

PENNSYLVANIA PERLITE CORPORATION
MATERIAL SAFETY DATA SHEET
EXPANDED PERLITE PRODUCTS
01/01/2013

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
1428 Mauch Chunk Road

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

INGREDIENT NAME	CAS NUMBER	%	PEL/TLV
Perlite Ore	None	100	5mg/3m TWA
Perlite, Alumina Silicate	93763-70-3		
Quartz	14808-60-7	<0.05	
Respirable Quartz, ACGIH		<0.025	0.025mg/m ³
May Contain Crystalline Silica			Respirable Dust

3. PHYSICAL AND CHEMICAL DATA

Appearance:	Grayish white to white, Orderless	Evaporation Rate (=1):	N/A
Boiling Point:	N/A	Specific Gravity (water =1):	2.2-2.4
Vapor Pressure:	N/A	Melting Point:	2000° F
Water Solubility:	Negligible	% Volatile by Volume:	N/A
Vapor Density (Air=1):	N/A	Specific gravity (bulk):	0.08-0.20
		pH (10% Solution):	6-10

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
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:	Upper respiratory and lung disease such as bronchitis, emphysema, and exposure asthma.
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 and/or inflammation.

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)	
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