



SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Perlite (All Grades)		[Canada WHMIS Classification] Not Applicable	
Product Use Lightweight aggregate, Horticultural aggregate, Refractory, Insulation, Filter aid, Precoat, Soak-Up, adsorbent perlite.			
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	State/Province OH	City	State/Province
Postal Code 44450	Emergency Telephone 440-685-4701	Postal Code	Emergency Telephone
Date SDS Revised 2/15/2024	SDS Prepared By Michael Dunlavy	Phone Number 440-685-4701	

SECTION 2 — HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
Emergency Overview Not Hazardous per GHS Criteria. OSHA considers perlite to be a nuisance dust. Crystalline silica (at concentrations below the reporting limit, 0.1%) may also be present. Inhalation of this as with any dust should be minimized as high concentrations may overload lung clearance mechanisms and make the lungs more vulnerable to respiratory disease. Prolonged or repeated exposure to (respirable) crystalline silica (quartz), which is either not detected or identified at levels below the reporting threshold of 0.1%, may cause a progressive, disabling lung disorder (silicosis). Symptoms may include, cough, shortness of breath, wheezing, decrease in pulmonary function, and recurring non-specific pulmonary illness. The onset of symptoms, except in cases of massive exposures, is usually gradual over a period of several years and is accompanied by changes in the x-ray picture of lungs. Crystalline silica is listed as a known human carcinogen (Group 1) by the International Agency for Research on Cancer (IARC) and as a substance that is known to cause cancer in humans by the National Toxicology Program.
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 mechanical 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	%	LD ₅₀	CAS #	OSHA PEL-TWA (8-hour), (mg/m ³)	ACGIH TLV-TWA (8-hour), recommended, (mg/m ³)
Perlite	>98	>10,000 mg/kg (mouse)	93763-70-3	5, (respirable fraction) 15, (total dust)	3, (respirable fraction) 10, (total dust)



SECTION 4 — FIRST AID MEASURES

Skin Contact
Use moisture renewing lotions if dryness occurs. Consult physician if irritation persists.
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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction Use extinguishing media appropriate for surrounding material.		
Flashpoint (° C) and Method None	Upper Flammable Limit (% by volume) None	Lower Flammable Limit (% by volume) None
Auto ignition Temperature (°C) Not Combustible	Explosion Data — Sensitivity to Impact N/A	Explosion Data — Sensitivity to Static Discharge 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.
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.



SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input checked="" type="checkbox"/> ACGIH TLV <input checked="" type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (<i>specify</i>)
Specific Engineering Controls (<i>such as ventilation, enclosed process</i>)
Adequate ventilation and appropriate local exhaust where needed to keep dust level below PEL.
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> 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 piece 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 full face piece, hood or helmet.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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



SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Reacts with Hydrofluoric Acid to form Silicon Tetrafluoride gas
Reactivity and under what conditions? No dangerous reactions known other than the above	
Hazardous Decomposition Products None other than the above	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Potential (mechanical) 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. Particles of respirable crystalline silica are generally not present above the quantification limit. Although there are no published reports of adverse health effects from exposure to perlite dust, dust levels should be, in any case, maintained below the OSHA Permissible Exposure Limits for nuisance dust and respirators used when such airborne dust is present.	
Irritancy of Product	
Potential irritant for skin contact, eye contact or inhalation.	
Skin sensitization	Respiratory sensitization
Possible through skin contact.	N/A
Carcinogenicity-IARC	Carcinogenicity - ACGIH
N/A	N/A
Reproductive toxicity	Teratogenicity
N/A	N/A
Embryotoxicity	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.	
	Product Identification Number N/A
TDG N/A	DOT N/A
IMO N/A	ICAO N/A

SECTION 15 — REGULATORY INFORMATION

WHMIS Classification N/A	OSHA Perlite is not considered as a toxic or hazardous subject.
SARA Title III, Sections 302, 313 No components are subject to the reporting levels or requirements	TSCA Not Listed (Exempt as naturally occurring material)
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

<p>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.</p>
