



SAFETY DATA SHEET

Issue Date: April 17, 2019

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name: Monterey B.t.
EPA Registration Number: 70051-106-54705
Product Type: Liquid Concentrate Biological Insecticide
Active Ingredient: *Bacillus thuringiensis* subspecies *kurstaki* strain SA-12
CAS No.: Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Biological Insecticide
Uses advised against: Any use not listed on the label.

1.3 Details of the Supplier of the Safety Data Sheet

Distributed by:
Lawn and Garden Products, Inc.
PO Box 35000
Fresno, CA 93745
Phone – (559) 499-2100
info@montereylawnngarden.com

1.4 Emergency Phone Number (24 Hour): For Medical Emergencies, call ChemTel, Inc.: (800) 255-3924
For Transportation Emergencies, call CHEMTREC®: (800) 424-9300

2. Hazards Identification

2.1 Classification of the substance or mixture

Hazard Classification: Not classified as hazardous.
Signal Word: None
Hazard Statements: None
Pictogram: None
Precautionary Statements: Refer to section 15 for label precautionary statements.

2.2 Other hazards: None known.

3. Composition/Information on Ingredients

3.1 Substance

Ingredient Name	CAS No	Weight-%
<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i> technical liquid	68038-71-1	98.35

4. First Aid Measures

4.1 Description of first aid measures:

Generic measures: Have the product container or label with you when you are calling the poison control center or doctor or going for treatment.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, if present, and continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes, Call a poison control center or doctor for further treatment advice.

4.2 Most important symptoms and effects, both acute and delayed

Skin/eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None specified

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: All extinguishing media.

Unsuitable extinguishing media: None known.

5.2 Special Hazards arising from the substance or mixture

Hazardous combustion products: None known.

5.3 Advice for firefighters

Protection of Firefighters: None specified

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: None specified

For emergency responders: None specified

6.2 Environmental precautions:

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help void run off to water bodies or drainage systems.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

See Section 8 for occupational exposure limits and risk management measures Refer to Section 13 for disposal considerations.

7. Handling and storage

7.1 Precautions for safe handling

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

7.2 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.

7.3 Specific end use(s)

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

8. Exposure controls/personal protection

8.1 Control parameters

OSHA Permissible Exposure Limits (PELs):	Not determined
ACGIH Threshold Limit Values:	Not determined
Other Exposure Limits:	Not determined

8.2 Exposure controls

Engineering controls	None specified
Personal protective equipment	
Eye/Face protection:	None specified
Skin protection:	None specified
Hand protection:	None specified
Body protection:	None specified
Respiratory protection:	None specified
Thermal hazards:	None known
General hygiene considerations:	Wash thoroughly with soap and water after handling.
Environmental exposure controls:	To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Brown liquid
Odor:	Yeasty
Odor threshold:	Not determined
pH: 1% dilution	4.4-5.5
Melting point/freezing point:	Not determined
Initial boiling point:	Not determined
Boiling range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not applicable
Lower & Upper flammability limits:	Not applicable
Vapor pressure:	Not determined
Vapor density	Not determined
Density:	8.4 lb./gal.
Solubility:	Not determined
Partition coefficient; n-Octanol/ Water:	Not determined
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	None known
Oxidizing properties:	None known

9.2 Other Information: Not available

10. Stability and reactivity

10.1 Reactivity	Not available
10.2 Chemical stability	Not available
10.3 Possibility of hazardous reactions	Not available
10.4 Conditions to avoid	Activity may be impaired by storage at temperatures > 90°C
10.5 Incompatible materials	Not available
10.6 Hazardous decomposition products	Not available

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Likely routes of exposure: Eyes, skin

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
Skin corrosion/irritation:	Slightly irritating
Eye irritation:	Mildly irritating
Respiratory or skin sensitization:	Not required

Other information on adverse health effects:

Carcinogenicity:

NTP Listed:	Not applicable
IARC Listed:	Not applicable
OSHA:	Not applicable

11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

12. Ecological Information

12.1 Toxicity

Test species	Test method	Test substance	LC ₅₀
Northern Bobwhite	5 day	Similar Btk strain (AI)	>3.86 x 10 ⁹ CFU/kg body weight
<i>Oncorhynchus mykiss</i>	30 ay	Similar Btk strain (AI)	>1 x 10 ⁸ CFU/mL
<i>Daphnia magna</i>	48-hour, static	Similar Btk strain (AI)	EC50 > 1 x 10 ⁸ CFU/mL
<i>Apis mellifera</i> L	10 day	Btk strain SA-12 (AI strain)	Not active on honey bees

12.2 Persistence and degradability

Bacillus thuringiensis subspecies *kurstaki* (Btk) shows a rapid loss of activity I response to UV light.

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

Low, based on scientific data for Btk.

12.5 Other adverse effects

No data available.

13. Disposal Considerations

13.1 Waste treatment methods

Disposal instructions:

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

14. Transportation Information

- 14.1 UN number** Not regulated
- 14.2 UN proper shipping name** Not regulated
- 14.3 Transport hazard class(es)** Not regulated.
- 14.4 Packing Group** Not regulated
- 14.5 Environmental hazards** Not regulated
- 14.6 Special precautions for user** Not regulated
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not regulated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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. 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.

Avoid breathing vapors or spray mists.

OSHA: NA

TSCA Status: Exempt

CERCLA Reportable Quantity: N/A

SARA Title III:

Section 302: N/A

Section 311/312: N/A

Section 313: N/A

RCRA Status: N/A

16. Other Information

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, Lawn and Garden Products does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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Revision Note:

Periodic update.