

**SECTION 1 - PRODUCT INFORMATION AND COMPANY IDENTIFICATION**
**PRODUCT NAME : AGTIV™ FIELD CROPS • Granular**
**Manufacturer's name**  
 Premier Tech Biotechnologies  
 1, avenue Premier  
 Rivière-du-Loup (Québec)  
 G5R 6C1 CANADA

**Phone number for information and emergency: 1-866-454-5867**  
 Available from 8:00am to 5:00pm EST, Monday to Friday

**Date: 2016/01/06**
**Prepared by: Product development, Premier Tech Biotechnologies**
**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS NO	PERCENT (% p/p)	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	RSST (VEMP)
Natural zeolite	1318-02-1	94			
Kaolin clay	1332-58-7	1.5		3 mg/ m <sup>3</sup> (R) 10 mg/ m <sup>3</sup> (T)	5 mg/ m <sup>3</sup> (R)
Non-controlled ingredients		4.5			

The active ingredient of this product is pure culture of GHA297 (*Glomus intraradices*). There is no known health effect caused by this naturally occurring soil microorganism.

T: TOTAL MASS R: BREATHABLE MASS

**SECTION 3 – HAZARD IDENTIFICATION**

ROUTE (S) OF ENTRY:	Inhalation	Skin	Eyes	Ingestion
	X	Open wounds	X	X

**ACUTE HEALTH HAZARD**

INHALATION	SKIN CONTACT	EYE CONTACT	INGESTION
Irritation	No effect	Irritation	No effect

**CHRONIC HEALTH HAZARD**

<b>SKIN CONTACT :</b>	May cause mechanical eye or skin irritation in high concentrations
<b>INHALATION :</b>	Inhalation of large amounts of any noxious dust over a long period may overload the lung clearance mechanism, irritate the mucous membrane and make the lungs more vulnerable to respiratory disease.

**SECTION 4 – FIRST AID MEASURES**

<b>INHALATION :</b>	If inhaled, provide fresh air.
<b>SKIN CONTACT :</b>	Keep open wounds covered and clean. If contact, wash with soap and water.
<b>EYE CONTACT :</b>	Rinse the eyes immediately and thoroughly with water.

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>SPECIAL FIRE FIGHTING PROCEDURES :</b>	None	<b>FLASH POINT (METHOD USED) :</b>	Not applicable
<b>EXTINGUISHING MEDIA :</b>	Water	<b>INFERIOR FLAMMABLE LIMITS (LFL) :</b>	Not applicable
<b>UNUSUAL FIRE AND EXPLOSION HAZARD :</b>	None	<b>SUPERIOR FLAMMABLE LIMITS (UFL) :</b>	Not applicable

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Use a method to clean the spill which will not create airborne dust.

**SECTION 7 – HANDLING AND STORAGE**

<b>HANDLING AND STORING PRECAUTIONS:</b>	If excessive dust is produced, avoid breathing dust by using adequate ventilation and/or a NIOSH or MSHA approved respirator for this type of noxious dust.
<b>OTHER PRECAUTIONS:</b>	Protective eyewear should be worn where dust levels are high enough to cause irritation.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>RESPIRATORY PROTECTION:</b>	If dust is produced, use NIOSH or MSHA approved respirator for this type of dust.
<b>VENTILATION:</b>	If excessive dust is created, it is recommended to ventilate the area.
<b>PROTECTIVE GLOVES:</b>	Not necessary but recommended where an open wound is not appropriately protected.
<b>EYE PROTECTION:</b>	Protective eyewear should be worn where dust levels are high enough to cause irritation.
<b>PROTECTIVE CLOTHING OR EQUIPMENT:</b>	Normal work clothing.

**SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES**

PHYSICAL CONDITION :	Solid, granular	VAPOR PRESSURE (MM HG) :	Not applicable
APPEARANCE :	Greenish granule	BOILING POINT :	Not applicable
ODOR :	Odorless	VAPOR DENSITY (AIR = 1) :	Not applicable
BULK DENSITY:	0,9 g/cm <sup>3</sup>	MELTING POINT :	Not applicable
SOLUBILITY IN WATER :	Insoluble	EVAPORATION RATE (BUTYL ACETATE= 1) :	Not applicable

**SECTION 10 – STABILITY AND REACTIVITY**

STABILITY :	The product is stable
CONDITION TO AVOID :	None known
INCOMPATIBILITY :	Non reactive
HAZARDOUS DECOMPOSITION PRODUCTS :	None known
HAZARDOUS POLYMERIZATION :	Cannot occur

**SECTION 11 – TOXICOLOGIC INFORMATION**

CARCINOGENIC EFFECTS :	No research data available
MUTAGENIC EFFECTS :	No research data available
TERATOGENIC EFFECTS :	No research data available

Natural zeolite may contain crystalline silica. Long term excessive exposure (10-15 years) to concentrated crystalline silica (breathable fraction) may cause risk of lung damage (silicosis). Silicosis is a chronic disease of the lungs marked by acute fibrosis (depending on the how much crystalline silica is in the air, the duration of exposure and on the size of the particles). Accelerated or acute silicosis can take place after many exposures with fines particles. However, product water content renders significant exposure unlikely under typical use conditions.

**SECTION 12 – ECOLOGICAL INFORMATION**

Generally considered chemically inert in the environment.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

The waste of this product is not defined as hazardous. Dispose of all waste in accordance with federal, state and local regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

TDG CLASSIFICATION:	Not regulated
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**SECTION 15 – REGULATORY INFORMATION**

The above information is accurate and reliable to the best of our knowledge, to date. However, this information should not be interpreted as a guarantee of accuracy or be considered complete. No warranty of any kind is given or implied and Premier Tech Biotechnologies will not be considered responsible for any damage, loss, injury or consequential damage which may result from the use or reliance on any information contained. Users must to do their own research as to the pertinence of this information for specific use.

**SECTION 16 – OTHER INFORMATION**

<b>SIGNIFICATION OF ABBREVIATIONS :</b>			
CAS	Chemical Abstracts Service (Registration number)	TLV	Threshold Limit Value
OSHA	Occupational Safety and Health Administration	TDG	Transportation of Dangerous Goods
VEMP	Adjusted Average Exposure Rate	RSST	Provincial Workplace Health and Safety Regulations
ACGIH	American Conference of Governmental Industrial Hygienists	PEL	Permissible Exposure Limit
EST	Eastern Standard Time		