

# Perlite Safety Data Sheet



## Section 1: Product Identification

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**Manufacturer:** NorCal Perlite Inc.

**Address:** 2605 Goodrick Avenue Richmond CA, 94801

**Contact Information:** Office: 510-232-7337 Fax: 510-232-8127

**Product:** Expanded Perlite in horticultural and Norlite grades.

**CAS#:** 93763-70-3

**Chemical makeup:** Sodium Potassium Aluminum Silicate

**Applications/Uses:** Versatile mineral used and not limited to, horticulture, construction, insulation, environmental clean-up/absorbent.

## Section 2: Hazards Identification

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### A. Summary of Risks and Symptoms

**OSHA Classification:** Considered a Nuisance dust only

**Pictograms:** N/A

**Signal Word:** N/A

**Hazard statement:** N/A

**HNOC:** N/A

### Supplemental Statement:

- Pre-existing respiratory conditions may increase with insulation, resulting in coughing, sneezing, and throat irritation.
- Direct eye contact may cause irritation.
- Direct Skin contact may cause drying and roughness.

### Supplemental Recommendations:

- Avoid creating fines to a minimum, while wearing NIOSH approved dust protection mask and eyewear. Use lotion or skin cream to prevent drying of the skin.
- Dispose of waste in accordance with applicable local, state and federal regulations.

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## Section 3: Composition and information on ingredients

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**Perlite CAS#** 93763-70-3-100%

**Quartz:** none detected

(Crystalline Silica)

## Section 4: First Aid Measures

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**Inhalation:** Find fresh air, Blow nose. Consult Physician if symptoms persist.

**Eyes:** Flush with Water by using eye wash station if available. **DO NOT RUB EYES**

Please consult physician if symptoms persist.

**Skin:** Wash with water. Apply creams or lotions to prevent drying.

## Section 5: Fire Fighting Measures

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Non- Flammable

## Section 6: Accidental Release measures

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**Spill or Leak Procedures:** Use appropriate personal protective equipment (PPE) and avoid creating unnecessary dust using normal cleanup methods: shovel brooms, vacuum with HEPA filter, or wet material prior to cleanup.

## Section 7: Handling and Storage

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**Handling Precautions:** Avoid creating unnecessary dust and use appropriate respiratory and eye protection.

**Storage precautions:** Keep Material Dry

**Incompatible Materials:** Hydrofluoric acid

## Section 8: Exposure Control/Personal Protection

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**Exposure Limit:** OSHA PEL: 15 mg/m<sup>3</sup> ACGIH TLV- 10 mg/m<sup>3</sup>

**Recommended PPE:** Appropriate NIOSH/OSHA approved dust masks and tight fitting safety glasses/goggles.

**Engineering Controls:** Proper ventilation to keep concentrations below exposure limits.

## Section 9: Physical and Chemical Properties

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<b>Appearance:</b>	Solid white or off white gray powder or granules.
<b>pH:</b>	6-9 (10% slurry in water)
<b>Flash Point:</b>	N/A
<b>Boiling point:</b>	N/A
<b>Boiling and decomposition points:</b>	N/A
<b>Melting points:</b>	2,100 F- 2,300 F
<b>Auto Ignition temperature:</b>	N/A
<b>Specific gravity:</b>	2.3
<b>Co-Efficient of Water/Oil distribution:</b>	N/A
<b>Water Solubility:</b>	Negligible
<b>Bulk Density:</b>	3-15 LBS. cu. ft.
<b>Odor:</b>	Odorless

## Section 10: Stability and Reactivity

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**Stability:** Stable under normal use and conditions

**Reactivity Hazards:** Hydrofluoric Acid

**Hazardous Decomposition Product:** Will react with hydrofluoric Acid to produce toxic silicon tetrafluoride.

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## Section 11: Toxicological Information

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**Acute Toxicity information:** None

LD/50LC50/LDLo (oral, dermal, inhalation) not established

**Symptoms:**

- Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate P.E.C.
- Ingestion- no symptoms known
- Aspiration Hazard- none.
- Direct eye contact will cause irritation, was well as dry skin.

**Delayed effects of short and long term exposure:** None known

**Mutagenic effects:** None

**Carcinogenic effects:** None

**Reproductive toxicity** (reproductive, developmental, and teratogenic): None

**Specific target Organ Toxicity** (single or repeated exposure): None

## Section 12: Ecological information

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Perlite is a natural occurring mineral and has no known Eco toxic effects.

## Section 13: disposal considerations

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Perlite, by itself, is a non-hazardous waste and should be disposed of in accordance with applicable local, state and federal regulations.

## Section 14: Transportation Information

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Proper Name: Expanded Perlite

DOT: Not regulated

TDG/IMO/ICAO: Not regulated

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## Section 15: Regulatory Information

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<b>OSHA:</b>	Perlite is NOT considered a hazardous or toxic substance.
<b>WHMISL</b>	N/A
<b>SERA:</b>	Not listed
<b>TSCA:</b>	Not Listed

## Section 16: Other Information

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The Information provided in this document is correct to the best of our knowledge as of the publication date. This information pertains only to the material specified and may not be valid when this material is combined with other materials or subjected to other processes. No warranty or quality specification is implied by this information. It is the responsibility of the user to handle the designated material in a safe manner and comply with all applicable local, State and Federal regulations.

### Prepared by:

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June 23<sup>rd</sup> 2015