulates Not Otherwise Classified (PNOC) by ACGIH).

Alpha-Cristobalite & Tridymite: Less than 0.1%

Alpha Quartz: <0.1% below detectable limits

### Section III – Physical Properties

Vapor Density (air=1)	N/A	Melting point or range, °F	1400+
Specific Gravity	.5/1.0	Boiling point or range °F	N/A
Solubility in Water:	<1%	Evaporation rate	N/A
Appearance and odor:	Granular white/gray. No odor.		

How to detect this substance (warning properties of substance as a gas, vapor, dust or mist)  
Visual only (dust). No gas, vapors, or mist emitted.

### Section IV – Fire and Explosion

Flash Point: Perlite is a fully oxidized, non-flammable mineral. It is noncombustible and non-flammable mineral.

Auto ignition: N/A

Flammable limits in air, Volume %: N/A Lower (LEL): N/A Upper (UEL): N/A

Fire extinguishing materials: N/A

water spray  carbon dioxide  foam  dry chemical  other

Special fire fighting procedure: N/A Unusual fire and explosion hazards: N/A

### **Section V – Health Hazard Information**

#### **A) Symptoms of exposure for each potential route of exposure**

Inhaled: Coughing

Contact with skin or eyes: Possible eye irritation from dust particles; wear eye protection.

Absorbed through skin: N/A

Swallowed: N/A

#### **B) Health Effects or risks from exposure**

Acute: None

Chronic: Excessive inhalation over long period may cause harmful irritation; use mask suitable for nuisance dust.

Target Organ: None

#### **C) First aid: emergency procedure**

Eye contact: Attempt to wash out with clear water; if unable, have particle removed by doctor.

Skin Contact: None.

Inhaled: Remove affected individual from dusty area to area with clean air.

Swallowed: None.

#### **D) Suspected Cancer Agent?**

No: This product's ingredients are not found in below lists.

Yes:  Federal OSHA  NTP  IARC

#### **E) Medical conditions aggravated by exposure**

Any respiratory illness which may be aggravated by a nuisance dust.

### Section VI – Reactivity Data

Stability:  Stable  Unstable

Incompatibility: Hydrofluoric Acid

Hazardous Polymerization:  May occur  Will not occur

Conditions to avoid: None in designed use.

Hazardous Decomposition Products: May react with hydrofluoric acid form toxic gas.

### Section VII – Spill, Leak & Disposal Procedures

Spill response procedures (include employee protection measures): Vacuum clean or sweep material; use respirators suitable for nuisance dust & eye protection.

Preparing wastes for disposal (container types, neutralization, etc.): Dispose in bulk or containers according to local dump requirements. No special treatment required.

Note: Dispose of all wastes in accordance with federal, state and local regulations.

### Section VIII – Special Handling Information

Ventilation and engineering controls: Maintain dust level below TLV.

Respiratory protection (type): Masks suitable for nuisance dust.

Eye protection (type): Protective goggles.

Gloves (specify material): Not required.

Work practices, hygienic practices: Use good housekeeping to avoid transient dust.

Other handling and storage requirements: Use good housekeeping to avoid transient dust.

Protective measures during maintenance of contaminated equipment: No special equipment, other than respirators and goggles.

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