

SAFETY DATA SHEET

Section 1. Identification

Product identifier: Sunleaves Chunky Perlite
Chemical name: Sodium Potassium Aluminum Silicate
Recommended use: Soil amendment

Manufacturer name: Sunleaves Garden Products
7854 N. State Rd. 37
Bloomington, IN 47404
Telephone number: (812) 558-9000

Date of preparation: September 1, 2015

Section 2. Hazard(s) Identification

Classification:

Physical	Health	Environment
Not hazardous	Not hazardous	Not hazardous

Labeling:

N/A

Hazard statement(s):

N/A

Precautionary statement(s):

Follow instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust. Wash thoroughly after handling.
If exposed or concerned: Remove person from exposed area in case of inhalation.
Clean exposed open wounds with soap and water.

Section 3. Composition / Information On Ingredients

Chemical name	CAS No.	Concentration
Perlite, expanded	93763-70-3	100%

This product may contain crystalline silica (quartz) at below detectable levels (<1%); CAS No. 14808-60-7; OSHA PEL 0.1 mg/m³ (respirable).

Section 4. First-Aid Measures

Inhalation: Acute inhalation can cause dryness of the nasal passages and congestion of the upper respiratory tract. Remove to fresh air in case of inhalation. Drink water to clear throat and blow nose to evacuate dust.
Skin contact: Not absorbed by skin. May cause dryness. Use moisture-renewing lotions if dryness occurs.

Eye contact: May cause irritation or inflammation. Flush eyes with large quantities of water for 15 minutes, holding the eyelids apart. Contact a physician if irritation persists.

Ingestion: Short-term exposure not considered harmful. Drink water to reduce bulk.

Most important symptoms/effects, Acute: Exposure may aggravate existing skin and/or eye conditions.

Delayed: Perlite is a naturally occurring volcanic glass consisting of fused sodium, potassium, and aluminum silicate. OSHA has classified perlite as a Particulate Not Otherwise Regulated (PNOR) which has the same Permissible Exposure Limit (PEL) as that used for nuisance and inert dusts. Excessive inhalation over long periods of time may cause harmful irritation.

Indication of immediate medical attention and special treatment, if necessary: Contact a physician if irritation worsens, persists, or if symptoms appear.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: None required.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Dispose in accordance with federal, state and local regulations. Perlite is not considered hazardous.

Methods and materials for containment and cleaning up: Vacuum clean spillage. Wet sweep or wash away. Avoid creating dust.

Section 7. Handling And Storage

Precautions for safe handling: Repair or dispose of broken bags. Maintain good housekeeping procedures.

No special waste disposal precautions.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry area. Maintain dust levels below Threshold Limit Value (TLV). Protect from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: A NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants is recommended when airborne dust is present. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations which include provisions for a user training program, respirator repair and cleaning and respirator fit testing, among other requirements.

Skin protection: Not required, but protective gloves are recommended.

Eye protection: Safety glasses or goggles recommended to prevent dust from entering eyes.

Other: None.

Section 9. Physical And Chemical Properties

Appearance (physical state, color, etc.): White, solid granules. No odor.

Odor threshold: Not available	pH: Neutral
Melting point/Freezing point: Not available	Boiling point: Not available
Flash point: Not flammable	Evaporation rate: Not available
Flammability (solid, gas): Not flammable or combustible	Specific gravity: (H ₂ O=1): 2.33
Flammable limits: LEL: Not available	UEL: Not available
Vapor pressure: (MM Hg/70°F): Not available	Vapor density: (Air=1): Not available
Relative density: Not available	Solubility in water: Negligible
Partition coefficient: n-Octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

Section 10. Stability And Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: None in designed use.

Incompatible materials: Hydrofluoric acid.

Hazardous decomposition products: May react with hydrofluoric acid to form toxic silicon tetrafluoride gas.

Section 11. Toxicological Information

Inhalation: Acute inhalation can cause dryness of the nasal passages and congestion of the upper respiratory tract. Remove to fresh air in case of inhalation.

Ingestion: Short-term exposure not considered harmful.

Skin contact: Not absorbed by skin. May cause dryness.

Eye contact: May cause irritation or inflammation.

Chronic effects from short- and long-term exposure: Perlite is a naturally occurring volcanic glass consisting of fused sodium, potassium, and aluminum silicate. OSHA has classified perlite as a Particulate Not Otherwise Regulated (PNOR) which has the same Permissible Exposure Limit (PEL) as that used for nuisance and inert dusts. Although there are no published reports of adverse health effects from exposure to perlite dust, dust levels should be maintained below the OSHA PEL for PNORs and respirators should be used when airborne dust is present. Excessive inhalation over long periods of time may cause harmful irritation. Perlite is considered a nuisance dust by American Conference of Governmental Hygienists (ACGIH).

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Sensitization: None of the components have been shown to cause sensitization in animals or humans.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Carcinogenicity: N/A

Acute Toxicity Values: N/A

Section 12. Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: Non-biodegradable substance.
Bioaccumulative potential: Not expected to be bioaccumulative.
Mobility in soil: Biologically inactive material.
Other adverse effects: None known.

Section 13. Disposal Considerations

Vacuum clean spillage. Wet sweep or wash away. Avoid creating dust.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Special precautions: None known.

Section 15. Regulatory Information

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements.

SARA Hazard Category (311/312): N/A

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None.

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects): None.

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

Section 16. Other Information

NFPA Rating: Health = 1 Flammability = 0 Instability = 0
HMIS Rating: Health = 1* Flammability = 0 Physical Hazard = 0

*Refer to data elsewhere on SDS.

SDS revision history: All sections revised. Converted to GHS format.

Date of preparation: September 1, 2015

Date of last revision: September 1, 2015

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