

**PRO-MIX HP BIOFUNGICIDE + MYCORRHIZAE / EPA Reg. No. 74267-4**
**Section I – Product and company identification**
**Product's Name**

PRO-MIX HP BIOFUNGICIDE + MYCORRHIZAE / EPA Reg. No. 74267-4

**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:**

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Rivière-du-Loup (Québec)

**Prepared by:**

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G5R 6C1 CANADA

**Section II – Hazard Identification**

| Route(s) of Entry: | Inhalation<br>Possible | Skin<br>Open wounds | Ingestion<br>Not applicable | Eyes<br>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 | 25 - 35 |

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

**B. Non-Hazardous**

| Ingredient | #CAS | %       |
|------------|------|---------|
| Peat Moss  | ---  | 65 - 75 |

**Exposure limits of Peat Moss Dust**

| OSHA PEL        |                      | ACGIH TLV            |                      |
|-----------------|----------------------|----------------------|----------------------|
| Respirable Dust | 5 mg/m <sup>3</sup>  | Respirable Particles | 3 mg/m <sup>3</sup>  |
| Total Dust      | 15 mg/m <sup>3</sup> | Inhalable Particles  | 10 mg/m <sup>3</sup> |

**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                                                                                                                                                                                                                              |                                               |                                                 |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|---------------------------------|
| <b>Flash Point (Method Used):</b> Not applicable                                                                                                                                                                                                                |                                               | <b>Flammable Limits:</b> Not applicable         | <b>LEL:</b> --- <b>UEL:</b> --- |
| <b>Extinguishing Media:</b> Water                                                                                                                                                                                                                               |                                               | <b>Unusual Fire and Explosion Hazard :</b> None |                                 |
| <b>Special Fire-Fighting Procedures:</b><br>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                                                                                                                                                                                                                        |                                               |                                                 |                                 |
| <b>Steps to Be Taken in Case Material is Released or Spilled:</b><br>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                                                                                                                                                                                                                              |                                               |                                                 |                                 |
| <b>Handling:</b> 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.                                                                     |                                               |                                                 |                                 |
| <b>Storage:</b> No special storage requirements.                                                                                                                                                                                                                |                                               |                                                 |                                 |
| Section VIII – Exposure Control and Personal Protection                                                                                                                                                                                                         |                                               |                                                 |                                 |
| <b>Respiratory Protection (<i>Specify Type</i>):</b><br>If dust is created use NIOSH or MSHA approved respirator for nuisance dust of this type.                                                                                                                |                                               |                                                 |                                 |
| <b>Ventilation:</b><br>Local exhaust advisable if excessive dust is created.                                                                                                                                                                                    |                                               |                                                 |                                 |
| <b>Protective Gloves:</b><br>Not normally necessary but suggested in cases of open wounds that are not appropriately protected.                                                                                                                                 |                                               |                                                 |                                 |
| <b>Eye Protection:</b><br>Protective eyewear should be worn where dust levels are high enough to cause irritation.                                                                                                                                              |                                               |                                                 |                                 |
| <b>Protective Clothing or Equipment:</b><br>Normal work clothing.                                                                                                                                                                                               |                                               |                                                 |                                 |
| <b>Work/Hygienic Practices:</b><br>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                                                                                                                                                                                                                   |                                               |                                                 |                                 |
| <b>Boiling Point</b>                                                                                                                                                                                                                                            | Not applicable                                | <b>Specific Gravity (H<sub>2</sub>O = 1)</b>    | 1.5                             |
| <b>Vapor Pressure (mm Hg)</b>                                                                                                                                                                                                                                   | Not applicable                                | <b>Melting Point</b>                            | Not applicable                  |
| <b>Vapor Density (AIR = 1)</b>                                                                                                                                                                                                                                  | Not applicable                                | <b>Evaporation Rate (Butyl Acetate = 1)</b>     | Not applicable                  |
| <b>Solubility in Water</b>                                                                                                                                                                                                                                      | Not applicable                                |                                                 |                                 |
| <b>Appearance and Odor</b>                                                                                                                                                                                                                                      | From blond to light brown fiber, earthy odor. |                                                 |                                 |
| Section X – Stability and Reactivity                                                                                                                                                                                                                            |                                               |                                                 |                                 |
| <b>Stability:</b> Stable                                                                                                                                                                                                                                        |                                               | <b>Conditions to Avoid:</b> None known          |                                 |
| <b>Incompatibility (<i>Materials to Avoid</i>):</b> None known                                                                                                                                                                                                  |                                               |                                                 |                                 |
| <b>Hazardous Decomposition or by Products:</b> None                                                                                                                                                                                                             |                                               |                                                 |                                 |
| <b>Hazardous Polymerization:</b> Will not occur                                                                                                                                                                                                                 |                                               | <b>Conditions to Avoid:</b> None                |                                 |
| Section XI – Toxicological Information                                                                                                                                                                                                                          |                                               |                                                 |                                 |
| <b>Acute toxicity</b>                                                                                                                                                                                                                                           |                                               |                                                 |                                 |
| <b>Eye effects:</b> Contact with eyes may cause irritation                                                                                                                                                                                                      |                                               |                                                 |                                 |
| <b>Skin effects:</b> May cause skin irritation in susceptible persons                                                                                                                                                                                           |                                               |                                                 |                                 |
| <b>Chronic toxicity</b>                                                                                                                                                                                                                                         |                                               |                                                 |                                 |
| <b>Carcinogenic effects:</b>                                                                                                                                                                                                                                    | NTP<br>None                                   | IARC<br>None                                    | OSHA<br>None                    |
| <b>Ingestion:</b> Health injuries are not known or expected under normal use                                                                                                                                                                                    |                                               |                                                 |                                 |
| <b>Inhalation:</b> Health injuries are not known or expected under normal use                                                                                                                                                                                   |                                               |                                                 |                                 |

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**Section XII – Ecological Information**

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**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.

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**Section XIII – Disposal Information**

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**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

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**Section XIV – Transport Information**

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TDG Classification: Not regulated

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

Water/Air Transport – International: Not regulated

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**Section XV – Regulatory Information**

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**EPA Registration No.**

74267-4

**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

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**Section XVI – Other Information**

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**Original Issued Date:** January 22, 2014

**Revision Date:** January 22, 2014

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**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](http://www.pthorticulture.com).

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