

SECTION 1. IDENTIFICATION

Product Name: PRO-MIX® BKI (also named PRO-MIX® BRK), PRO-MIX® BKI AGTIV® REACH™ (also named PRO-MIX® BRK MYCORRHIZAE™), PRO-MIX® BKI AGTIV® AMPLIFY™, PRO-MIX® BRK BIOFUNGICIDE™ + MYCORRHIZAE™ / EPA Reg. No. 74267-4

Recommended Use: End-use horticulture

Restriction on Use: None

Manufacturer & Registrant

Canada: Premier Horticulture Ltd./Ltée, 1 avenue Premier, Rivière-du-Loup, Qc, G5R6C1

USA: Premier Tech Growers and Consumers Inc., 200 Kelly Road, Unit E-1, Quakertown, PA, 18951

Emergency Phone Number: 24-Hour Emergency Phone Number: (613) 996-6666 (CANUTEC)

SECTION 2. HAZARDS IDENTIFICATION

According to: WHMIS 2015 (Canada)

According to: OSHA 29 CFR 1910.1200 HCS (United States)

Classification Canadian Sphagnum Peat Moss, Sphagnum Peat Moss or Peat based products are not specifically listed in the OSHA List of *Hazardous and Toxic Substances* (Hazard Communication Standard 29 CFR 1910.1200) but products are classified as “Particulates Not Otherwise Regulated” (PNOR) and classified by ACGIH as a “Nuisance Dust” or “Particulates Not Otherwise Classified” (PNOC).

Pictogram(s):

Signal Word

Hazard Statement(s)

Precautionary Statement(s)

Other Hazards

WHMIS 2015 Not Classified

OSHA HCS 2012 Not Classified

Nuisance Dust

Long term exposure to crystalline silica can cause lung injury (silicosis). Risk of injury is dependent on the duration and level of exposure. However, product water content renders significant exposure unlikely under typical use conditions.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Sphagnum Peat Moss	---	40-50%
Non Controlled ingredients	---	35-45 %
Perlite	93763-70-3	5-15 %
Comments: Perlite may contain less than 1% Quartz (CAS # 14808-60-7)		

Concentrations are expressed in % volume/volume

SECTION 4. FIRST-AID MEASURES

Inhalation	If inhaled, provide fresh air.
Skin Contact	Non-irritant. If skin irritation occurs, get medical attention or advice.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, call a poison control center or a doctor.
Ingestion	If swallowed, rinse mouth and drink plenty of water. Call a Poison Control Center or doctor.
Most Important Symptoms and Effects, Acute and Delayed	None Known
Immediate Medical Attention and Special Treatment	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media	
Suitable Extinguishing Media	Water.
Unsuitable Extinguishing Media	High pressure water jet.
Specific Hazards Arising from the Product	None are known.
Special Protective Equipment and Precautions for Fire-Fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA). Do not inhale combustion gases.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Ensure adequate ventilation.

Emergency Procedures: No special emergency procedures required

Environmental Precautions: No special environmental precautions required

Methods and Material for Containment and Cleaning Up:

Use methods to clean spill which avoid creating airborne dust. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid creating excessive dust during handling. Avoid breathing dust by using adequate ventilation and/or NIOSH or MSHA approved respirator for nuisance dust of this type.

Conditions for Safe Storage: No special storage requirements.

Incompatibilities: None known

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
CONTROL PARAMETERS

Occupational Exposure Limits Values				
NAME	OSHA PEL		ACGIH TLV	
	Respirable Dust	Total Dust	Respirable Particulates	Inhalable Particulates
Peat moss	5 mg/m ³	15 mg/m ³	3 mg/m ³	10 mg/m ³
Crystalline silica	0.05 mg/m ³	Not available	0.025 mg/m ³	Not available

Appropriate Engineering Controls:

Use exhaust ventilation to keep airborne concentrations below exposure limits.

Individual Protection Measures

Eye/Face Protection: Wear safety goggles is recommended

Skin Protection: No specific requirement

Respiratory Protection: Wear respiratory protection, where airborne concentrations are expected to exceed exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blond to light brown fiber
Odour	Earthy odour
Odour Threshold	Not applicable
pH	4.5-6.5
Melting Point/Freezing Point	No data available
Boiling Point	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	Flammable
Upper/Lower Explosive Limit	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air=1)	Not applicable
Relative Density (water=1)	0.2
Solubility	No data available
Partition Coefficient, n-Octanol/Water (Log Kow)	No data available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None known
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will Not Occur
Conditions to Avoid	Dust generation, open flames
Incompatible Materials	None
Hazardous Decomposition Products	None known

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity:

LC50 (Inhalation) (4h/rats) There is no data available

LD50 (oral) There is no data available

LD50 (dermal) There is no data available

Skin Corrosion/Irritation: There is no data available

Serious Eye Damage/Irritation: There is no data available

Respiratory and/or Skin Sensitization: There is no data available

STOT (Specific Target Organ Toxicity)

Single Exposure: There is no data available

Repeated Exposure: There is no data available

Carcinogenicity: There is no data available

Reproductive Toxicity

Development of Offspring: There is no data available

Sexual Function and Fertility: There is no data available

Effects on or Via Lactation: There is no data available

Germ Cell Mutagenicity: There is no data available

Additional Information: There is no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No known significant effects or critical hazards.

Persistence and Degradability: Inherently biodegradable.

Bioaccumulation Potential: No known significant effects or critical hazards.

Mobility in Soil: No known significant effects or critical hazards.

Other Adverse Effects: No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

The waste of this product is not defined as hazardous. Dispose of all waste in accordance with the regulations of the environmental authority having jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian Transportation of Dangerous Goods (TDG) regulations.

Not regulated under US Department of Transportation (DOT) Regulations.

Not regulated under International Maritime Dangerous Goods (IMDG) Regulations.

Not regulated under International Air Dangerous Goods (ICAO-TI / IATA-DGR) Regulations.

Environmental Hazards: None

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Special precautions for Transport: None

SECTION 15. REGULATORY INFORMATION

This product has been classified and the SDS has been developed according to the Hazardous Products Regulation.

United States

EPCRA - SARA Title III Classification

Section 302 Extremely Hazardous Substances: Not applicable

Section 311/312 Hazard Classes: Not applicable

Section 313 Toxic Chemicals: Not applicable

CERCLA Regulatory

Not applicable

RCRA Hazardous Waste Classification (40 CFR 261)

Not applicable

Toxic Substances Control Act (TSCA)

All ingredients are either listed on the TSCA Inventory or are exempt from listing

California Proposition 65 Components

These products do not contain any chemicals known to the State of California to cause cancer, birth defects.

SECTION 16. OTHER INFORMATION

Additional Information :

The information above is accurate to the best of our knowledge as at the date of preparation of the SDS. However, such information is not to be interpreted as representing a warranty or guarantee as to its accuracy or completeness. No warranty of any kind is given or implied under the terms hereof, and PREMIER TECH GROWERS AND CONSUMERS INC. will not be liable for any damages, losses, injuries or consequential damages which may result, directly and/or indirectly, from the uses or reliance on any information contained. The users must do their own research as for the pertinence of the information for specific use. For more information: www.pthorticulture.com.

Date of Preparation: 2024-03-22

Glossary of abbreviations
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (Registration number)
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DOT: Department of Transportation
GHS: Globally Harmonized System
IBC: International Bulk Container

OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
TLV: Threshold Limit Value
TDG: Transportation of Dangerous Goods
WHMIS: Workplace Hazardous Materials Information System