

CORNERSTONE INDUSTRIAL MINERALS
MATERIAL SAFETY DATA SHEET
RAW PERLITE ORE

I. Product Identification

Trade Name: Cornerstone Perlite Ore or Tucker Hill Perlite Ore

Manufacturer's Name: Cornerstone Industrial Minerals, Inc.
 Address: 96078 Industrial Lane, Lakeview, Oregon 97630 USA
 Contact Numbers: Phone: 541-947-5755 Fax: 541-947-5755

Origin of Raw Material: Tucker Hill Pit, 35 miles north of Lakeview, Oregon USA

Date Prepared or Revised: July 8, 2007, Gregory French, Consultant, CPG 10708

II. Product Ingredients

<u>Chemical Names</u>	<u>CAS Number</u>	<u>Exposure Limits in Air (units)</u>	
Perlite or Amorphous volcanic glass	93763-70-3	OSHA PEL 15 mg/m ³	ACGIH TLV 10 mg/m ³

Composition: Sodium-potassium-aluminum- silicate of variable composition, perlite is considered nuisance dust only.

<u>Hazardous Minerals</u>	<u>Concentration</u>	<u>last date Analyzed</u>
Cristobalite / Tridymite	None Detected	3/31/03
Alpha Quartz	None Detected	3/31/03
Asbestos	None Detected	11/3/02

III. Physical Properties

Appearance and odor: off-white-gray granules, no odor

Boiling Point: NA	Evaporation rate: NA
Vapor Pressure(air=1): NA	Specific gravity(water=1): 2.3
Water solubility (%): Nil	Melting Point: 1200° C
Vapor density (air=1): NA	% volatile by volume: Nil

HOW TO DETECT THIS SUBSTANCE (warning properties of substance)

Dust- visual only Gas, Vapor, or Mist – none emitted

IV. Fire and Explosion

Flash Point: Non-flammable	Special fire fighting procedures: None
Flammable limits: NA	NFPA flammable/combustible liquid class: NA
Extinguishing Media: NA	Auto-ignition temperature: NA
Unusual fire or explosive hazards: NA	

V. Health Hazard Information

A. Summary of risks and Symptoms

OSHA considers perlite to be a nuisance dust.

Inhaled: Pre-existing upper respiratory and lung diseases may be aggravated, coughing.

Contact with skin or eyes: Possible eye irritation from dust particles, wear eye protection.

Absorbed through skin: N/A

Swallowed: N/A

B. Signs and symptoms of overexposure

Inhalation: May cause congestion or irritation of upper respiratory system.

Skin contact: None

Skin absorption: None

Ingestion: Generally regarded as safe by the FDA.

Eyes: Can cause transitory irritation, wear eye protection.

C. First Aid: Emergency procedures

Inhalation: Remove to fresh air. Drink water and blow nose to evacuate dust.

Skin contact: N/A

Skin Absorption: N/A

Ingestion: N/A

Eye contact: Flush eyes with copious amounts of water.

D. Suspected Cancer Agent? No

VI. Reactivity Data

Stability: Stable, Hazardous polymerization will not occur.

Chemical incompatibilities: Hydrofluoric acid.

Conditions to avoid: Contact with hydrofluoric acid.

Hazardous decomposition products: Reacts with hydrofluoric acid to form toxic silicon tetrafluoride gas.

VII. Spill, Leak, and Disposal Procedures

Procedures for spill/leak: Vacuum or wet sweep. Avoid dusting. Use dust suppressant when sweeping.

Waste Management: Non-hazardous as defined by RCRA (40CFR part 261). Dispose in bulk or containers according to local dump requirements. No special treatment required.

VIII. Special Protection Information

Goggles: Not normally required

Gloves: Not normally required. My use gloves to protect overly sensitive skin.

Respirator: Use NIOSH approved masks suitable for nuisance dust.

Ventilation: If necessary, use local ventilation to keep dust levels below PEL and TLV.

Special considerations for repair/ maintenance of contaminated equipment: Insure proper respiratory protection.

IX. Special Precautions

Storage segregation hazard classes: NA

*** Always segregate materials by major hazard class***

Special handling/storage: None

Special workplace engineering controls: Not normally required

Other: Comply with all federal, state, provincial, and local regulations