



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/m³, ACGIH TLV- 10 mg/m³
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: STABILTY 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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