



Safety Data Sheet

Section 1: Identification

Product Name: Espoma Organic Perlite

Product form: Perlite

Use of product: Soil Amendment

Distributed by:

The Espoma Company

6 Espoma Road

Millville, NJ 08332

Emergency phone number: 800-634-0603

Section 2: Hazard Information

Hazard Class: None.

Per GHS Classification this material is not deemed hazardous under the criteria outlined in the Federal OSHA Hazard Communication standard 29CFR 1910.1200

Signal Word: None

Applicable Pictogram: None

Precautionary Statement

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements..

Unclassified Hazards: None

Toxicity: None

Hazard(s) not otherwise classified (HNOC): None known.

While this product does not fall under the auspices of the OSHA or WHMIS this Safety Data Sheet contains information critical to the safe handling and proper use of the product. This SDS should be retained & made available to all employees & end users of the product

Section 3: Composition / Information on Ingredients:

CAS #	Name	Concentration
93763-70-3	Perlite	100 %

Comments: *Perlite may contain less than 1% Quartz (CAS # 14808-60-7)*



Section 4: First Aid Measures

Exposure	Recommendation
Inhalation	Provide fresh air
Skin Contact	Keep open wounds covered and clean as suggested by any good hygiene program.
Eye Contact	Rinse eyes with water. Do not rub eyes.

*No unusual procedures required.

Signs and Symptoms of Exposure: Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membrane and make lungs more vulnerable to respiratory disease.

Section 5: Fire-fighting Measures:

Extinguishing media: Use fire extinguishing materials appropriate for surrounding fire.

Unusual Fire & Explosion Hazards: None

Advice for Firefighters: If possible prevent runoff water from entering storm drains or bodies of water.

Flash Point (Method Used): Not applicable

Flammable Limits: Not applicable

Unusual Fire and Explosion Hazard: None

Special Fire-Fighting Procedures: None

Section 6: Accidental Release Measures:

Steps to Be Taken in Case Material is Released or Spilled: Use methods to clean spill which avoid creating airborne dust. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.

Section 7: Handling & Storage:

Handling: Handle in accordance with good industrial hygiene. Wash hands after handling. Avoid creating excessive dust during handling. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.

Storage: Store in a cool dry place out of reach of children and pets.

Incompatible Materials: None known



Section 8: Exposure Controls / Personal Protection:

Respiratory Protection (Specify Type):	If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.
Ventilation:	Local exhaust advisable if excessive dust is created.
Protective Gloves:	Not normally necessary but suggested in cases of open wounds that are not appropriately protected.
Eye Protection:	Protective eyewear should be worn where dust levels are high enough to cause irritation.
Protective Clothing or Equipment:	Normal work clothing.
Work/Hygienic Practices:	NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.

Exposure limits of Dust

	OSHA PEL		ACGIH TLV
Respirable Dust	5 mg/m ³	Respirable Particules	3 mg/m ³
Total Dust	15 mg/m ³	Inhalable Particules	10 mg/m ³

Section 9: Physical & Chemical Properties:

Appearance		Boiling Point	
Physical State:	Solid (granular)	pH	ND
Boiling Point	Not applicable	Specific Gravity (H₂O = 1)	ND
Vapor Pressure (mm Hg)	Not applicable	Melting Point	Not applicable
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water	Not applicable	Appearance and Odor	Off-white, fine granules



Section 10: Stability & Reactivity:

Stability: Stable

Possibility of hazardous reactions: None

Conditions to avoid: None Known

Incompatible materials: None Known

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information:

Acute and Chronic Toxicity:

Eye effects: Contact with eyes may cause irritation. Flush with plenty of water. **DO NOT RUB EYES.**

Skin effects: May cause skin irritation in susceptible persons

Chronic toxicity

Carcinogenic effects:

NTP	IARC	OSHA
None	None	None

Ingestion: Health injuries are not known or expected under normal use

Inhalation: Health injuries are not known or expected under normal use

Carcinogenicity: Long term exposure (10-15 years) to concentrated quartz dust; present in common soil mix ingredients such as Perlite may cause significant risk of lung damage (silicosis). However, product water content renders significant exposure unlikely under typical use conditions.

Section 12: Ecological Information:

No Information Available.

Section 13: Disposal Considerations:

No Information Available.



Section 14: Transport Information:

Regulatory information	UN no.	Proper shipping name	Class	PG*	Note
DOT		Not Regulated			
IATA (C)		Not Regulated			
IMDG		Not Regulated			
TDG		Not Regulated			

PG*: Packing group

Section 15: Regulatory Information:

No Information Available.

Section 16: Other Information:

5/1/2025

The information contained in this SDS is provided without warranty of any kind, express or implied. The information contained herein is made available solely for consideration, investigation, and verification by the original recipients hereof. Users should consider this information only as a supplement to other information gathered by or available to them. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials for the safety and health of employees, customers, and the environment. This hazard information is not a substitute for risk assessment under actual conditions of use. Users have the responsibility to keep currently informed on chemical hazard information, to design and update their own programs, and to comply with all applicable national, federal, state, and local laws and regulations regarding safety, occupational health, right to know, and environmental protection.