

MATERIAL SAFETY DATA SHEET

Issued March 20, 2009

BIOPROTEC™ CAF

AQUEOUS BIOLOGICAL INSECTICIDE

REGISTRATION NO: 26854
PEST CONTROL PRODUCTS ACT

MANUFACTURER

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EMERGENCY TELEPHONE NUMBERS

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PRODUCT INFORMATION

NAME: Bioprotec CAF
ACTIVE INGREDIENT: *Bacillus thuringiensis*
subspecies *kurstaki*
USE: Biological insecticide
CAS NUMBER: 68038-71-1
CAS NAME: *Bacillus thuringiensis*
FORMULA: Not applicable

PHYSICAL PROPERTIES

APPEARANCE: Light brown liquid suspension
ODOUR: Slight acidic odour
MELTING POINT: Not applicable
BOILING POINT: 100°C
SPECIFIC GRAVITY: 1.10 – 1.15
SOLUBILITY: Disperses in water
pH: 4.5 – 4.9
VAPOR PRESSURE: Not available
% VOLATILES/VOLUME: Not available

FIRE OR EXPLOSION HAZARD

FLASH POINT: Not applicable
FLAMMABLE LIMITS IN AIR
% BY VOLUME: Not available
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 PRODUCTS: None known

REACTIVITY

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

TRANSPORT INFORMATION

UN NUMBER: Not applicable
TDG CLASSIFICATION: Not regulated
PACKING GROUP: Not applicable
SPECIAL SHIPPING INSTRUCTION: Not applicable

STORAGE

Store in a cool area at temperatures between 5°C and 15°C; long exposure to higher temperatures may reduce product activity.

HANDLING

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 needed.

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.

VENTILATION:

Local exhaust as necessary.

SPILL OR LEAK PROCEDURES

Bioprotec CAF, an aqueous concentrate, is biodegradable and is not harmful to the environment, animals, fish, birds, aquatic invertebrates and non-targeted insects. 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.

DISPOSAL

Dispose of product containers and waste product in accordance with provincial regulations.

HEALTH HAZARD INFORMATION

EMERGENCY OVERVIEW:

This material is a biological insecticide. Acute exposure may result in mild, transient ocular or dermal irritation.

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

CARCINOGENICITY:

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

FIRST AID MEASURES

SWALLOWING: Rinse mouth and throat with copious amounts of water. If signs of irritation or toxicity occur, seek medical attention.

SKIN: Wash with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention.

INHALATION: Remove from exposure. If signs of toxicity occur, seek medical attention.

EYES: Flush with copious amounts of water. If irritation persists, seek medical attention.

Notes to Physician

There is no specific antidote if this product is ingested. Treat symptomatically.

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 with respect to the information contained herein.

