

SECTION 1. IDENTIFICATION

Product Name: AGTIV[®] ON SEED[™] RHIZO-Powder for PULSES
Registration Number: CFIA-Fertilizers Act: # 2019214A
Recommended Use: Rhizobium inoculant 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
 Available from 8:00 am to 5:00 pm EST, Monday to Friday

SECTION 2. HAZARDS IDENTIFICATION

Classification according to:

Canada: WHIMS

United States: OSHA 29 CFR 1910.1200 HCS

European Union: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

WHIMS: Not classified

CLP: Not classified

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 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	60-70
Non-controlled ingredients	Not applicable	30-40

Concentrations are expressed in % weight/weight.

SECTION 4. FIRST-AID MEASURES

Inhalation:

If inhaled, provide fresh air. Get medical assistance if complications occur.

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:**

Ensure adequate ventilation or wear an approved respirator.

Recommended to wear safety goggles and gloves.

Emergency Procedures:

None known.

Environmental Precautions:

None known.

Methods and Material for Containment and Cleaning Up:

Vacuum clean dust. 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:

Handle in a well-ventilated area. Avoid generating dust during manipulation or wear goggles and an NIOSH or MSHA approved respirator for this type of nuisance dust. Avoid inhalation and direct contact with the eyes and open wound. Recommended to wear safety goggles and gloves.

Conditions for Safe Storage:

Avoid frost, high temperatures and direct sunlight.

Incompatibilities:

None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational Exposure Limits Values				
NAME	OSHA PEL		ACGIH TLV	
	TWA (respirable)	TWA (total)	TWA (respirable)	TWA (inhalable)
Peat	5 mg/m ³	15 mg/m ³	3 mg/m ³	10 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 is recommended.

Skin Protection:

Wear gloves is recommended. Avoid direct contact with an open wound.

Respiratory Protection:

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark powder
Odour	Earth odor
Odour Threshold	No data available
pH	No data available
Melting Point/Freezing Point	No data available/0° C
Boiling Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
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 soluble
Partition Coefficient, n-Octanol/Water (Log Kow)	No data available
Auto-ignition Temperature	500°F/260°C

Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

Not reactive.

Chemical Stability:

Stable.

Possibility of Hazardous Reactions:

None known.

Conditions to Avoid:

Avoid frost, high temperatures and direct sunlight.

Incompatible Material:

None known.

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 Transportation of Dangerous Goods (TDG) regulations.

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

Not regulated under European Land transport (ADR/RID) Regulations.

Not regulated under European Inland waterway transport (AND) Regulations.

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

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

SECTION 15. REGULATORY INFORMATION

This product is not 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

This product does 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 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
ANSES: Agence Nationale de sécurité sanitaire de l'alimentation
CAS: Chemical Abstracts Service (Registration number)
CFIA: Canadian Food Inspection Agency
CLP: Classification, Labelling, Packaging
EST: Eastern Standard Time
NIOSH: National institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
TWA: Time-Weighted Average
WHIMS: Workplace Hazardous Materials Information System