



SAFETY DATA SHEET

Trade name: Greenstep II Caterpillar Control

Product No: 64407, 1835

Print date: 11/19/19

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Greenstep Caterpillar II Control **Product Number:** 64407, 1835

Trade Name: Greenstep Caterpillar II Control

EPA Reg Number: 70051-113-56872

Sub Registrant:

Gardens Alive
230 Mary Ave.
Greendale IN 47025

Emergency Phone Numbers: (513) 354-1483

Emergency Phone Numbers: 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

EPA Signal Word: Caution

Hazard Classification: Not classified as hazardous by OSHA

Hazard Statements: None

Pictogram: None

Precautionary Statements: Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling.

Other Hazards: None identified

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient	CAS#	% w:w
<i>B. thuringiensis kurstaki</i>	680380-71-1	9.83
Strain SA-12		



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SECTION 4: FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest hospital or the nearest Poison Control Center. Tell the person contacted the complete product name and the type and amount of exposure. Describe the symptoms and follow the advice given.

Eyes: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.

Ingestion: If victim is fully conscious, give a large quantity of water to drink and induce vomiting. Never give anything by mouth to an unconscious person.

Skin: Wash with plenty of soap and water including hair and under fingernails. Do not apply medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Note to physician: There is no specific antidote if this product is ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media: Use dry chemical, foam, or CO2 extinguishing media.

**Special Firefighting Procedures
And Precautions:** Firefighters should wear full protective gear

**Unusual Fire and Explosion
Information:** None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved chemical cartridge pesticide respirator with organic vapor pre-cartridges or a supplied-air respirator. For small spills, cover with an absorbent material such as pet litter. Sweep up, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

Other Precautions: None



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SECTION 7: HANDLING AND STORAGE

Waste Disposal Method: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.
If empty, place in trash or offer for recycling, if available.
Nonrefillable container. Do not reuse or refill this container.

Handling and Storage: Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OSHA Permissible Exposure Limits (PELs): Not determined

ACGIH Threshold Limit Values: Not determined

Other Exposure Limits: Not determined

Respiratory Protection: Not normally required. However, when needed to sensitive individual, wear a dust/mist filtering face mask or a respirator.

Protective Gloves: wear rubber gloves,

Eye Protection: wear safety glasses with side shields or chemical goggles.

Other protective clothing: long-sleeved shirt, long pants

Work/Hygiene Practices: Practice normal personal hygiene.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Tan liquid
Odor:	Slight fish odor
Odor Threshold:	Not determined
pH:	4.8-5.2
Melting Point:	Not Applicable
Initial Boiling Point:	212°F
Boiling Range:	Not applicable
Flash Point:	Not determined



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Evaporation Rate:	Not determined
Flammability (solid, gas):	Not applicable
Lower & Upper Flammability Limits:	Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Density:	1.01
Solubility:	Not applicable
Partition Coefficient (n-octanol/water):	Not applicable
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined
Explosive Properties:	None
Oxidising Properties:	Not determined

Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive
Chemical stability:	Stable
Possibility of hazardous reactions:	None known
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	None known
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies

Ingestion:	slightly toxic	
	Oral LD50 (Rat) :	> 7.2E+10 CFU/kg
Dermal:	slightly toxic	
	Dermal LD50 (Guinea Pig) :	> 1.8E+07 CFU/kg
Inhalation:	slightly toxic	
	Inhalation LC50 (Mouse) :	>3.3E+9 CFU/Liter
Eye Contact:	non-irritating (Rabbit)	
Skin Contact:	slightly irritating (Rabbit)	
Skin Sensitization:	Not Available	



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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Test Species	Test Method	Test Substance	LC ₅₀
Northern bobwhite	5 day	similar Btk strain	LC ₅₀ > 3.86x10 ⁹ CFU/kg body weight
Oncorhynchus Mykiss	30 day	similar Btk strain	LC ₅₀ > 1x 10 ⁸ CFU/ml
Daphnia Magna	48 hour static	similar Btk Strain	EC ₅₀ > 1x10 ⁸ CFU/ml
Apis mellifera L	10 day	Btk strain SA-12 (active ingredient strain)	Not active on honey bees

Persistence and degradability:

Bacillus thuringiensis subspecies Kurstaki (Btk) shows a rapid loss of activity in response to UV light.

Bioaccumulative potential:

Btk is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae.

Mobility in soil:

Low based on scientific data for Btk

Other adverse effects:

No data available

SECTION 13: DISPOSAL CONSIDERATION

Waste Treatment Methods

Pesticide Storage: Store in a cool place. Activity may be impaired by storage at temperatures above 90°F.

Pesticide Disposal and container handling: Non-refillable container. Do not reuse or refill this container.

-for containers less than or equal to 5 gallons-

If empty: Place in trash or offer for recycling.

If partly full: Call your local solid waste agency for disposal instructions. Never Place any unused product down any indoor or outdoor drain.



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-for containers greater than 5 gallons-

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Then offer to recycling, if available, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not regulated
Transport Hazard class(es): Non-Hazardous. Not regulated.
Environmental Hazards): Non-Hazardous. Not regulated.
Packing Group: Not regulated.
Hazard Label(s): Non-Hazardous. Not regulated.
UN Proper Shipping Name(s): Not regulated.
Special Precautions for Users: Not regulated

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated

SECTION 15: REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture

EPA: This product is a pesticide registered by the United States Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticidal chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION; KEEP OUT OF REACH OF CHILDREN

Causes moderate eye irritation.

OSHA: N/A
TSCA Status: Exempt
CERCLA Reportable Quantity: N/A
SARA Title III:



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Section 302: N/A

Section 311/312: N/A

Section 3113: N/A

RCRA Status: N/A

SECTION 16: OTHER INFORMATION

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the manufacturer's knowledge and belief, accurate and reliable as of the date of the preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the manufacturer shall not be liable for any loss or damage arising out of the use thereof. In addition, the manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

NOTICE: How this product is used is very important and beyond the control of the seller. The buyer assumes all risks for any use beyond those described on the label or for any use under abnormal conditions.