BITHOR SC

Emergency Phone: 1-800-424-9300 (Chemtrec)

1. PRODUCT AND COMPANY IDENTIFICATION

- Chemical Name: Bithor Technical
- CAS Registry Number: 82657-04-3
- Mfg. No.: 300054

2. COMPOSITION / ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Family</th>
<th>Chemical Name</th>
<th>Concentration</th>
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<tbody>
<tr>
<td>Ind. Deltoidal</td>
<td>Bifenthrin</td>
<td>4.0%</td>
</tr>
<tr>
<td>Ind. Deltoidal</td>
<td>Imidacloprid</td>
<td>5.0%</td>
</tr>
</tbody>
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3. HAZARD IDENTIFICATION

- Exposure routes: inhalation, dermal
-Use caution when handling as it may be highly toxic.

4. first aID

- Inhalation: If exposed, get to fresh air.
- Eye: Rinse eyes with plenty of water for 15 minutes. Get medical treatment.
- Skin: Rinse with plenty of water for 15 minutes. Get medical treatment.
- Ingestion: If swallowed, do not induce vomiting. Call a doctor.

5. REACTIVITY

- Stable under recommended storage conditions.

6. STABILITY AND REACTIVITY

- Stable under normal storage conditions.

7. HANDLING AND STORAGE

- Store in a cool, dry place and in such a manner as to prevent cross contamination with other chemicals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Use respirators, protective clothing, and personal protective equipment (PPE) as prescribed in Section 8, “Exposure Controls/Personal Protection.”

9. FIRE FIGHTING PROCEDURES

- Extinguishing Media: Use water spray, sand, soda ash, or dry chemical.

10. FRESH MEASURES

- Skin: Rinse skin with plenty of water for 15 minutes. Get medical treatment.

11. TOXICOLOGICAL INFORMATION

- Acute Oral LC50: 110 mg/kg
- Acute Oral LD50: 810 mg/kg
- Acute Inhhalation LC50: 2.0 mg/L

12. TRANSPORT INFORMATION

- IBC: 1050
- UN: 3087

13. REGULATORY INFORMATION

- CERCLA REPORTABLE QUANTITY: No component listed

14. TRANSPORT INFORMATION

- IBC: 1050
- UN: 3087

15. OTHER INFORMATION

- Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA): 50 CFR 158
- California Pesticide Consumer Protection Act (PCPA): 33410
- California Environmental Quality Act (CEQA): 1971-1972
- Canadian Environmental Protection Act (CEPA): 1999

16. DIRECTIONS FOR USE

- For full and systemic control of insect pests of turfgrass, landscape ornamentals, shrubs and trees in and around houses, lakeshores, parks and playgrounds.
- Use as directed on label.

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maximum label rate is not exceeded. Do not exceed the maximum label rate by applying
square feet or 4.5 pints per acre are permitted at the discretion of the applicator to control any
maximum residual control is needed. However, applications of up to 1.65 fluid ounce per 1000
specific pests within this range are given below. Use the higher application rates when
Turf Pest Application Use Rates

- Culex pipiens: Pests of birds, mammals, and humans. Application to control Culex
  pipiens needs to be made when the last egg mass is present.

- Cutworms: Egeria stem borer, Saugatuck grasshopper, Schoolcraft grasshopper, Sullivant
  grasshopper, Teton grasshopper. Application may be necessary prior to the first invasion of
  cutworms during the early spring. Applications, made as late in the day as possible, should be
  applied before the sun has had time to heat up the ground sufficiently to develop the activity of
  cutworms. High application rates may be required to achieve effective control, particularly in
  the middle of the summer when both nymphs and adults are occurring.

- Fleas: Aegopis, Amblyomma, Argas, Ceratophyllus, Dermanyssus, Haemaphysalis, Larus,
  Pulex, Rhipicephalus, Sarcoptes, Tyrophagus. Application should be made when adults first
  appear in the spring or when there is a noticeable increase in the pest population due to
  overcrowding or reproduction.

- Grasshoppers: Acrididae, Blaberidae, Brachyptera, Dermaptera, Ensifera, Gryllidae, Gryllus,
  Heteroptera, Idiopsida. Application may be necessary to control grasshoppers that have
  migrated into the area from surrounding areas.

- Leafhoppers: Cicadellidae, Cicadidae, Cercopidae, and Planthoppers. Application may be
  necessary to control leafhoppers that have migrated into the area from surrounding areas.

- Mealybugs: Pseudococcidae, Psyllidae, Psyllids. Application may be necessary to control
  mealybugs that have migrated into the area from surrounding areas.

- Millipedes, Pillbugs, Sod webworms, Sowbugs: Application may be necessary to control
  millipedes, pillbugs, sod webworms, and sowbugs that have migrated into the area from
  surrounding areas.

- Moths, twig borers, wasps: Application may be necessary to control moths, twig borers,
  and wasps that have migrated into the area from surrounding areas.

- Oranic Pests Controlled by Broadcast Application

- Adelgids, aphids, Japanese beetles, lacebugs, leafbeetles (including elm and
  walnut leaf beetles): Application may be necessary to control adelgids, aphids, Japanese
  beetles, lacebugs, and leafbeetles that have migrated into the area from surrounding areas.

- Psyllids, sawfly larvae, thrips: Application may be necessary to control psyllids, sawfly
  larvae, and thrips that have migrated into the area from surrounding areas.

- Treehoppers, whiteflies: Application may be necessary to control treehoppers and
  whiteflies that have migrated into the area from surrounding areas.

- Foliar Application Use Rates

- Garden spider mite: Euscelis, Tetranychus. Application may be necessary to control garden
  spider mites that have migrated into the area from surrounding areas.

- Tomato spider mite: Eriophyes, Tetranychus. Application may be necessary to control
  tomato spider mites that have migrated into the area from surrounding areas.

- Rose mite: Eriophyes, Tetranychus. Application may be necessary to control rose mites
  that have migrated into the area from surrounding areas.

- Barley yellow dwarf mite: Eriophyes, Tetranychus. Application may be necessary to control
  barley yellow dwarf mites that have migrated into the area from surrounding areas.

- Broadleaf Application

- Non-bearing fruit and nut trees: Application may be necessary to control pests on
  non-bearing fruit and nut trees that have migrated into the area from surrounding areas.

- Ornamental Pests Controlled by Broadcast Application

- Adelgids: Application may be necessary to control adelgids that have migrated into the area
  from surrounding areas.

- Aphids: Application may be necessary to control aphids that have migrated into the area
  from surrounding areas.

- Japanese beetles: Application may be necessary to control Japanese beetles that have
  migrated into the area from surrounding areas.

- Lacebugs: Application may be necessary to control lacebugs that have migrated into the area
  from surrounding areas.

- Leaf beetles: Application may be necessary to control leaf beetles that have migrated into the area
  from surrounding areas.

- Japanese beetle: Application may be necessary to control Japanese beetle that have migrated into the area
  from surrounding areas.

- Tomatoes and chives: Application may be necessary to control pests on tomatoes and chives that have
  migrated into the area from surrounding areas.

- Ornamental Pests Controlled by Soil Drench

- Adelgids: Application may be necessary to control adelgids that have migrated into the area
  from surrounding areas.

- Aphids: Application may be necessary to control aphids that have migrated into the area
  from surrounding areas.

- Japanese beetles: Application may be necessary to control Japanese beetles that have
  migrated into the area from surrounding areas.

- Lacebugs: Application may be necessary to control lacebugs that have migrated into the area
  from surrounding areas.

- Leaf beetles: Application may be necessary to control leaf beetles that have migrated into the area
  from surrounding areas.

- Japanese beetle: Application may be necessary to control Japanese beetle that have migrated into the area
  from surrounding areas.

- Tomatoes and chives: Application may be necessary to control pests on tomatoes and chives that have
  migrated into the area from surrounding areas.

- Soil Injection and Soil Drench for Ornamental Pests

- Use Rate Fluid ounces BITHOR SC per

- Ounces BITHOR SC to use = A X B

- Pints BITHOR SC to use = A X B

- Broadcast Application Use Rates

- Use Rate Fluid ounces BITHOR SC per

- Ounces BITHOR SC to use = A X B

- Soil Drench Use Rates

- Use Rate Fluid ounces BITHOR SC per

- Ounces BITHOR SC to use = A X B

- Soil Injection Use Rates

- Use Rate Fluid ounces BITHOR SC per

- Ounces BITHOR SC to use = A X B