

Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department Of Labor

Occupational Safety and Health Admin.
(GHS Format)
Form Approved
OMB No. 1218-0072

Identity (As used on Label and List)

Perlite (Expanded or Raw Ore)
CAS No. 130885-09-5

Note: Blank spaces are not permitted. If any item is not applicable, or
information is not available, the space must be marked to indicate this.

GHS STATEMENT: This product does NOT contain any harmful substances listed in GHS
WHMIS STATEMENT: This product is classified as an UNCONTROLLED product according to
WHMIS classification criteria.

Section I: Identification

Product Identification: Perlite Ore / Expanded Perlite

Manufacturer's Identification:

Contact Telephone Numbers

Hess Perlite

(208) 766-4777

Address

100 Hess Drive
Malad, Idaho 83252

Emergency Telephone Number:

(208) 766-2655

Date Prepared: **1 January 2017**

Section II: Hazards Identification

None (Quartz content below detectable limits of 0.1%)

Section III: Composition Information:

Chemical Identity, major components: Perlite: **Sodium Potassium Aluminum Silicate**

$M_xO_y \text{ SiO}_2$ (M=Al, Ca, Mg + other minor metal oxides, with bound amorphous silica (SiO_2))

Common Names: **Perlite**

HMIS (Hazardous Materials Identification System Ratings – NPCA/CPCA)

Based on hazard rating of 4 = Most severe

Health 0

Flammability 0

Reactivity 0

Personal Protection:

Use approved dust mask; goggles to prevent eye irritation.

Section IV – First Aid

Material is non-poisonous.

Eyes – Flush with copious amounts of clean water for 15 minutes. If irritation persists, consult a physician.

Inhalation – Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

Section V – Fire and Explosion Hazard Data

Flash Point: **N/A**

Flammable Limits: **N/A**

LEL: **N/A**

UEL: **N/A**

Extinguishing Media: **N/A**

Special Fire Fighting Procedures: **N/A**

Unusual Fire and Explosion Hazards: **None**

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Section VI – Accidental Release

Vacuum all clean spillage. If sweeping is necessary, use a dust suppressant.

Section VII – Handling and Storage

Precautions to be taken in handling as storing: Use techniques that minimize generating dust.

Other precautions: Material, when wet, may be slippery on a smooth surface. Use caution.

Section VIII– Exposure Controls / Personal Protection

Respiratory Protection: Use an approved dust mask, such as a particulate filter respirator.

Ventilation	Local Exhaust: Recommended	Special Other:
	Mechanical (General): Sweep or vacuum all spills	Use filter-equipped vacuum to remove dust; Do Not blow off with compressed air.

Protective Gloves: **Not Required**

Eye Protection: **Goggles recommended.**

Other Protective Clothing or Equipment: **Not Required**

Work / Hygienic Practices: **Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off.**

Section IX – Physical/Chemical Properties (N/A = Not Applicable)

Boiling Point:	N/A	Specific Gravity	2.35
Vapor Pressure (mm Hg.):	N/A	Melting Point	N/A
Vapor Density : Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water:	Negligible	pH	7.2
Appearance and Odor :	Off-White Powder. No odor.		

Section X – Stability and Reactivity

Stability	Unstable	Conditions to Avoid
	Stable <input checked="" type="checkbox"/>	No special precautions

Incompatibility (Materials to Avoid): **No Incompatibility. (Reacts with hydrofluoric acid: soluble in HF)**

Hazardous Decomposition of Byproducts: **May react with hydrofluoric acid to form toxic silicon tetra-flouride gas.**

Hazardous Polymerization	May Occur	Conditions to Avoid:
	Will Not Occur <input checked="" type="checkbox"/>	No special conditions

Section XI – Toxicological Information

Classified as Nuisance Dust only.

Route(s) of Entry:

Inhalation: **Yes**

Skin: **No**

Ingestion: **Non-Hazardous**

Carcinogenicity: NTP? **No** IARC Monographs? **Vol. 68 (1997)**
Silica-Group 3. (Not classifiable as to carcinogenicity to humans.)

OSHA Regulated? **No**

Signs and Symptoms of Exposure: **In extreme exposures, some congestion may occur.**

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Section XI – Toxicological Information (Continued)

Medical conditions which may be aggravated by exposure: **Pre-existing upper respiratory and lung disease such as, but not limited to, Emphysema and Asthma.**

Acute health effects: **Transitory upper respiratory irritant.**

Chronic health effects: **Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).**

Section XII – Ecological Information

No special considerations.

Section XIII – Disposal considerations

Bury as non-toxic waste in an approved landfill in accordance with all federal, state and local regulations.

Section XIV – Transportation Information

Not controlled by IATA and to be considered as non-dangerous goods.

Section XV – Regulatory Information

Not regulated.

Section XVI – Other

No other special considerations.