



# 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@montereylawngarden.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**

<b>OSHA Permissible Exposure Limits (PELs):</b>	Not determined
<b>ACGIH Threshold Limit Values:</b>	Not determined
<b>Other Exposure Limits:</b>	Not determined

## **8.2 Exposure controls**

<b>Engineering controls</b>	None specified
<b>Personal protective equipment</b>	
<b>Eye/Face protection:</b>	None specified
<b>Skin protection:</b>	None specified
<b>Hand protection:</b>	None specified
<b>Body protection:</b>	None specified
<b>Respiratory protection:</b>	None specified
<b>Thermal hazards:</b>	None known
<b>General hygiene considerations:</b>	Wash thoroughly with soap and water after handling.
<b>Environmental exposure controls:</b>	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:**

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

**9.2 Other Information:** Not available

## 10. Stability and reactivity

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

<b>LD<sub>50</sub> (oral):</b>	No toxicity or infectivity, Toxicity Category IV
<b>LD<sub>50</sub> (dermal):</b>	No toxicity observed, Toxicity Category IV
<b>LC<sub>50</sub> (inhalation):</b>	No toxicity or infectivity, Toxicity Category IV
<b>Skin corrosion/irritation:</b>	Slightly irritating
<b>Eye irritation:</b>	Mildly irritating
<b>Respiratory or skin sensitization:</b>	Not required

#### Other information on adverse health effects:

#### Carcinogenicity:

<b>NTP Listed:</b>	Not applicable
<b>IARC Listed:</b>	Not applicable
<b>OSHA:</b>	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 <sub>50</sub>
Northern Bobwhite	5 day	Similar Btk strain (AI)	>3.86 x 10 <sup>9</sup> CFU/kg body weight
<i>Oncorhynchus mykiss</i>	30 ay	Similar Btk strain (AI)	>1 x 10 <sup>8</sup> CFU/mL
<i>Daphnia magna</i>	48-hour, static	Similar Btk strain (AI)	EC50 > 1 x 10 <sup>8</sup> 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.

<b><u>OSHA:</u></b>	NA
<b><u>TSCA Status:</u></b>	Exempt
<b><u>CERCLA Reportable Quantity:</u></b>	N/A
<b><u>SARA Title III:</u></b>	
<b><u>Section 302:</u></b>	N/A
<b><u>Section 311/312:</u></b>	N/A
<b><u>Section 313:</u></b>	N/A
<b><u>RCRA Status:</u></b>	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 Date:**

April 17, 2019 (Certis- September 24, 2019)

**Revision Note:**

Periodic update.