

MATERIAL SAFETY DATA SHEET

P.V.P. Industries Inc.
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North Bloomfield, OH 44450

Emergency Phone No. 440-685-4701

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PRODUCT IDENTIFICATION

Trade Names and Synonyms	P.V.P. Industrial Vermiculite, Horticultural Vermiculite Pool Base Aggregate, Masonry Insulation, Concrete Aggregate, Plaster Aggregate, (Grade 3), (Grade 4), Coarse Grade Vermiculite, Super Coarse Grade Vermiculite
Chemical Name and Family	Expanded Vermiculite Magnesium-Aluminosilicate Mineral
Formula	(Mg, Ca, K) * (Al, Fe, Mg)* (Si, Al) 4 * (O) 10 * (OH) 2 *
CAS #	1318-00-9
DOT Hazard Class/ID# /Label	Not Applicable
Reportable Quantity (RQ)	Not Applicable
Surface Freight Classification	Vermiculite, other than crude

WARNING STATEMENTS

Caution!
Breathing dust may be harmful to your health.

PRECAUTIONARY MEASURES

Use with adequate ventilation and /or respiratory protection

EMERGENCY AND FIRST AID PROCEDURES

In case of eye irritation, immediately flush eyes with plenty of water to remove particles of dust call a physician.

If swallowed, this product is not generally considered harmful by ingestion.
If inhaled, remove to fresh air to relieve coughing or sneezing.
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CONTROL METHODS/HANDLING PROCEDURES

Eye Protection	Protective eyewear or goggles should be worn where dust levels are high enough to cause irritation.
Skin Protection	No special precautions are required beyond normal good hygiene practices
Respiratory Protection	Use a NIOSH or MSHA approved respirator, consult respirator manufacturer to determine the appropriate type.
Ventilation	Local exhaust should be used where available.
Handling	Whenever possible, pour from a partially opened bag. In general, good hygiene practices which avoid creating dust are recommended. Mechanical ventilation or other engineering controls may be required when handling bulk product. Bulk users should consult the manufacturer for specific recommendations.
Airborne Exposure Limits	Nuisance dust.
OSH PEL	(8 hour time weighted average) Respirable Fraction 15 Mppcf or 5 mg.m3 Total Dust: 50 Mppcf or 15 mg/m3
ACGIH TLV	(8 hour time weighted average) Respirable Mass 5 mg/m3 Total Mass 30 Mppcf or 10 mg/m3

FIRE PROTECTION AND EXPLOSION

Not applicable, product is inorganic and will not burn

REACTIVITY DATE

Not applicable.

PHYSICAL DATA

Appearance: Free flowing particles, predominantly brown in color.

Odor: None

Particle Size: Variable by grade – see manufacturer data sheet

Density: Loose- bulk density 4-7 lbs./cu.ft.

DISCHARGE, SPILL AND DISPOSAL

Use good hygiene practices to avoid creating airborne dust when cleaning spilled material.

According to EPA (40 CFR s 261.3) waste of this product is not defined as hazardous. Dispose of all waste in accordance with applicable government regulations.

HEALTH EFFECTS SUMMARY

Vermiculite dust is classifiable as nuisance dust. The ACGIH documentation of Threshold Limit Values, Fourth Edition, states the following with regards to nuisance dust: "The lung tissue reaction caused by inhalation of nuisance dusts has the following characteristics:

1. The architecture of the air spaces remains intact
2. Collagen (scar tissue) is not formed to a significant extent.
3. The tissue reaction is potentially reversible.

Excessive concentrations of nuisance dusts in the workroom air may seriously reduce visibility, may cause unpleasant deposits in the eyes ears and nasal passages, or cause injury to the skin or mucous membranes by chemical or mechanical action per se or by rigorous skin cleansing procedures necessary for their removal."