1. COMPANY INFORMATION AND PRODUCT IDENTIFICATION

Trade Names: Penn Perlite, PA-Lite, A-20, Screened Luna Rock, Regular Luna Rock, Ecoperl, Gladstone, English Mix, Trapcoat, PF-65, PFF, BHF, Masonry Blockfill, Concrete Agg., Plaster Agg. (Perlite Aggregates fillers, insulation, cryogenic, construction, refractory, horticultural, low grade filter aids, baghouse treatment)

Generic Name: Perlite, Expanded, Amorphous Alumina Silicate

CAS #: 93763-70-3

EINECS: N/A

Formula: A sodium potassium mineral-silicate aluminum silicate of variable composition.

Chemical Name: Perlite

Manufacturer: Pennsylvania Perlite Corporation

Pennsylvania Perlite Corp. of York

Address: 1428 Mauch Chunk Road

City: Bethlehem State: PA Zip: 18018

Telephone: 610-868-0992 1-800-473-7548

Website: www.pennperlite.com

2. COMPOSITION-INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>%</th>
<th>PEL/TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlite Ore</td>
<td>None</td>
<td>100</td>
<td>5mg/3m TWA</td>
</tr>
<tr>
<td>Perlite, Alumina Silicate</td>
<td>93763-70-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>&lt;0.05</td>
<td>0.025mg/m³</td>
</tr>
<tr>
<td>Respirable Quartz, ACGIH</td>
<td></td>
<td>&lt;0.025</td>
<td>N/A</td>
</tr>
</tbody>
</table>

May Contain Crystalline Silica

Respirable Dust

3. PHYSICAL AND CHEMICAL DATA

Appearance: Grayish white to white, Orderless

Evaporation Rate (=1): N/A

Specific Gravity (water =1): 2.2-2.4

Boiling Point: N/A

% Volatile by Volume: N/A

Melting Point: 2000°F

Water Solubility: Negligible

Specific gravity (bulk): 0.08-0.20

Vapor Pressure: N/A

pH (10% Solution): 6-10

Vapor Density (Air=1): N/A

4. FIRE AND EXPLOSION DATA

Flash Point (Method): Nonflammable

Extinguishing Media: N/A

NFPA Flammable/Combustible: N/A

Auto Ignition Temp.: N/A

Flammable Limits: N/A

Unusual Fire or Explosion Hazards: None

Liquid Classification: N/A

Special Firefighting Procedures: None

5. REACTIVITY AND STABILITY DATA

Stability: Material is stable. Hazardous polymerization will not occur.

Chemical Incompatibilities: Hydrofluoric Acid

Conditions to Avoid: None in designed use. Avoid contact with hydrofluoric acid.

Hazardous Decomposition Products: None
6. **Health Hazards**

**Summary:** This product may contain crystalline silica (less than 0.1%). OSHA considers perlite to be a nuisance dust and recommends a PEL of 5mg/m$^3$ TWA respirable dust. Inhalation of high amounts of nuisance dust over long periods of time may overload lung clearance mechanism and make the lungs more susceptible to respiratory disease.

**Conditions aggravated by pre-existing conditions:**

- **Inhalation:** Not considered harmful in small amounts. Coughing, irritation of nose and throat. Congestion may occur upon over exposure.
- **Skin Contact:** N/A
- **Skin Absorption:** N/A
- **Ingestion:** Non-hazardous and not considered harmful in small amounts.
- **Eyes:** Temporary irritation.

7. **FIRST AID – EMERGENCY PROCEDURES**

- **Inhalation:** Exit from dusty area; drink water to clear throat; blow nose to evacuate dust
- **Eyes:** Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Contact a physician if irritation persists.
- **Ingestion:** None
- **Skin Contact:** None
- **Skin Absorption:** None

8. **SPILL OR LEAK PROCEDURES**

Procedures for Spill/Leak: Vacuum clean or wet sweep, avoid dusting, use a dust suppressant when sweeping.

**Waste Management:** Not considered as a hazardous waste by RCRA (40 CFR part 261). Place waste and spillage in closed containers and dispose of in an approved landfill.

9. **SPECIAL PERSONAL PROTECTION INFORMATION**

- **Goggles:** Normally not required. May use safety eyewear to protect from dusts.
- **Gloves:** Normally not required. May use gloves to protect overly-sensitive skin.
- **Respirator:** Use NIOSH approved respirators to protect against silicosis producing dusts. Type N95 (US) or type P1 (EU EN 143) respiratory cartridges NIOSH (US) or C EN (EU) approved components.
- **Ventilation:** Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL.

10. **HANDLING AND STORAGE**

- **Handling:** Minimize dust generation and accumulation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags immediately.
- **Storage:** Keep away from hydrofluoric acid. Keep dry and away from odors.

11. **ECOLOGICAL INFORMATION**

Normally considered inert in the environment as manufactured. If contaminated, evaluate according to all applicable Federal, State, and Local laws and regulations. Will not biodegrade, bioaccumulation unlikely.

12. **TRANSPORTATION INFORMATION**

- **U.S. DOT Proper Shipping Name:** Perlite: other than crude
- **Shipping Class:** 150
- **Hazard Classification:** Not Classified
- **Reportable Quantities:** N/A
- **UN (United Nations):** N/A
- **NA (North American Number):** N/A
- **TSCA:** This material is listed in the TSCA inventory but is not otherwise regulated by TSCA.
- **CERCLA:** Material not reportable under CERCLA. Comply with Local Requirements. RQ= Not Applicable
- **SARA Title III:** Not Listed