

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

**Trade Name (as labeled):** Perlite (Expanded)  
**Manufacturer's Name:** American Garden Perlite  
**Website:** [www.agperlite.com](http://www.agperlite.com)  
**Address:** 31 S. Airport Road  
Lake Wales, FL 33859  
**Phone Number:** (855) 797-5483  
**Date Revised:** 05/12/2016

## II. PRODUCT INGREDIENTS

**Ingredient Name:** Perlite  
**CAS Number:** 93763-70-3  
**Percentage:** 100  
**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 (also called "Particulates Not Otherwise Classified (PNOC) by ACGIH).

**Alpha-Cristobalite & Tridymite:** Less than 0.1%  
**Alpha Quartz:** 0.01 to 0.05%

## III. PHYSICAL PROPERTIES

<b>Vapor Density (air=1):</b>	NA	<b>Melting point or range (°F):</b>	2000+
<b>Specific Gravity:</b>	2.35	<b>Boiling point or range (°F):</b>	NA
<b>Solubility in Water:</b>	<1%	<b>Evaporation rate (butyl acetate =1):</b>	NA
<b>Vapor Pressure (mmHg @20°C):</b>	NA		
<b>Appearance and odor:</b>	White to off white granules, 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.

## IV. FIRE AND EXPLOSION

**Flash Point, °F (give method):** Perlite is a fully oxidized, non-flammable mineral.  
It is noncombustible and non-flammable.  
**Auto ignition temp., °F:** NA  
**Flammable limits in air, Vol. %:** NA lower (LEL) NA upper (UEL) NA

**Fire extinguishing materials:** NA  
\_\_\_\_ water spray      \_\_\_\_ carbon dioxide      \_\_\_\_ other  
\_\_\_\_ foam              \_\_\_\_ dry chemical

**Special fire-fighting procedures:** NA

**Usual fire and explosion hazards:** NA

## V. HEALTH HAZARD INFORMATION

### 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:** NA  
**Swallowed:** NA

### 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

### First Aid: Emergency Procedures

**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

### Suspected Cancer Agent?

No: This product's ingredients are not found in below lists.  
 Yes     Federal OSHA     NTP     IARC

### Medical Conditions Aggravated by Exposure:

Any respiratory illness, which a nuisance dust may aggravate.

## VI. REACTIVITY DATA

**Stability:**  Stable                       Unstable  
**Incompatibility:** Hydrofluoric Acid  
**Hazard Polymerization:**  May Occur                       Will Not Occur  
**Conditions to Avoid:** None in designed use

**Hazardous Decomposition Products:** May react with hydrofluoric acid to form toxic gas.

## **VII. SPILL, LEAK, AND DISPOSAL PROCEDURES**

**Spill response procedures (include employee protection measures):**

Vacuum clean or sweep material; Use respirators suitable for nuisance dust and 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.**

## **VIII. SPECIAL HANDLING INFORMATION**

**Ventilation and engineer 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 or given, and it is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.