

**BIOPROTEC® PLUS**  
REGISTRATION NO: 32425

**AQUEOUS BIOLOGICAL INSECTICIDE**  
PEST CONTROL PRODUCTS ACT

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	Bioprotec PLUS	<b>MANUFACTURER:</b>	AEF GLOBAL INC.
<b>ACTIVE INGREDIENT:</b>	<i>Bacillus thuringiensis</i> ssp. <i>kurstaki</i>		925, des Calfats
<b>USE:</b>	Biological insecticide		Levis, Quebec, Canada G6Y 9E8
<b>CAS NUMBER:</b>	68038-71-1	<b>EMERGENCY TELEPHONE NUMBERS:</b>	
<b>CAS NAME:</b>	<i>Bacillus thuringiensis</i>	Office hours:	1-866-622-3222 (toll free)
			1-418-838-4441

## 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**COMPOSITION:**

NAME:	CAS #	% BY WEIGHT
<i>Bacillus thuringiensis</i> ssp. <i>kurstaki</i>	68038-71-1	Minimum of 14.49% (dry weight)

**FORMULA:** Not applicable

## 3. HAZARDS IDENTIFICATION

<b>CLASSIFICATION :</b>	Eye irritant Category 2B	<b>ACUTE EFFECTS:</b>	
<b>SIGNAL WORD :</b>	CAUTION	<b>INHALATION:</b>	None known to exist
<b>PICTOGRAM :</b>	Not required	<b>SWALLOWING:</b>	None known
<b>HAZARD STATEMENT :</b>	EYE IRRITANT	<b>SKIN ABSORPTION:</b>	Not known to occur
<b>PRECAUTIONS :</b>	POTENTIAL SENSITIZER. CAUTION EYE IRRITANT. Avoid contact with skin, eyes or clothing. Avoid breathing dust/spray mist.	<b>SKIN/EYE CONTACT:</b>	Transient irritation may occur
<b>TLV AND SOURCE:</b>	None established by ACGIH or OSHA.	<b>CHRONIC HEALTH EFFECTS:</b>	Not known to exist
		<b>CARCINOGENICITY:</b>	This material is not considered to be a carcinogen by the NTP, the IARC or the OSHA.

## 4. FIRST AID MEASURES

**SWALLOWING:** Rinse mouth and throat with copious amounts of water. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If signs of irritation or toxicity occur, seek medical attention.

**SKIN:** Wash with copious amounts of water for 15-20 minutes. If irritation persists or signs of toxicity occur, seek medical attention.

**INHALATION:** Remove from exposure and move person to fresh air. If person is not breathing, call 911 or an

ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. If signs of toxicity occur, seek medical attention.

**EYES:** Flush with copious amounts of water. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**Notes to Physician:** *There is no specific antidote if this product is ingested. Treat symptomatically.*

## 5. FIRE AND EXPLOSION DATA

<b>FLASH POINT:</b>	Not applicable	<b>UNUSUAL FIRE EXPLOSION OR REACTIVITY HAZARD:</b>	None known to exist
<b>FLAMMABILITY:</b>	Not applicable	<b>EXTINGUISHING MEDIA:</b>	No special requirements
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	No special requirements	<b>HAZARDOUS COMBUSTION PRODUCT:</b>	None known

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL INFORMATION:** Bioprotec PLUS, an aqueous concentrate, is a biopesticide and no significant adverse effects to humans or the environment are associated with its use.

**SPILL OR LEAK PROCEDURES:** If spilled on a solid surface, such as road or pavement, dike and absorb with inert material, such as clay or pet litter, sweep up and place in a container for disposal. Flush area with water to dilute remaining material.

## 7. HANDLING AND STORAGE

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. POTENTIAL SENSITIZER. CAUTION EYE IRRITANT. Avoid contact with skin, eyes or clothing. Avoid breathing dust/spray mist.

**STORAGE:** Store in a cool area at temperature between 4 °C and 20 °C; long exposure to higher temperature may reduce activity. This product should be used within 18 months of the date of manufacture. Store container upright and keep tightly closed when not in use. After extended storage, shake or stir contents to assure a uniform suspension.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**VENTILATION:** Local exhaust as necessary.

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:** None required under usual conditions of use. If potential exposure to aerosol in enclosed, poorly ventilated area, use air purifying respirator with dust/mist filter if necessary.

**PROTECTIVE GLOVES:** None required under usual conditions of use.

**EYE PROTECTION:** None required under usual conditions of use. To avoid eye contact, wear safety glasses with side shields or chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Light brown liquid suspension	<b>SOLUBILITY:</b>	Disperses in water
<b>ODOUR:</b>	Slight acidic odor	<b>pH:</b>	5.0 – 5.6
<b>MELTING POINT:</b>	Not applicable	<b>VAPOR PRESSURE:</b>	Not available
<b>BOILING POINT:</b>	100°C	<b>% VOLATILES/VOLUME:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	1.09 – 1.11		

## 10. STABILITY AND REACTIVITY DATA

<b>STABILITY:</b>	Stable	<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	None known
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur	<b>HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:</b>	None known
<b>CONDITIONS TO AVOID:</b>	None known		

## 11. TOXICOLOGICAL INFORMATION

**GENERAL INFORMATION:** Bioprotec PLUS, an aqueous concentrate, is a biopesticide and no significant adverse effects to humans are associated with its use. Treat symptomatically.

**TOXICITY DATA:** Not available

#### 12. ECOLOGICAL INFORMATION

**GENERAL INFORMATION:** Bioprotec PLUS, an aqueous concentrate, is a biopesticide and no significant adverse effects to the environment are associated with its use. As this pesticide is not registered for the control of pests in aquatic system, do not use to control aquatic pest.

**ECOLOGICAL TOXICITY DATA:** Not available

#### 13. DISPOSAL CONSIDERATIONS

**GENERAL INFORMATION:** Dispose of product containers and waste product in accordance with provincial regulations and label instructions.

#### 14. TRANSPORT INFORMATION

<b>UN NUMBER:</b>	Not applicable	<b>PACKING GROUP:</b>	Not applicable
<b>TDG CLASSIFICATION:</b>	Not regulated	<b>SPECIAL SHIPPING INSTRUCTION:</b>	Not applicable

#### 15. OTHER REGULATORY INFORMATION

**FEDERAL REGULATIONS:** This pest control product is subject to the *Pest Control Products Act* and Regulations, and the *Food and Drugs Act* and Regulations.

#### 16. OTHER INFORMATION

**SUPPLEMENTAL INFORMATION:** The information and recommendations contained herein are based on data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made by AEF Global Inc. with respect to the information contained herein.

Latest revision: November 29, 2019.

For more information, refer to the label. You can also visit [www.aefglobal.com](http://www.aefglobal.com).