

CORNERSTONE INDUSTRIAL MINERALS

SAFETY DATA SHEET

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 .
- Direct eye contact may cause irritation.
- Direct skin contact may cause drying.

Supplemental Recommendations:

- Avoid creating unnecessary dust, and wear NIOSH approved dust protection mask.
- Wear approved eye protection.
- 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

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.

SECTION 5: FIRE FIGHTING MEASURES

Non-Flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Avoid creating unnecessary dust. Normal cleanup using shovels, brooms vacuum or wet material. Use appropriate PPE.

SECTION 7: HANDLING & STORAGE

Handling Precautions: Avoid creating unnecessary dust using normal cleanup methods.

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.

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 Point: 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 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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May 15, 2015