

# Material Safety Data Sheet – Perlite

## I. Product Identification

**Trade Name (as labeled):** Therm-O-Rock Perlite

**Manufacturers Name:** Therm-O-Rock West, Inc.

**Website & Email:** www.thermorock.com  
general@thermorock.com

**Address:** 6732 W Willis Road #5014  
Chandler, AZ 85226

**Phone:** (520) 796-1000

**Date Prepared or Revised:** February 9, 2012

## II. Product Ingredients

Ingredient Name	CAS Number	%	PEL	TLV (total)
Perlite	93763-70-3	100	15 mg/M3	10mg/M3

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

Perlite is considered a nuisance dust (also called "Particulates Not Otherwise Classified (PNO) by ACGIH).

HMIS Code: Health – 0, Fire – 0, Reactivity – 0, Personal Protection – X.

Alpha-Cristobalite & Tridymite: Less than 0.1%

Alpha Quartz: <0.1% below detectable limits

## III. Physical Properties

<b>Vapor Density (air=1)</b>	N/A	<b>Melting point or range. °F</b>	2000+
<b>Specific Gravity</b>	2.35	<b>Boiling point or range. °F</b>	N/A
<b>Solubility in Water</b>	<1%	<b>Evaporation rate (butyl acetate = 1)</b>	N/A
<b>Vapor Pressure</b> (mmHh @ 20°C)	N/A		

**Appearance and order:** 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** N/A

**Flammable limits in air, Vol. %** N/A lower (LEL) N/A upper (UEL) N/A

**Fire Extinguishing materials:** N/A

\_\_\_\_\_ water spray \_\_\_\_\_ carbon dioxide \_\_\_\_\_ other

\_\_\_\_\_ foam \_\_\_\_\_ dry chemical

**Special fire fighting procedures:** N/A

**Usual fire & explosion hazards:** N/A

## 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:** N/A

**Swallowed:** N/A

**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 illnesses, which a nuisance dust may aggravate.

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**VI. Reactivity Data**

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**Stability:**  Stable  Unstable  
**Incompatibility:** Hydrofluoric Acid  
**Hazardous Polymerization:**  May occur  Will not occur  
**Conditions to avoid:** None in designed use.  
**Hazardous Decomposition Products:** May react with hydrofluoric acid form toxic gas.

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**VII. Spill, Leak & Disposal Procedures**

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

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

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**VIII. SPECIAL HANDLING INFORMATION**

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**Ventilation and engineering controls:**

Maintain dust level below TLV.

**Respirator protection (type):**

Masks suitable for nuisance dust.

**Eye Protections (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 measure during maintenance of contaminated equipment:**

No special equipment, other than respirators and goggles.

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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.