

SECTION 1. IDENTIFICATION

Product Name: AGTIV[®] PULSES • Granular
Recommended Use: Mycorrhizal and Rhizobium inoculants for agriculture
Restriction on Use: None known
Manufacturer : Premier Tech Biotechnologies, 1 avenue Premier, Rivière-du-Loup, QC, G5R 6C1
Emergency Phone Number: 1-800-606-6926
Number: Available from 8:00 am to 5:00 pm EST, Monday to Friday

SECTION 2. HAZARDS IDENTIFICATION**Classification**

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Pictogram(s):

Not applicable.

Signal Word:

Not applicable.

Hazard Statement(s):

Not applicable.

Precautionary Statement(s):

Not applicable.

Other Hazards

Nuisance Dust

This product contains crystalline silica:

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

This product contains Peat:

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).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Peat	Not applicable	70-75
Non-controlled ingredients	Not applicable	25-30
Crystalline silica:		
Cristobalite	14464-46-1	< 0.5
Quartz	14808-60-7	

Concentrations are expressed in % weight/weight.

SECTION 4. FIRST-AID MEASURES

Inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

Skin Contact:

Gently wash with plenty of soap and water. Get medical assistance if complications occur.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical assistance if complications occur.

Ingestion:

Rinse mouth with water. Get medical assistance if complications occur.

Most Important Symptoms and Effects:

None known.

Immediate Medical Attention and Special Treatment:

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media**Suitable Extinguishing Media:**

Water.

Unsuitable Extinguishing Media:

None known.

Specific Hazards Arising from the Product:

Thermal decomposition releases CO, CO₂, Hydrocarbons

Special Protective Equipment and Precautions for Fire-fighters:

Wear an independent respirator.

Burning may continue inside bag after surface fire is out. Break bag to separate pile to assure that the fire is extinguished. Take care to keep dusting to a minimum. The thermal decomposition products are those commonly observed with natural products such as wood or vegetable matter. Dry peat may wick petroleum-based products to an open flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures**Personal Precautions:**

Wear eye protection/protective gloves/face protection.

Emergency Procedures:

None known.

Environmental Precautions:

None known.

Methods and Material for Containment and Cleaning Up:

Vacuum clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is necessary. Minimize dust generation and accumulation. Avoid breathing dust.

SECTION 7. HANDLING AND STORAGE
Precautions for Safe Handling:

Wear eye protection and gloves. 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. Seal broken bags immediately. Continue to follow all SDS/label warning when handling empty containers.

Conditions for Safe Storage:

Avoid frost, high temperatures and direct sunlight.

Incompatibilities:

Hydrofluoric Acid.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
CONTROL PARAMETERS

Occupational Exposure Limits Values		
NAME	OSHA PEL	ACGIH TLV
	TWA (respirable)	TWA (respirable)
Peat	5 mg/m ³	3 mg/m ³
Crystalline silica	0.05 mg/m ³	0.025 mg/m ³

Appropriate Engineering Controls:

Use a sufficient natural or mechanical ventilation to keep dust level below PEL or TLV.

Individual Protection Measures
Eye/Face Protection:

Wear eye protection.

Skin Protection:

Wear gloves.

Respiratory Protection:

Use an appropriate mask respirator where airborne dust concentrations are expected to exceed exposure limits.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown; granular
Odour	Earth odor
Odour Threshold	Not applicable
pH	Not applicable
Melting Point/Freezing Point	Not applicable/0° C
Boiling Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Flammable
Upper/Lower Explosive Limit	Not applicable
Vapour Pressure	Not applicable
Vapour Density (air=1)	Not applicable
Relative Density (water=1)	No data available
Solubility	Not applicable
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable

Auto-ignition Temperature	500°F/260°C
Decomposition Temperature	Not applicable
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

None known.

Chemical Stability:

Stable.

Possibility of Hazardous Reactions:

None known.

Conditions to Avoid:

Avoid frost, high temperatures and direct sunlight.

Incompatible Material:

Hydrofluoric Acid.

Hazardous Decomposition Products:

Thermal decomposition releases CO, CO₂, Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

None known.

Acute Toxicity:

None known.

Skin Corrosion/Irritation:

None known.

Serious Eye Damage/Irritation:

None known.

Respiratory and/or Skin Sensitization:

None known.

STOT (Specific Target Organ Toxicity)**Single Exposure:**

None known.

Repeated Exposure:

None known.

Carcinogenicity:

None known.

Reproductive Toxicity**Development of Offspring:**

None known.

Sexual Function and Fertility:

None known.

Effects on or Via Lactation:

None known.

Germ Cell Mutagenicity:

None known.

Additional Information:

None known.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity:**

None known.

Persistence and Degradability:

None known.

Bioaccumulation Potential:

None known.

Mobility in Soil:

None known.

Other Adverse Effects:

None known.

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 TDG regulations. Not regulated under US DOT regulations.

SECTION 15. REGULATORY INFORMATION

This product is not classified and does not require any regulatory control.

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 BIOTECHNOLOGIES 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.premiertech.com/global

SDS Prepared By: Premier Tech Biotechnologies

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Glossary of abbreviations
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (Registration number)
DOT: Department of Transportation
EST: Eastern Standard Time
NIOSH: National institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value
TWA: Time-Weighted Average