



### **Section 1: PRODUCT IDENTIFICATION**

**Product Name:** Raw Perlite Ore  
**Chemical Name:** Perlite or Amorphous volcanic glass  
**CAS#:** 93763-70-3  
**Uses:** Industrial Mineral for Horticulture, Construction, Industrial, Insulation

**Manufacturer:** Cornerstone Industrial Minerals Corporation, U.S.A.  
96078 Industrial Lane  
Lakeview, Oregon 97630  
Phone: 541-947-5755

### **Section 2: HAZARDS IDENTIFICATION**

**Classification:** Considered a nuisance dust only  
**Signal Word:** None required  
**Pictograms:** None required  
**Hazard Statements:** None required  
**HNOC:** None required

#### **Supplemental Statements:**

- Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate pre-existing respiratory conditions.
- Direct eye contact may cause mechanical irritation.
- Direct skin contact may cause drying or roughness.

#### **Supplemental Recommendations:**

- Avoid creating unnecessary dust, and wear NIOSH approved dust protection mask.
- Wear NIOSH approved eye protection when encountering perlite dust.
- Apply skin creams or lotions to prevent drying.
- Dispose of waste in accordance with applicable local, State, and Federal regulations.

### **SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS**

**Perlite CAS #:** 93763-70-3—100%  
**Quartz:** none detected  
(crystalline silica)

### **SECTION 4: FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. Blow nose. Consult physician if symptoms persist.  
**Eyes:** Flush with water. **DO NOT** rub eyes. Consult physician if symptoms persist.  
**Skin:** Wash with water. Apply creams and lotions to prevent drying.

## **SECTION 5: FIRE FIGHTING MEASURES**

Non-Flammable

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spill or Leak Procedures:** Avoid creating unnecessary dust using normal cleanup methods: shovels, brooms, vacuum with HEPA filter, or wet material prior to cleanup.

## **SECTION 7: HANDLING & STORAGE**

**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 CONTROLS/PERSONAL PROTECTION**

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

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

**Recommended PPE:** Appropriate NIOSH dust respirator, tight –fitting safety glasses or goggles and gloves.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State (Appearance):** Gray to off Gray, Brown

**Odor:** Odorless

**pH:** 7.0-7.6

**Flash Point:** N/A

**Boiling Point:** N/A

**Auto-ignition Temperature:** N/A

**Melting Point:** 2,100 F – 2,300 F

### **Boiling & Decomposition**

**Points:** N/A

**Specific Gravity:** 1.43 g/ml

**Bulk Density:** 65-70 lb. per cubic foot

**Water Solubility:** Negligible

**Co-efficient of Water/Oil**

**Distribution:** N/A

## **SECTION 10: STABILITY AND REACTIVITY**

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

**Reactivity Hazards:** Hydrofluoric Acid

### **Hazardous Decomposition**

**Products:** Will react with hydrofluoric acid to produce toxic silicon tetrafluoride.

**Hazardous Polymerization:** None

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity Information:** None

**LD50/LC50/LDLo (Oral, Dermal, Inhalation):** Not established

### **Symptoms:**

- Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate pre-respiratory conditions.
- Direct eye contact will cause mechanical irritation
- Direct skin contact may cause drying and roughness.
- Ingestion - no symptoms known
- Aspiration Hazard - none

**Delayed Effects of Short and Long-term Exposure:** None known

**Mutagenic Effects:** None

**Carcinogenic Effects:** None

**Reproductive Toxicity (reproductive, developmental, teratogenic):** None

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

## **SECTION 12: ECOLOGICAL INFORMATION**

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

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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**

**Proper Name:** Raw Perlite Ore

**DOT:** Not Regulated

**TDG/IMO/ICAO:** Not Regulated

## **SECTION 15: REGULATORY INFORMATION**

**MSHA:** Perlite is NOT considered a hazardous or toxic substance.

**WHMIS:** N/A

**SERA:** Not listed

**TSCA:** Not listed

## **SECTION 16: OTHER INFORMATION**

The information contained herein is believed to be accurate and is provided in good faith to comply with applicable, Federal, State, and local laws. However, no warranty or representation with respect to such information is intended or given.

Prepared by: Cornerstone Industrial Minerals Corporation, USA  
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