

**SECTION 1. IDENTIFICATION**

**Product Name:** AGTIV<sup>®</sup> RHIZO • Liquid for PULSES  
**Recommended Use:** Rhizobium Inoculant  
**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:**

Not applicable.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	%
Active ingredient: Pure culture of <i>Rhizobium leguminosarum</i> biovar <i>viciae</i> , strain PTB160; IDAC # 241014-02	Not applicable	100
Non-controlled ingredients		

Concentrations are expressed in % weight/weight.

## SECTION 4. FIRST-AID MEASURES

**Inhalation:**

If difficulty in breathing occurs, move to 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:**

None known.

**Special Protective Equipment and Precautions for Fire-fighters:**

None known.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Recommended to wear safety goggles and gloves.

**Emergency Procedures:**

None known.

**Environmental Precautions:**

None known.

**Methods and Material for Containment and Cleaning Up:**

None known.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling:

Avoid unnecessary skin contact.  
Recommended to wear safety goggles and gloves.  
Do not breathe fumes.

### Conditions for Safe Storage:

Local exhaust. Store between 2°C to 20°C. Do not freeze. Store away from food or feed.

### Incompatibilities:

None known.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

Not applicable.

### Appropriate Engineering Controls:

Local exhaust or containment.

### Individual Protection Measures

#### Eye/Face Protection:

It is recommended to wear safety goggles.

#### Skin Protection:

It is recommended to wear gloves.  
Avoid contact with open wound. Protect open wound.  
Avoid unnecessary skin contact.

#### Respiratory Protection:

No respiratory protection is necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber, liquid suspension
Odour	Slight odour
Odour Threshold	No data available
pH	6.0 to 7.5
Melting Point/Freezing Point	0° C
Boiling Point	100° C
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Explosive Limit	No data available
Vapour Pressure	No data available
Vapour Density (air=1)	No data available
Relative Density (water=1)	No data available
Solubility	No data available
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

**SECTION 10. STABILITY AND REACTIVITY****Reactivity:**

Not reactive.

**Chemical Stability:**

Stable.

**Possibility of Hazardous Reactions:**

None known.

**Conditions to Avoid:**

None known.

**Incompatible Material:**

None known.

**Hazardous Decomposition Products:**

None known.

**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 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**

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](http://www.premiertech.com/global)

**SDS Prepared By:** Premier Tech Biotechnologies

**Date of Preparation:** 2018/01

**Date of last revision:** 2019/01

<b>Glossary of abbreviations</b>
<b>CAS:</b> Chemical Abstracts Service (Registration number)
<b>EST:</b> Eastern Standard Time
<b>GHS:</b> Global Harmonized System
<b>OSHA:</b> Occupational Safety and Health Administration
<b>WHIMS:</b> Workplace Hazardous Materials Information System