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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacillus thuringiensis subspecies kurstaki technical liquid</td>
<td>68038-71-1</td>
<td>98.35</td>
</tr>
</tbody>
</table>
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 90ºF.

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Permissible Exposure Limits (PELs)</td>
<td>Not determined</td>
</tr>
<tr>
<td>ACGIH Threshold Limit Values</td>
<td>Not determined</td>
</tr>
<tr>
<td>Other Exposure Limits</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

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

---

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

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

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 impaored 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

<table>
<thead>
<tr>
<th>Test species</th>
<th>Test method</th>
<th>Test substance</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Bobwhite</td>
<td>5 day</td>
<td>Similar Btk strain (AI)</td>
<td>&gt;3.86 x 10⁸ CFU/kg body weight</td>
</tr>
<tr>
<td>Oncorhynchus mykiss</td>
<td>30 day</td>
<td>Similar Btk strain (AI)</td>
<td>&gt;1 x 10⁸ CFU/mL</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>48-hour, static</td>
<td>Similar Btk strain (AI)</td>
<td>EC50 &gt; 1 x 10⁸ CFU/mL</td>
</tr>
<tr>
<td>Apis mellifera L</td>
<td>10 day</td>
<td>Btk strain SA-12 (AI strain)</td>
<td>Not active on honey bees</td>
</tr>
</tbody>
</table>

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
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 wish soap and water after handing 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.