

PRO-MIX BX BIOFUNGICIDE / EPA Reg. No. 74267-1
Section I – Product and company identification
Product's Name

PRO-MIX BX BIOFUNGICIDE / EPA Reg. No. 74267-1

Manufacturer's Name

Premier Tech Horticulture Ltd

Emergency Telephone Number:

(418) 862-6356 or 800-667-5366

Address

1, Avenue Premier

Telephone Number for information:

 (418) 862-6356 or carf@premiertech.com

Rivière-du-Loup (Québec)

Prepared by:

Frederic Caron

G5R 6C1 CANADA

Section II – Hazard Identification

Route(s) of Entry:	Inhalation	Skin	Ingestion	Eyes
	Possible	Open wounds	Not applicable	Possible

Carcinogenicity:

Long term exposure (10-15 years) to concentrated quartz dust; present in common soil mix ingredients such as Perlite, gypsum and sand, may cause significant risk of lung damage (silicosis). However, product water content renders significant exposure unlikely under typical use conditions.

Signs and Symptoms of Exposure:

Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membrane and make lungs more vulnerable to respiratory disease.

Section III – Composition, Information and Ingredients
Product Composition
A. Hazardous

Nuisance dust

Ingredient	#CAS	%
Perlite	93763-70-3	10 - 14
Vermiculite	1318-00-9	3 - 7

Comments : Perlite and vermiculite may contain less than 1% Quartz (CAS # 14808-60-7)

Vermiculite in this product is supplied by Palabora Mining Co., which uses a rigorous testing and audit process for detection of asbestos. This process conforms to regulations governing health, safety and the environment and is ISO certified. Palabora policy on fiber management is based on the internationally accepted protocol for the sampling and identification of asbestos fibers in bulk materials (Ref: HSG248ex_MDHS77 issued by the Health and Safety Executive of the United Kingdom, 'HSMO) as outlined in document 'Palabora Vermiculite The way we work...' by Palabora Mining Co. This document is available upon request.

B. Non-Hazardous

Ingredient	#CAS	%
Peat Moss	---	79 - 87

Exposure limits of Peat Moss Dust

OSHA PEL		ACGIH TLV	
Respirable Dust	5 mg/m ³	Respirable Particles	3 mg/m ³
Total Dust	15 mg/m ³	Inhalable Particles	10 mg/m ³

Section IV – Emergency and First Aid Measures

Inhalation: If inhaled, provide fresh air.

Eye contact: Rinse eyes with water.

Skin contact: Keep open wounds covered and clean as suggested by any good hygiene program.

Section V – Fire Fighting Measures			
Flash Point (Method Used): Not applicable	Flammable Limits: Not applicable	LEL: ---	UEL: ---
Extinguishing Media: Water	Unusual Fire and Explosion Hazard : None		
Special Fire-Fighting Procedures: None. Caution: Burning may continue inside bags or piles after surface fire is out. Break bags or separate pile to assure that the fire is extinguished			
Section VI – Accidental Release Measures			
Steps to Be Taken in Case Material is Released or Spilled: 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 VII – Handling and Storage			
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.			
Storage: No special storage requirements.			
Section VIII – Exposure Control and Personal Protection			
Respiratory Protection (Specify Type): If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.			
Ventilation: Local exhaust advisable if excessive dust is created.			
Protective Gloves: Not normally necessary but suggested in cases of open wounds that are not appropriately protected.			
Eye Protection: Protective eyewear should be worn where dust levels are high enough to cause irritation.			
Protective Clothing or Equipment: Normal work clothing.			
Work/Hygienic Practices: NIOSH or MSHA approved respirator, eye protection and ventilation under conditions where excessive dust is created. Open wounds should be kept clean and suitably protected.			
Section IX – Physical and Chemical Properties			
Boiling Point	Not applicable	Specific Gravity (H ₂ O = 1)	1.5
Vapor Pressure (mm Hg)	Not applicable	Melting Point	Not applicable
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water	Not applicable		
Appearance and Odor	From blond to light brown fiber, earthy odor.		
Section X – Stability and Reactivity			
Stability: Stable		Conditions to Avoid: None known	
Incompatibility (Materials to Avoid): None known			
Hazardous Decomposition or by Products: None			
Hazardous Polymerization: Will not occur		Conditions to Avoid: None	
Section XI – Toxicological Information			
Acute toxicity			
Eye effects: Contact with eyes may cause irritation			
Skin effects: May cause skin irritation in susceptible persons			
Chronic toxicity			
Carcinogenic effects:	NTP None	IARC None	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 XII – Ecological Information

Ecotoxicity effects: No known effects.

Persistence and degradability: Inherently biodegradable.

Bioaccumulative potential: Not applicable.

Mobility: The product is insoluble and sinks in water.

Aquatic toxicity: May be beneficial to plant life.

Section XIII – Disposal Information

Disposal: The waste of this product is not defined as hazardous. Dispose of all waste in accordance with federal, state and local regulation.

Hazardous Waste Classification: Not applicable

Section XIV – Transport Information

TDG Classification: Not regulated

DOT Classification: Ground/Air Transport – NAFTA: Not regulated

Water/Air Transport – International: Not regulated

Section XV – Regulatory Information

EPA Registration No.

74267-1

WHMIS

Not a controlled product

Canadian Environmental Protection Act (CEPA)

All constituents of these products are on the Domestic Substance List (DSL).

EPCRA SARA Title III Classification

Section 311/312/ Hazard Classes: Not applicable

Section 313 Toxic Chemicals: Not applicable

CERCLA/SARA 302 Reportable Quantity (RQ)

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

Section XVI – Other Information

Original Issued Date: January 22, 2014

Revision Date: January 22, 2014

Additional Information: The information above is accurate and reliable to the best of our knowledge as the date hereof. However, such information is not to be interpreted as representing a warranty or guarantee as to its accuracy and reliability or completeness. No warranty of any kind is given or implied and PREMIER TECH HORTICULTURE LTD will not be liable for any damages, losses, injuries or consequential damages which may result from the uses or reliance on any information contained. The users must do their own research for the pertinence of the information for specific use. For more information: www.pthorticulture.com.
