



Symbol	None
Signal word	None
Hazard Statement	None
Precautionary Statement	See Section 8 for Personal Protection Advice
Other Hazards	None Known

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Identifiers	LD50 / LC50	% by weight	Classification
Perlite	CAS # 93763-70-3	Not Available	100	None

### 4. FIRST AID MEASURES

**General Advice: When Symptoms persist or in all cases of doubt seek medical advice**

#### Description of First Aid Measures

In the event of exposure by inhalation:

Remove to fresh air.  
Encourage patient to blow nose to ensure clear breathing passages.  
If irritation or discomfort persists seek medical attention.

In the event of contact with eyes:

Wash out immediately with fresh running water  
Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  
If irritation persists or recurs seek medical attention.  
Removal of contact lenses should only be undertaken by skilled personnel.

In the event of contact with skin:

Flush skin and hair with running water (and soap if available)  
Seek medical attention in event of irritation

In the event of swallowing:

Give a glass of water. Do not induce vomiting.  
First aid is not generally required.  
If in doubt, contact a Poison Information Center or a doctor.

### Most important symptoms and effects, both acute and delayed

None known

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## 5. FIRE-FIGHTING METHODS

**Fire and Explosion Hazard** Negligible fire hazard. Potential explosion hazard by dust cloud ignited by sparks.

**Extinguishing Media** Foam, dry chemical, carbon dioxide & water suitable for surrounding material

**Suitable Methods of Extinction** Use methods suitable for surrounding material

**Unsuitable Methods of Extinction** None known

### Special Hazards arising from the mixture

None known

### Advice for Firefighters

Firefighters must wear appropriate and approved self-contained, full-face breathing apparatus, full protective outerwear and gloves.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid creating dust clouds, and contact with skin and eyes  
Wear gloves, dust goggles and dust mask

### Environmental Concerns

Prevent spillage from entering drains or water courses  
Recover product wherever possible  
No special environmental measures are necessary

## Methods and material for containment and cleaning up

Dampen to avoid generating dust  
Sweep up, shovel up or vacuum up  
Place spilled material in clean, dry, sealable container

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid generating dust or fumes  
Treat as nuisance dust  
Provide adequate ventilation  
Avoid contact with skin, eyes and clothing  
Keep away from incompatible products

### Recommended equipment and procedures

Wear protective gloves, dust goggles, and dust mask  
Wash-up thoroughly after use and before eating or drinking  
Wash contaminated clothing before wearing again

### Prohibited equipment and procedures

No smoking, eating or drinking in areas where the mixture is used

### Conditions for safe storage, including an incompatibilities

Storage      Store with other dusty materials away from sparks and products that could be affected by dust  
Packaging    Store in original containers or containers with tight fitting lid

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Occupational exposure limits: Treat as nuisance dust

Chemical Name	Result	ACGIH	WHIMIS	NIOSH
Perlite (containing >0.1% quartz	TWA	10 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> respirable	10mg/m <sup>3</sup> 3 mg/m <sup>3</sup> respirable	10mg/m <sup>3</sup> 3 mg/m <sup>3</sup> respirable

## Exposure controls

Engineering Controls

Treat as nuisance dust

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits

## PERSONAL PROTECTIVE EQUIPMENT



**RESPIRATORY** Ensure that there is adequate ventilation, especially in confined areas  
Avoid breathing dust or fumes  
Use a dust mask in accordance with local regulations

**EYES / FACE** Wear dust goggles in accordance with local regulations  
Prescription glasses are not considered as protection  
Individuals wearing contact lenses should wear prescription glasses instead when handling the mixture  
Provide eyewash stations in facilities where the product is handled constantly

**HANDS** Use rubber gloves in accordance with local regulations

**SKIN / BODY** Wear suitable protective clothing i.e. coveralls, work boots  
Work clothing worn by personnel should be laundered regularly

## GENERAL INDUSTRIAL HYGIENE CONSIDERATIONS

Handle in accordance with good industrial hygiene and safety practice  
Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. In areas of high concentration, eye wash should be available close to work areas

## ENVIRONMENTAL HYGIENE CONTROLS

Follow best practice for site management and disposal of waste. Avoid release to the environment

Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygiene

TWA = Time Weighted Averages are based on 8h/day, 40hr/week exposures

NIOSH = National Institute of Occupational Safety and Health

WHMIS = Workplace Hazardous Material Information System

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Appearance** White to off-white powder

**Physical State** Powder

Important health, safety and environmental information:

pH 6.5 - 7.5, as 10% slurry in distilled water

<b>Odor</b>	Order less	<b>Specific Gravity</b>	2.4
<b>Boiling Point (°C)</b>	Not Applicable	<b>Vapor Density</b>	No data available
<b>Solubility (H2O)</b>	Miscible	<b>Flash Point (°C)</b>	No data available
<b>Melting Point (°C)</b>	No data available	<b>Lower Explosive Limit</b>	No data available
<b>Vapor Pressure (kPa)</b>	Not Applicable		
<b>Other Information</b>	No data available		

## 10. STABILITY AND REACTIVITY

**Reactivity** No data available

**Chemical Stability** Stable under normal conditions

**Possibility of Hazardous Reactions** Toxic silicon tetrafluoride gas will result with contact with hydrofluoric acid (HF)

**Conditions to avoid** Avoid excessive dust near electrical or spark generating equipment  
Avoid extreme heat

**Incompatible materials** Avoid contact hydrofluoric acid (HF)

**Hazardous decomposition products** Toxic silicon tetrafluoride gas will result with contact with hydrofluoric acid (HF)  
DO NOT breathe smoke or fumes.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Mixture** The mixture has not been classified as toxic by OSHA, NIOSH, ACGIH, WHMIS or any other governing body.

**Skin** Chronic over-exposure may cause dermatitis in sensitive individuals

**Eyes** Chronic over-exposure may produce conjunctivitis

**Inhalation** The mixture is not thought to produce long-lasting health effects or irritation of the respiratory tract. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

**Ingestion** Acute ingestion may result in gastrointestinal distress while chronic exposure may increase damage to kidney or liver in individuals with pre-existing damage or disease. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Carcinogenicity: Contains less than 0.1% crystalline silica, and low percentages of particles of respirable size, hence present very low risk

IARC: Not Reviewed

ACGIH: PNOS (Particulates Not Otherwise Specified) Not carcinogenic

Reproductive Toxicity: Not available

Teratogenicity: Not established

Embryotoxicity: Not available

Mutagenicity: Ames: Not available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Aquatic toxicity** Low hazard for usual industrial or commercial handling

Approved for use in soils.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product waste** Dispose of content and / or container in accordance with local, regional, national, and /or international regulations

**Packaging waste** Dispose of content and / or container in accordance with local, regional, national, and /or international regulations

## 14. TRANSPORTATION INFORMATION

**Classification:** NONE  
This mixture is not regulated as a hazardous material by DOT, TFG, IMO/IMDG or IATA/ICAO

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations / legislation specific for the substance or mixture

OSHA	No label is required by Hazard Communication Standard 29 CFR 1910.1200 (f)
TSCA	Included as a naturally occurring material

### Disclaimer / Statement of Liability

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1

Users of this product are expected to review the available safety information with employees, agents and contractors before using this product. Customers should also be provided with information in order to ensure safe practices and product usage