

SAFETY DATA SHEET



Supplier's details: Beaver Research
 3700 E Kilgore Road
 Portage, MI. 49002
 Phone: 800-544-0133

Emergency telephone number (with hours of operation) : INFOTRAC (24 Hours)
 1-352-323-3500 (International)
 1-800-535-5053 (North America)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier LOCK UP #260145				[WHMIS Classification] Not Applicable	
Product Use Light weight aggregate, Horticultural aggregate, Refractory, Insulation, Filter aid.					
Manufacturer's Name P.V.P. Industries Inc.			Supplier's Name		
Street Address P.O. Box 129, 9819 Penniman Road			Street Address		
City North Bloomfield		Province OH	City		Province
Postal Code 44450	Emergency Telephone 440-685-4701	MSDS Prepared By Michael Dunlavey		Postal Code	Emergency Telephone
Date MSDS Prepared 2/19/2014		Phone Number 440-685-4701			

SECTION 2 — HAZARDS IDENTIFICATION

Route of Entry	Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
Emergency Overview					
This product contains crystalline silica (less than 1%). OSHA considers perlite to be a nuisance dust. Inhalation of high amounts over long periods of nuisance dust may overload lung clearance mechanism and make the lungs more vulnerable to respiratory disease.					
WHMIS Symbols					
Not Regulated					
Potential Health Effects					
Inhalation: Pre-existing upper respiratory and lung disease may be aggravated. Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided.					
Eye: May cause irritation (tear formation and redness) if dust gets in eyes.					
Skin: Not absorbed by the skin. But may cause dryness if prolonged exposure.					
Ingestion: Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.					

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
Perlite	100	93763-70-3	Not Available	Not Available	10	15
Silica	<1	14808-60-7	Not Available	Not Available	Not Available	.05

SECTION 4 — FIRST AID MEASURES

Skin Contact	Use moisture renewing lotions if dryness occurs.
Eye Contact	Flush eyes with generous quantities of water or eye rinse solution. Consult physician if irritation persists.
Inhalation	Remove to fresh air. Blow nose to evacuate dust.
Ingestion	Drink generous amounts of water to reduce bulk and drying effects.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable	If yes, under which conditions?	
Yes		
Means of Extinction	N/A	
Flashpoint (° C) and Method	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
None	None	None
Auto Ignition Temperature (°C)	Explosion Data — Sensitivity to Impact	Explosion Data — Sensitivity to Static Discharge
Not Combustible	N/A	N/A
Hazardous Combustion Products	N/A	
NFPA	N/A	

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions: If dust is present, use respirator fitted with particulate filter as specified in Section 8. Protect eyes with goggles.
Containment and Cleanup: Vacuum clean dust with equipment fitted with HEPA filter. Use dust suppressant such as water if sweeping is necessary.
Environment: Not considered as hazardous waste by RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose of in approved landfill.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment

Minimize dust generation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags.
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Storage Requirements

Store in a dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid. Observe all label precautions and warnings.
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SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	ACGIH TLV	OSHA PEL	Other (specify)			
Specific Engineering Controls (such as ventilation, enclosed process)						
Adequate ventilation and appropriate local exhaust where needed to keep dust level below PEL.						
Personal Protective Equipment	Gloves	Respirator	Eye	Footwear	Clothing	Other
If checked, please specify type						
Eye: Goggles to protect from dust.						

Skin: No special equipment is required.

Respiratory: Respirators fitted with filters certified to standard 42CFR84 under series N95 should be worn when dust is present. If the dust concentration is less than ten (10) times the Permissible Exposure Limit (PEL) use a quarter or half mask respirator. If dust concentration is greater than ten (10) times and less than fifty (50) times the PEL, a full-face respirator fitted with replaceable N95 filters is recommended. If dust concentration is greater than fifty (50) and less than two-hundred (200) times the PEL use a power air-purify (positive pressure) respirator with replaceable N95 filter. If dust concentration is greater than two-hundred (200) times the PEL use a type C, supplied air respirator (continuous flow, positive pressure), with

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor and Appearance	Odor Threshold (ppm)
Solid	White Granules or Powder. No distinct odor.	N/A
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
2.35	N/A	N/A
Evaporation Rate	Boiling Point (* C)	Freezing Point (* C)
N/A	N/A	N/A
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]
6-10	N/A	Slightly Soluble

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	If no, under which conditions?
Yes No	
Incompatibility with Other Substances	If yes, which ones?
Yes No	Reacts with Hydrofluoric Acid to form Silicon Tetrafluoride gas
Reactivity and under what conditions?	
No dangerous reactions known.	
Hazardous Decomposition Products	
None	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Potential irritant for skin contact, eye contact or inhalation.	
Effects of chronic exposure	
Perlite is a naturally occurring volcanic glass consisting of fused sodium-potassium-aluminum silicate. Tests conducted on Perlite have not identified crystalline silica as being present above the detection limit (0.05%). Although there are not published reports of adverse health effects from exposure to perlite dust, dust levels should be maintained below the <u>OSHA Permissible Exposure Limit for perlite and respirators used when airborne dust is present.</u>	
Irritancy of Product	
Potential irritant for skin contact, eye contact or inhalation.	
Skin sensitization	Respiratory sensitization
Possible through skin contact.	
Carcinogenicity-IARC	Carcinogenicity - ACGIH
N/A	N/A
Reproductive toxicity	Teratogenicity
N/A	N/A
Embrototoxicity	Mutagenicity
N/A	N/A
Name of synergistic products/effects	
N/A	

SECTION 12 — ECOLOGICAL INFORMATION

Aquatic Toxicity
Generally considered inert. Perlite has no negative ecological effect and may be used as a soil container.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal
Not considered hazardous waste by the RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose in accordance with Federal, State and Local regulations.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information	
No known shipping regulations.	
	PIN
	N/A
TDG	DOT
N/A	N/A
IMO	ICAO
N/A	N/A

SECTION 15 — REGULATORY INFORMATION

WHMIS Classification	OSHA
	Perlite is not considered as a toxic or hazardous subject.
SERA	TSCA
Not Listed	Not Listed.
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

Notice: This information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process. All statements, information and data provided are believed to be accurate and reliable, but are presented without any guarantee, representation, warranty or responsibility of any kind, expressed or implied. Any and all representations and/or warranties of merchantability of fitness for a particular purpose are specifically disclaimed. Users should make their own investigations as to the suitability of the information or product for their particular purpose. Nothing in this document is intended as permission, inducement or recommendation to violate any laws or practice any invention covered by existing patents, copyrights or inventions. P.V.P. Industries Inc. does not accept liability for any loss or damage that may occur from the use of this information.