



Industrial Services
www.fabcoind.com

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HMIS Ratings NFPA Health	*	Health	*
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
Personal Protection	E	Personal Protection	0

HMIS Ratings: 0 = Minimal Hazard E = Dust Respirator
NFPA Ratings: 0 = Insignificant 1 = Slight
Both: * = Refer to data on MSDS

SECTION I – PRODUCT IDENTIFICATION

MANUFACTURER INFORMATION: FabCo Industrial Services
1060 Breezewood Ln. Ste. 6
Neenah, WI 54956
Phone: 920-729-5065 Fax: 920-729-5066

PRODUCT IDENTIFICATION: Trade Name: Perlite

Chemical Name: Sodium Potassium Aluminum Silicate

Chemical Formula: Mixture

CAS Number: 93763-70-3

SECTION II – PRODUCT INGREDIENTS	CAS No.	%	OSHA PEL	ACGIH TLV
Ingredient Name				
Perlite, expanded	93763-70-3	100	15 mg/ m ₃ (total)	10mg/ m ₃ (total)
5 mg/ m ₃ (respirable)		3 mg/ m ₃ (respirable)		

SECTION III – PHYSICAL DATA

Physical State: Solid

PHYSICAL DATA Appearance and Odor: White granules, odorless

- Boiling Point: N/A
- Freezing Point: N/A
- Vapour Pressure: N/A
- Vapour Density (Air-1): N/A
- Specific Gravity (Water-1): 2.33
- pH: Neutral
- Solubility in Water: Negligible
- Percent Volatiles by Volume: N/A

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: Non-flammable
FIRE AND EXPLOSION DATA Flammable Limits: N/A
Extinguishing Media: N/A
Unusual Fire and Explosion Hazards: None
Unusual Fire Fighting Procedures: None

SECTION V – HEALTH HAZARDS

Perlite is a naturally occurring volcanic glass consisting of fused sodium potassium aluminum silicate. OSHA has classified perlite as a Particulate Not Otherwise Regulated (PNOR), which has the same Permissible Exposure Limit (PEL) as that used for nuisance and inert dusts. Although there are no published reports of adverse health effects from exposure to perlite dust, dust levels should be maintained below the OSHA PEL for PNORs and respirators should be used when airborne dust is present. Excessive inhalation over long periods of time may cause harmful irritation. Perlite is considered a nuisance dust by American Conference of Governmental Industrial Hygienists (ACGIH).

Medical Conditions which may be aggravated: pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma

Target Organs: Lungs, eyes

Route of Entry: Inhalation, dust contact with eyes.

Acute Health Effects: Transitory upper respiratory irritant. May cause coughing or throat irritation.

Chronic Health Effects: Excessive inhalation of any mineral dust can overload the lung clearance mechanism

SECTION VI – REACTIVITY DATA

REACTIVITY DATA Stability: Stable

Chemical Incompatibilities: Hydrofluoric Acid

Condition to Avoid: None is designed to use. Avoid contact with hydrofluoric acid.

Hazardous Decomposition Products: Reacts with Hydrofluoric Acid to form Toxic Silicon Tetra fluoric Gas

SAFE HANDLING AND USE

SAFE HANDLING Personal Protective Equipment: An adequate protective device, such as an N95 respirator, is recommended when the PEL is exceeded and/or when airborne dust is present
Gloves: Not normally required

Goggles: Goggles to prevent dust from entering eyes.

Engineering controls: Local if necessary to maintain allowable PEL or TLV levels.

Leak and Spillage Procedure: Vacuum clean spillage. Wet sweep or wash away. Avoid creating dust.

Waste Management: Dispose in accordance with federal, state/provincial and local regulations. Perlite is not considered a hazardous waste under RCRA (40CFR Part 261)

Handling Procedures: Repair or properly dispose of broken bags. Maintain good housekeeping procedures.

Storage Segregation Hazard Classes: N/A

Special Shipping Instructions: None

SECTION VIII – FIRST AID MEASURES

Skin: Not absorbed by skin. May cause dryness. Use moisture-renewing lotions if dryness occurs.

Eyes: May cause irritation or inflammations. Flush eyes with copious quantities of water. If irritation persists, call a physician.

Inhalation: Acute inhalation can cause dryness of the nasal passages and congestion of the upper respiratory tract. Remove to fresh air.

Drink water to clear throat and blow nose to evacuate dust.

Ingestion: Short term exposures not considered harmful. Drink water reduce bulk.

Prepared/Revised by: Michael Edwards, Vice President

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