



SAFETY DATA SHEET

Issue Date: April 22, 2015

Version: GHS

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

1.1 Product Identifier

Product Name: Monterey B.t. RTU (Ready-To-Use)
EPA Registration Number: 70051-113-54705
Product Type: Liquid Bioinsecticide
Active Ingredient: *Bacillus thuringiensis* subspecies *kurstaki* strain SA-12
CAS No.: 68038-71-1

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

Identified uses: Bioinsecticide for control of lepidopteran insects
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): CHEMTREC®: (800) 424-9300

2. Hazards Identification

2.1 Classification of the substance or mixture

Hazard Classification: Not classified as hazardous by OSHA
EPA Signal Word: Caution (refer to Section 15)
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.

2.2 Other hazards: None identified.

3. Composition/Information on Ingredients

3.1 Substance

Ingredient Name	CAS No	Weight-%
<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i> technical liquid	68036-71-1	9.83

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.

Eye contact: 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.

4.2 Most important symptoms and effects, both acute and delayed

None specified

4.3 Indication of any immediate medical attention and special treatment needed

None specified

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: None specified.

Unsuitable extinguishing media: None specified.

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.

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.

Methods for cleaning up: None specified

Other information: None

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. Applying this product in calm weather when no rain is predicted for the next 24 hours will help ensure that wind or rain will not blow or wash pesticide off the treatment area. Rinsing application equipment over the treatment area will help avoid run off to water bodies or drainage systems.

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 reactive
10.2 Chemical stability Stable
10.3 Possibility of hazardous reactions None known
10.4 Conditions to avoid None known
10.5 Incompatible materials None known
10.6 Hazardous decomposition products None known

11. Toxicological Information

11.1 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
Skin corrosion/irritation: Slightly irritating
Eye irritation: Mildly irritating
Respiratory or skin sensitization: Not required

Other information on adverse health effects:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

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 day	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 in 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
12.5 Other adverse effects

Low, based on scientific data for Btk.
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.

<u>OSHA:</u>	NA
<u>TSCA Status:</u>	Exempt
<u>CERCLA Reportable Quantity:</u>	N/A
<u>SARA Title III:</u>	
<u>Section 302:</u>	N/A
<u>Section 311/312:</u>	N/A
<u>Section 313:</u>	N/A
<u>RCRA Status:</u>	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:
New SDS – GHS Classification