

**SECTION 1. IDENTIFICATION**

**Product Name:** BRADYRHIZOBIUM INOCULANT by AGTIV<sup>®</sup> for SOYBEAN in granular form  
**Recommended Use:** Bradyrhizobium inoculant for agriculture  
**Restriction on Use:** None known  
**Manufacturer :** Premier Tech Biotechnologies, 1 avenue Premier, Rivière-du-Loup, QC, G5R 6C1  
**Emergency Phone** 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 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

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:**

No significant reaction of the human body to the product known.

**Immediate Medical Attention and Special Treatment:**

Not applicable.

**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, CO<sub>2</sub>, 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 and goggles.

**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.

**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 <sup>3</sup>	15 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**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 where airborne dust concentrations are expected to exceed exposure limits.

**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	Solid, granular, color dark-brown
Odour	Earth odor
Odour Threshold	Not applicable
pH	No data available
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	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, CO<sub>2</sub>, 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](http://www.premiertech.com/global)

**SDS Prepared By:** Premier Tech Biotechnologies

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