

## LEPROTEC

## AQUEOUS BIOLOGICAL INSECTICIDE

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Leprotec

**ACTIVE INGREDIENT:** *Bacillus thuringiensis* ssp.

**USE:** *kurstaki*  
Biological insecticide

**CAS NUMBER:** 68038-71-1

**CAS NAME:** *Bacillus thuringiensis*

**EPA REGISTRATION NO.:** 89046-12-88847

**MANUFACTURED BY:**  
AEF GLOBAL INC.  
925 des Calfats  
Levis, Quebec, Canada G6Y 9E8

**EMERGENCY TELEPHONE NUMBERS:**

Infotrac: 1-800-535-5053 (toll free)

**DISTRIBUTED BY:**  
VESTARON CORPORATION.  
4717 Campus Dr. Suite 1200  
Kalamazoo, MI 49008

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

**COMPOSITION:**

NAME:	CAS #	% BY WEIGHT
<i>Bacillus thuringiensis</i> ssp.	68038-71-1	14.49%
<i>kurstaki</i>		

**FORMULA:** Not applicable

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** **CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

**TLV AND SOURCE:** None established by ACGIH or OSHA.

**ACUTE EFFECTS:**

**INHALATION:** None known to exist

**SWALLOWING:** None known

**SKIN ABSORPTION:** **CAUTION:** Harmful if absorbed through skin.

**SKIN/EYE CONTACT:** **CAUTION:** Causes moderate eye irritation.

**CHRONIC HEALTH EFFECTS:** Not known to exist

**CARCINOGENICITY:** This material is not considered to be a carcinogen by the NTP, the IARC or the OSHA.

### 4. FIRST AID MEASURES

## Safety Data Sheet

**SWALLOWING:** Rinse mouth and throat with copious amounts of water. Do not induce vomiting unless told to do so by a poison control center 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 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</b>	
<b>FLAMMABILITY:</b>	Not applicable	<b>OR REACTIVITY HAZARD:</b>	None known to exist
<b>SPECIAL FIRE FIGHTING</b>		<b>EXTINGUISHING MEDIA:</b>	No special requirements
<b>PROCEDURES:</b>	No special requirements	<b>HAZARDOUS COMBUSTION</b>	
		<b>PRODUCT:</b>	None known

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL INFORMATION:** Leprotec, 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. **CAUTION:** Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**STORAGE:** Store in a cool area at temperature between 39 °F (4 °C) and 68 °F (20 °C); long exposure to higher temperature may reduce activity. This product should be used within 12 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:**

## Safety Data Sheet

**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

**APPEARANCE:** Light brown liquid suspension  
**ODOUR:** Slight acidic odor  
**MELTING POINT:** Not applicable  
**BOILING POINT:** 100°C  
**SPECIFIC GRAVITY:** 1.10 – 1.15

**SOLUBILITY:** Disperses in water  
**pH:** 4.8 – 5.4

**VAPOR PRESSURE:** Not available  
**% VOLATILES/VOLUME:** Not available

**PARTITION COEFFICIENT:** Not available

**VISCOSITY:** Not available

**FLASH POINT:** Not applicable  
**FLAMMABILITY:** Not applicable

### 10. STABILITY AND REACTIVITY DATA

**STABILITY:** Stable when store according to label instructions between 39°F (4°C) and 68°F (20°C).

**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None known

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:**

None known

### 11. TOXICOLOGICAL INFORMATION

**GENERAL INFORMATION:** Leprotec, 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:** Leprotec, 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

**UN NUMBER:** Not applicable  
**TDG CLASSIFICATION:** Not regulated

**PACKING GROUP:** Not applicable  
**SPECIAL SHIPPING INSTRUCTION:** Not applicable

### 15. OTHER REGULATORY INFORMATION

**FEDERAL REGULATIONS:** EPA Registration. No: 89046-12-88847

This pesticide product is subject to certain labeling requirements under federal pesticide law.

### 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 Vestaron Corporation with respect to the information contained herein.

**Latest revision:** 2018-10-18

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