



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Natural Guard Brand by Ferti-lome Caterpillar Killer Spray with Bt Ready to Use

SECTION 1: Identification

Product identifier

Product name Natural Guard Brand by Ferti-lome Caterpillar Killer Spray with Bt Ready to Use

Product number 40427

Other means of identification

EPA# 70051-65-7401

Supplier's details

Name Voluntary Purchasing Groups, Inc.
Address 230 FM 87
Bonham, TX 75418
USA

Telephone 855-270-4776

Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

General hazard statement

Caution

Classification of the substance or mixture

GHS label elements, including precautionary statements

Hazard statement(s)

H320 Causes eye irritation
H313 May be harmful in contact with skin
H333 May be harmful if inhaled

Precautionary statement(s)

P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P273

Avoid release to the environment.

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Bacillus thuringiensis subsp. kurstaki strain SA-12 solids, spores and Lepidopteran active toxins (CAS no.: 68038-71-1)	10 - 20 %

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

Personal protective equipment for first-aid responders

Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts.
Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.
Protective Gloves: PVC or Neoprene.
Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979)
Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact.
Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

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Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical

None known

Special protective actions for fire-fighters

Use extinguishing media appropriate for surrounding fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing vapors or spraymist. Wash thoroughly with soap and water after handling.

Environmental precautions

To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

Methods and materials for containment and cleaning up

For small spills soak up with pet litter or similar absorbent material place into a sealed container and dispose of according to Federal State and local law.

SECTION 7: Handling and storage

Precautions for safe handling

Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing vapors or spraymist. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in a cool dry place. Activity may be impaired by storage at temperatures above 90°F.

Specific end use(s)

Rinsing application equipment over the treatment area will help avoid run off to water bodies or drainage systems.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Local exhaust and general ventilation must be adequate to meet exposure standards. Ensure all national/local regulations are observed.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety goggles

Skin protection

Wear suitable protective clothing.

Body protection

Wear suitable protective clothing.

Respiratory protection

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If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Brown Liquid
Odor	Yeasty
Odor threshold	
pH	4.8-5.2
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Toxicological information on the substance or mixture:

LD50 (oral) - No toxicity or infectivity, Toxicity Category IV

LD50 (dermal) - No toxicity observed, Toxicity Category IV

LC50 (inhalation) - No toxicity or infectivity, Toxicity Category IV

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Skin corrosion/irritation

Slightly irritating

Serious eye damage/irritation

Mildly irritating

SECTION 12: Ecological information

Toxicity

Test species-Test method-Test substance-LC50

Northern Bobwhite-5 day-Similar Btk strain (AI)-LC50 > 3.86 x 10⁹CFU/kg body weight

Oncorhynchus mykiss-30-day-Similar Btk strain (AI)-LC50 > 1 x 10⁸ CFU/mL

Daphnia magna-48 hour, static-Similar Btk strain (AI)-EC50 > 1 x 10⁸ 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

SECTION 13: Disposal considerations

Disposal of the product

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

Disposal of contaminated packaging

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 available.

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

- 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 equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Then offer for 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

DOT (US)

Not regulated

IMDG

Not regulated

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IATA

Not regulated

SECTION 15: Regulatory information

Chemical Safety Assessment

EPA: This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling 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:

Section 302: N/A Section 311/312: N/A

SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.