



Safety Data Sheet

BM1

Section 1 – Identification

Product Name: BM1 Series	Product Use: Various horticultural uses	Chemical Names: Sphagnum peat, Perlite (amorphous siliceous mineral-silicate), and/or Vermiculite (magnesium-aluminosilicate mineral).
Manufacturer Name: Berger	Emergency Phone Number: 1-800-463-5582	
Address: 121, 1 ^{er} Rang Saint-Modeste (Québec) Canada, G0L 3W0	Emergency Phone Number Canada: 1-418-862-4462	

Section 2 – Hazard Identification

Inhalation: Possible	Ingestion: Not applicable	Symptoms of exposure: Inhalation: Dust particles may be moderately irritating to upper respiratory system at high concentrations, resulting in coughing and sneezing. High amounts of any nuisance dust over long periods of time may overload lung clearance mechanism, irritate mucous membrane and make lungs more vulnerable to respiratory disease. Ingestion: No adverse health effects are expected. Skin: No known hazard. Contact may result in light drying of the skin. Eyes: Dust particles may cause physical irritation.
Skin: Open Wounds	Eyes: Possible	

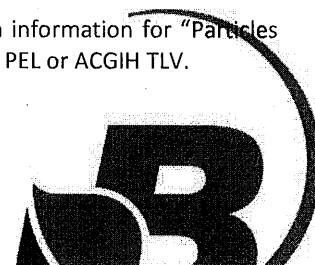
Section 3 – Composition/Information on Ingredients

Ingredients	%	#CAS <i>Chemical Abstract Service</i>	OSHA PEL <i>Occupational Safety & Health Administration, Permissible Exposure Limits</i>	ACGIH TLV <i>American Conference of Governmental Industrial Hygienists Threshold Limit Value</i>
Peat Moss* (Sphagnum peat)	40 - 80	None	Total dust: 15 mg/M ³ Respirable fraction: 5 mg/M ³	Respirable particles: 3 mg/M ³ Inhalable particles: 10 mg/M ³
Perlite (amorphous siliceous mineral-silicate)	10 - 50	93763-70-3	Total dust: 10 mg/M ³ Respirable fraction: 5 mg/M ³	Respirable particles: 3 mg/M ³ Inhalable particles: 10 mg/M ³
Vermiculite* (magnesium-aluminosilicate mineral)	10 - 50	01318-00-9	Total dust: 15 mg/M ³ Respirable fraction: 5 mg/M ³	Respirable particles: 3 mg/M ³ Inhalable particles: 10 mg/M ³

* Specific exposure limits have not been set for this ingredient. Recommendations are based on information for "Particles Not Otherwise Regulated", which includes all inert or nuisance dusts not listed specifically in OSHA PEL or ACGIH TLV.

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Section 4 – First-Aid Measures

Inhalation:

If inhaled, get fresh air. If symptoms persist, consult a physician.

Eye contact:

Flush with plenty of water while holding eyelids apart. If irritation, blinking or tearing occur and persist, consult a physician.

Skin contact:

Wash skin with soap and water; moisturizers can be applied to prevent drying.

Section 5 – Fire Fighting Measures

Extinguishing Media:

CO₂, dry chemical or alcohol foam.

Unusual Fire, Explosion and Reactivity Hazards:

None

Special Fire Fighting Procedures:

None know. Thermal decomposition products are those commonly observed with natural products such as wood or other vegetable matter.

Notes: Peat has a high carbon source which can burn under low moisture conditions. Once ignited by the presence of a heat source, it smolders and can burn undetected through the sublayers for long periods of time.

Section 6: Accidental Release Measures

In case of material release, avoid creating airborne dust while cleaning spill. Remove ignition sources and shovel or sweep into an appropriate container. Avoid breathing dust using adequate ventilation and/or NIOSH approved respirator for nuisance dust of this type.

Section 7: Handling and Storage

Handling:

If excessive dust is created, avoid breathing dust by using adequate ventilation and/or NIOSH approved respirator for nuisance dust of this type.

Storage:

Store away from combustion sources.

Section 8: Exposure Controls and Personal Protection

Respiratory Protection: An approved dust mask (NIOSH Type TC-21C-XXX) for nuisance dust of this type.

Ventilation: Local exhaust is advised when dust is excessive and product is used in enclosed area.

Protective clothing or equipment: Wear normal work clothing to prevent skin contact. Protective gloves are not normally necessary, but suggested in case of unprotected open wounds.

Eyes Protection: Protective eye wear should be worn where dust levels are high enough to cause irritation.

Work Hygienic Practices: NIOSH approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.



Section 9 – Physical and Chemical Properties

Appearance: Brown, white and gray particles	Odour: Earthy odour.	Odour Threshold: Not applicable.
Flammable: Yes	Flammable Limits (%): Not applicable.	Autoignition Temperature: 260°
Flash Point (Method test): Not applicable.	Viscosity: Not applicable.	Decomposition Temperature: Not applicable.
Boiling Point: Not applicable.	Vapour Pressure (mm Hg): Not applicable.	Vapour Density (Air=1): Not applicable.
pH: 5 - 7	Bulk Density (g/Liter) 60 - 120	Specific Gravity (H₂O=1): Not applicable.
Solubility in H₂O: Not applicable.	% Volatiles: None.	Evaporation Rate (Butyl Acetate= 1): Not applicable.

Section 10 – Stability and Reactivity

Chemical Stability: Stable	Incompatibility with Other Substances: None.
Conditions or Materials to Avoid: Avoid exposure to heat, flame and sparks.	Hazardous Decomposition: Not applicable.
Hazardous Polymerisation: None known.	

Section 11 – Toxicological Information

Acute Toxicity:

Eye: Contact with eyes may cause irritation. **Skin:** May cause dry skin or skin irritation in susceptible persons.

Chronic Toxicity:

Carcinogenic effects: *National Toxicology Program (NTP)* = None, *International Agency for Research on Cancer (IARC)* = None, *Occupational Safety & Health Administration (OSHA)* = None.

Ingestion:

Health injuries are not known or expected under normal use.

Inhalation:

Health injuries are not known or expected under normal use.



Section 12 - Ecological Information

Ecotoxicity effects: No known effect.	Mobility: Insoluble product; sinks in water.	Aquatic toxicity: No known effect.
Persistence & degradability: Most components are inherently biodegradable. Perlite is persistent.	Bioaccumulative: Not applicable except for perlite, which does not bioaccumulate.	Other effects: May contain naturally occurring soil microorganisms.

Section 13 – Disposal Considerations

Disposal: Convention sanitary landfill. Follow federal, State and local regulations. Not defined as hazardous.	Hazardous Waste Classification: Not applicable.
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Section 14 – Transport Information

DOT Department of Transportation Classification Ground/Air Transport - NAFTA North American Free Trade Agreement: Non hazardous	Water/Air Transport - International: Not regulated.	TDG Transportation of Dangerous Goods Classification : Non hazardous
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Section 15 – Regulatory Information

WHMIS <i>Workplace Hazardous Materials Information System:</i> Not a controlled product.	CEPA Canadian Environmental Protection Act: Constituents of this product are on the Domestic Substance List (DSL) or are not listed on any list.
EPCRA <i>Emergency Planning & Community Right-to-Know Act /SARA Title III Classification:</i> Section 311/312/ Hazard Classes: Not applicable Section 313 Toxic Chemicals: Not applicable	CERCLA <i>Comprehensive Environmental Response, Compensation and Liability Act /SARA 302 RQ Reportable Quantity:</i> Not applicable.
RCRA Resource Conservation and Recovery Act Hazardous Waste Classification (40 CFR 261): Not applicable.	TSCA Toxic Substances Control Act: All ingredients are either listed on the TSCA Inventory or are exempt from listing.

Section 16 – Other Information

Revision Date: August 13 th , 2015.	The information presented here is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Berger bears legal responsibility.
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