

# Safety Data Sheet

Revised January, 2014

## Section 1. Identification

### Aurora Innovations Precision Perlite, Coarse

Company: Aurora Innovations post office box 22041 • Eugene, Oregon 97402 www.aurorainnovations.com  
Phone: 866 376 8578 (toll free); **Emergency Phone: (541) 913-9612**

Name: **Precision Perlite, Coarse**

Recommended for use as a growing media. Great for plants but do not breathe in, spill on, or feed to people or pets.

## Section 2. Hazard(s) identification

Hazardous components:

Nuisance Dust	CAS		OSHA PEL	ACGIH TLV
Perlite	93763-70-3	100%	15 mg/M3	10mg/M3

## Section 3. Composition

A mineral composed of sodium potassium aluminum silicate of variable composition.

Chemical description Volcanic Glass – Expanded amorphous sodium potassium aluminum silica.

### Physical/Chemical Characteristics

Appearance	White to grey aggregate
Boiling point	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Solubility in water	Low solubility
Odor	Odorless
pH	6.5 – 7.5
Specific gravity	2.2 – 2.4
Melting point	1200 – 1300 ° C

## Section 4. First Aid Measures

Inhalation: Remove to fresh air if breathing difficult. Blow nose and drink water to clear nasal passages and throat.

Eyes: Will irritate on contact. Do not rub eyes. Wash out quickly with lots of water to remove any dust particles. Contact a physician if irritation persists.

Ingestion: Drink plenty of water.

Skin: Wash with soap and water.

Signs/symptoms of exposure: Inhaling nuisance dust over long periods of time may cause congestion and irritation of the lungs and upper respiratory system, and may overload lung clearance and make lungs vulnerable to respiratory disease. May aggravate pre-existing medical conditions such as upper respiratory and lung diseases such as bronchitis, emphysema and asthma.

Carcinogenicity: None known.

## Section 5. Fire Fighting Measures and Explosion Information

Flash point	Not applicable
Flammable limits	Not applicable
Extinguishing media	Not applicable
Fire and explosion hazards	Not applicable
Special fire fighting procedures	No special methods required

### Reactivity Data

Stability	Stable at normal temperatures
Conditions to avoid	None for designated use
Incompatibility	Hydrofluoric acid
Hazardous polymerization	Will not occur
Hazardous decomposition	Reacts with hydrofluoric acid and forms toxic/silicon tetra fluoride gas

## Section 6. Accidental Release Measures

If spilled, sweep or vacuum. Avoid dust. Use eye protection and NIOSH approved respirator for nuisance dust. Dispose as soil. Decontamination is unnecessary. No environmental hazards.

## Section 7. Handling and Storage

Respiratory protection: Use NIOSH approved respirator for nuisance dust.

Protective gloves/clothing: Rubber or plastic recommended for repeated or prolonged contact.

Eye protection: Chemical splash goggles recommended for nuisance dust. Safety glasses suffice otherwise.

Ventilation: Exhaust fan recommended for dust control.

Work practices: Use good housekeeping practices.

Incompatibility: Hydrofluoric acid

## Section 8. Exposure controls/personal protection

Nuisance Dust	CAS		OSHA PEL	ACGIH TLV
Perlite	93763-70-3	100%	15 mg/M3	10mg/M3

Respiratory protection: Use NIOSH approved respirator for nuisance dust.

Protective gloves/clothing: Rubber or plastic recommended for repeated or prolonged contact.

Eye protection: Chemical splash goggles recommended for nuisance dust. Safety glasses suffice otherwise.

Waste disposal method: Package material to avoid dusting. Dispose of at an approved landfill, or dispose of as soil.