

**SECTION 1. IDENTIFICATION**

**Product Name:** PRO-MIX® FPO, PRO-MIX® FPO AGTIV® STIMULATE™ (also named PRO-MIX® FPO BIOSTIMULANT), PRO-MIX® FPO AGTIV® DEFEND™ (also named PRO-MIX® FPO BIO-FUNGICIDE™) / EPA reg. no. 74267-10

**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, Peat based products and Natural coir (Cocos nucifera) 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	---	60-70%
Natural coir (Cocos nucifera)	---	10-20%
Perlite	93763-70-3	10-20%
Non Controlled ingredients	---	1%
Comments: Perlite may contain less than 1% Quartz (CAS # 14808-60-7)		

Concentrations are expressed in % volume/volume

**SECTION 4. FIRST-AID MEASURES**

**Inhalation**

**Skin Contact**

**Eye Contact**

If inhaled, provide fresh air.

Non-irritant. If skin irritation occurs, get medical attention or advice.

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 Particules	Inhalable Particules
Peat moss	5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Natural coir (Cocos nucifera)	5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Crystalline silica	0.05 mg/m <sup>3</sup>	Not available	0.025 mg/m <sup>3</sup>	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 odor
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)	0.1
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

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

**Canada**

**Canadian Environmental Protection Act (CEPA)**

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

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

**Date of Preparation:** 2024-03-19

**Date of Revision:** 2024-03-22

<b>Glossary of abbreviations</b>
<b>ACGIH:</b> American Conference of Governmental Industrial Hygienists
<b>CAS:</b> Chemical Abstracts Service (Registration number)
<b>CERCLA:</b> Comprehensive Environmental Response, Compensation, and Liability Act
<b>DOT:</b> Department of Transportation
<b>GHS:</b> Globally Harmonized System
<b>IBC:</b> International Bulk Container
<b>OSHA:</b> Occupational Safety and Health Administration
<b>PEL:</b> Permissible Exposure Limit
<b>RCRA:</b> Resource Conservation and Recovery Act
<b>SARA:</b> Superfund Amendments and Reauthorization Act
<b>SDS:</b> Safety Data Sheet
<b>TLV:</b> Threshold Limit Value
<b>TDG:</b> Transportation of Dangerous Goods