

BREVA

REGISTRATION NO (Malaysia): LRMP.R1/9283

AQUEOUS BIOLOGICAL INSECTICIDE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BREVA
ACTIVE INGREDIENT: *Bacillus thuringiensis* ssp. *kurstaki*
USE: Biological insecticide
CAS NUMBER: 68038-71-1
CAS NAME: *Bacillus thuringiensis*

EMERGENCY TELEPHONE NUMBERS:
 603 7932 4170
 1-800-88-8099

MANUFACTURER:
 AEF GLOBAL INC.
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 Levis, Quebec, Canada G6W 5M6

REGISTRANT:
 B Cube Enviro Sdn Bhd
 Unit 805, 8th Floor, Block F,
 Pusat Dagangan Phileo Damansara 1,
 Jalan 16/11, Off Jalan Damansara,
 46350 Petaling Jaya,
 Selangor, Malaysia

2. HAZARDS IDENTIFICATION

CLASSIFICATION : EYE IRRITANT
 CATEGORY 2B

SIGNAL WORD : CAUTION

PICTOGRAM : Not required

HAZARD STATEMENT : EYE IRRITANT

PRECAUTIONS : POTENTIAL SENSITIZER.
 CAUTION EYE IRRITANT.
 Avoid contact with skin,
 eyes or clothing. Avoid
 breathing dust/spray mist.
 DUST/SPRAY MIST.

TLV AND SOURCE: None established by
 ACGIH or OSHA.

ACUTE EFFECTS:

INHALATION: None known to exist

SWALLOWING: None known

SKIN ABSORPTION: Not known to occur

SKIN/EYE CONTACT: Transient irritation may
 occur

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.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

COMPOSITION:

NAME:
Bacillus thuringiensis ssp.
kurstaki

CAS #
 68038-71-1

GUARANTEE
 11 400 IU/mg (12.7 BIU/Litre)

FORMULA: Not applicable

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

FLASH POINT: Not applicable
FLAMMABILITY: Not applicable
SPECIAL FIRE FIGHTING PROCEDURES: No special requirements

UNUSUAL FIRE EXPLOSION OR REACTIVITY HAZARD: None known to exist
EXTINGUISHING MEDIA: No special requirements
HAZARDOUS COMBUSTION PRODUCT: None known

6. ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION: BREVA, 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

APPEARANCE: Light brown liquid suspension
ODOUR: Slight acidic odor
MELTING POINT: Not applicable
BOILING POINT: 100°C
SPECIFIC GRAVITY: 1.07 – 1.08

SOLUBILITY: Disperses in water
pH: 4.8 – 5.4
VAPOR PRESSURE: Not available
% VOLATILES/VOLUME: Not available

10. STABILITY AND REACTIVITY DATA

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

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION: BREVA, 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: BREVA, 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	PACKING GROUP:	Not applicable
TDG CLASSIFICATION:	Not regulated	SPECIAL SHIPPING INSTRUCTION:	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.

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