

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.

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended to be given, and it is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.