

PENNSYLVANIA PERLITE CORPORATION
MATERIAL SAFETY DATA SHEET

Last Revised 7/30/98

I. PRODUCT IDENTIFICATION

Trade Names: PA-LITE, PENNLITE, STIL-SPIL, ECOPERL, GLADSTONE, LUNAROCK
TRAPCOAT, PF-65, PFF, ADP, BHF
(Perlite aggregates fillers insulation; cryogenic;
construction, refractory horticulture, filter aids)

Generic Name: Perlite, Volcanic Glass, EXPANDED **Case:** None

Chemical Name: Amorphous Siliceous mineral-silicate **Formula:** A Sodium potassium aluminum silicate of variable composition.

Manufacturer: Pennsylvania Perlite Corporation
1425 MAUCH CHUNK ROAD
BETHLEHEM, PA 18018 **Phone:** (610) 868-0992
FAX: (610) 868-7609

II. PRODUCT INGREDIENTS

<u>Ingredient Name</u>	<u>Case</u>	<u>%</u>	<u>Permissible Exposure Limit</u>
Perlite Ore	None	100	5mg/3m TWA
May contain Crystalline Silica			Respirable dust
Quartz < 0.05%			Re: OSH PEL
		14808-60-7	

III. PHYSICAL DATA

Appearance and Odor: Grayish white to white, aggregate or powder, odorless.

Boiling Point: N/A **Evaporation Rate (=1):** N/A

Vapor Pressure: N/A **Specific Gravity (water=1):** 2.2 - 2.4

Vapor Solubility (%): Slight **Melting Point:** 2000 F

Vapor Density (Air=1): N/A **% Volatile by Volume:** N/A

pH: 6.5 - 7.5 **Specific gravity (bulk):** 0.08 - 0.20

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): Nonflammable **NFPA Flammable/Combustible**

Flammable Limits: N/A **Liquid Classification:** N/A

Extinguishing Media: N/A **Auto Ignition Temperature:** N/A

Unusual Fire or Explosion Hazards: None **Special Fire Fighting Procedures:** None

V. HEALTH HAZARDS

A. SUMMARY/RISKS

Summary: This product may contain crystalline silica (less than 0.1% see Section II). OSHA considers Perlite a nuisance dust and recommends a PEL of 5mg/m³ TWA respirable dust. Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism and make the lungs more vulnerable to respiratory disease.

Medical Conditions Which May Be Aggravated: Pre-existing upper respiratory and lung disease, (such as bronchitis, emphysema, asthma, or others).

Target Organ(s): Lungs

Primary Entry Route(s): Inhalation

Acute Health Effects: Transitory upper respiratory irritant.

Chronic Health Effects: See summary. Follow the safe handling practices shown on the

V. HEALTH HAZARDS**B. SIGN/SYMPTOMS OF OVEREXPOSURE**

Inhalation: Coughing, irritation of nose and throat, congestion may occur upon over exposure

Skin Contact: N/A

Ingestion: Not hazardous. Generally regarded as safe by the FDA

Skin Absorption: N/A

Eyes: Temporary irritation and/or inflammation.

V. HEALTH HAZARDS**C. FIRST AID/EMERGENCY PROCEDURES**

Inhalation: Exit from dust area; drink water to clear throat; blow nose to evacuate dust.

Skin Contact: N/A

Ingestion: None

Skin Absorption: N/A

Eyes: Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Contact a physician if irritation persists.

VI. REACTIVITY 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: Reacts with hydrofluoric acid to form toxic silicon tetrafluoride gas

VII. 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 hazardous wastes by RCRA (40 CFR part 261).

Place waste and spillage in closed containers. Dispose of in approved landfill: RQ-N/A

VIII. SPECIAL 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: Even though Perlite is a nuisance dust, we recommend the use of NIOSH approved respirators to protect against silicosis producing dusts.

Ventilation: Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL.

Special Considerations for Repair/Maintenance of Contaminated Equipment:

Ensure proper respiratory protection.

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: N/A

*****ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS*****

Special Handling/Storage: Store in dry place. Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practice.

Special Workplace Engineering Controls: Adequate ventilation and appropriate local exhaust where needed to keep dust levels below PEL.

Other: Comply with all Federal, State and Local, regulations.