Key attributes of this product include:

- Non-repellent active ingredient
- May be used in conjunction with non-repellent insecticides such as those containing dinotefuran (e.g., Alpine® Cockroach Gel Bait Rotation 1 Reservoir and Alpine® Cockroach Gel Bait Rotation 2 Reservoir) or similar products. Always follow label use directions and applicable laws.
- Ant control product
- Rotational partner for bed bug control
- For use on Stored Product Pests

KILLS:

- Ants (including Argentine, Carpenter, Harvester, Odorous House, Red Imported, and Southern Fire; excluding Pharaoh), Asian Lady Beetles, Bean Plataspid (Kudzu Bug), Bed Bugs, Beetles (including Confused Flour Beetle, Granary Weevil, Lesser Grain Borer, and Warehouse Beetle), Brown Marmorated Stink Bugs, Centipedes, Cockroaches (including American, German and Turkestan), Colembola, Crickets, Earwigs, Fleas, House Flies, Millipedes, Mosquitoes (Anopheles), Paper Wasps, Pillbugs, Sowbugs, Spiders (excluding Brown Recluse), Stored Product Pests (Confused Flour Beetle, Granary Weevil, Lesser Grain Borer, and Warehouse Beetle) and Yellowjackets

FOR USE IN AND AROUND:

- Animal Housing (including Calf Hutches, Calving Pens and Parlors, Chicken Houses, Dairy Areas, Dog Kennels, Hog Barns, Horse Barns, Milk Rooms and Rabbit Hutches); Apartments; Campgrounds; Cemeteries; Clinics; Food Handling Establishments; Garbage or Refuse Bins and Receptacles; Grain Mills; Granaries; Green Belts; Homes; Hospitals; Hotels; Mausoleums; Mobile Homes; Motels; Food Processing Plants; Nursing Homes; Resorts; Schools; Storage Buildings; Trailers; Transportation Equipment (including Autos, Buses, Boats, Ships, Trains, Trucks, Planes - cargo areas only); Utilities; Warehouses; Commercial, Industrial, and Residential Buildings; Theme Parks; Parks and Recreational Areas and Zoos

Active Ingredient:

Dinotefuran: N-methyl-N-[(tetrahydro-3-furanyl)methyl]guanidine .............................................................. 40.0%

Other Ingredients: .............................................................. 60.0%

Total: .............................................................. 100.0%

EPA Reg. No. 499-561

EPA Est. No. 67545-AZ-001

Net Weight: 1 pound, 1.64 ounces (500 grams)
**Environmental Hazards**

- **Precautionary Statements**
  - **Hazard to Humans and Domestic Animals**
    - **CAUTION**: Causes eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves (made out of any waterproof material, such as Natural Rubber, selection Category A).
  - **USER SAFETY RECOMMENDATIONS**
    - **Users should:**
      - Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
      - Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
      - Remove PPE immediately after handling this product. Wash the outside of gloves before removing.
    - **As soon as possible, wash thoroughly and change into clean clothing.**

- **Physical and Chemical Hazards**
  - **DO NOT** apply water-based sprays of this product to conduits, motor housing, junction and soil, tree injection, as well as foliar applications.
  - **DO NOT** apply within aircraft cabins.
  - **DO NOT** allow applications of product to drip or run from surfaces.
  - **DO NOT** apply to animals.
  - **DO NOT** apply to humans or their clothing or to mattresses.
  - **DO NOT** apply to classrooms when in use.
  - **DO NOT** apply to treatments where food or feed stuffs can be contaminated with this product.
  - **DO NOT** apply to bloom, pollen or nectar producing parts of plants if bees are foraging or for treatment.
  - **DO NOT** allow insecticide to drift onto animals. **DO NOT** contaminate milk, food or drinking water.

- **DO NOT** apply to blooming, pollen-shedding or nectar-producing parts of plants if bees are foraging or for treatment.

- **Physical and Chemical Hazards**
  - **DO NOT** apply water-based sprays of this product to conduits, motor housing, junction and switch boxes or other electrical equipment because of possible shock hazard. **DO NOT** spray where electrical short circuits might result, such as wall outlets, conduits, etc.

- **DO NOT** apply this product while bees are foraging. **DO NOT** apply this product to plants that are flowering. Only apply after all flower petals have fallen off.

- **Environmental Stewardship**
  - **Look for the bee hazard icon in the Directions For Use** for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.
  - **This product can kill bees and other insect pollinators.**
  - **Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.**
  - **Bees and other insect pollinators can be exposed to this pesticide from:**
    - **Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.**
    - **Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, sail, tree injection, as well as foliar applications.**
  - **When using this product take steps to:**
    - **Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.**
    - **Minimize drift of this product onto bees or to off-site pollinator attractive habitat.**
    - **Blow drift of this product onto bees or to off-site pollinator attractive habitat can result in bee kills.**

- **Physical and Chemical Hazards**
  - **DO NOT** apply water-based sprays of this product to conduits, motor housing, junction and switch boxes or other electrical equipment because of possible shock hazard. **DO NOT** spray where electrical short circuits might result, such as wall outlets, conduits, etc.

- **DO NOT** apply this product while bees are foraging. **DO NOT** apply this product to plants that are flowering. Only apply after all flower petals have fallen off.
**DO NOT** contaminate water, food, or feed by storage or disposal.

**Pesticide Storage**
Store in a cool, dry area away from heat or open flame.

**Pesticide Disposal**
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

**Container Handling**
Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container promptly after emptying; then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Triple rinse container as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**In Case of Emergency**
In case of large-scale spill of this product, call:
- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:
- Your local doctor for immediate treatment
- BASF Corporation 1-800-832-HELP (4357)

**STORAGE AND DISPOSAL**

**Mixing Instructions**
Thoroughly clean spray equipment before mixing and application of this product. Add approximately 1/2 of the water to the spray tank. Add 10 to 30 grams of product to water per 1,000 square foot area being treated (1 Tablespoon = 10 grams), then complete the filling of the spray tank. Agitate the tank until the product is completely dissolved. Reagitate finished dilution if application is interrupted for an extended period of time.

**Spray Dilution Chart**

<table>
<thead>
<tr>
<th>Desired Finished Dilution Concentration</th>
<th>Grams of Product to Make 1 Gallon of Finished Dilution to Treat Up to 1,000 Square Feet</th>
<th>Grams of Product to Make 2 Gallons of Finished Dilution to Treat Up to 5,000 Square Feet</th>
<th>Grams of Product to Make 25 Gallons of Finished Dilution to Treat Up to 25,000 Square Feet</th>
<th>Grams of Product to Make 50 Gallons of Finished Dilution to Treat Up to 50,000 Square Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1%</td>
<td>10</td>
<td>50</td>
<td>250</td>
<td>500</td>
</tr>
<tr>
<td>0.2%</td>
<td>20</td>
<td>100</td>
<td>500</td>
<td>1,000</td>
</tr>
<tr>
<td>0.3%</td>
<td>30</td>
<td>150</td>
<td>750</td>
<td>1,500</td>
</tr>
</tbody>
</table>

Refer to specific pest categories below for the proper use rate. One gallon of finished dilution treats 1,000 square feet. Depending on the surface, more or less water may be used to properly treat areas with a different application apparatus, but the proper amount of active ingredient should be used per square footage.

**Tank Mixing**
This product may be tank mixed with other water based insecticides including, but not limited to, insect growth regulators (IGR), quick knockdown products and residuals. Before mixing, test to see if products are compatible. When tank mixing, follow the more restrictive label use directions of the mixed products.

**Void/ Crack & Crevice® Application**
Apply into cracks, crevices and voids with equipment designed for such applications. Follow the manufacturer’s recommendations for proper equipment set-up and operating pressures. Place the tip of the applicator or at into the crack, crevice or void to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push the finished dilution into voids and/or cracks and crevices. Apply in such a manner to avoid dripping and runoff.

**Indoor Applications**
Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the SPRAY DILUTION CHART. Use one gallon of finished dilution per 1,000 square feet. Refer to INDOOR APPLICATIONS table for use rates and pests.

**SPRAY DILUTION CHART**

**TABLE**

<table>
<thead>
<tr>
<th>Pests</th>
<th>Finished Dilution (grams per gallon)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ants (excluding Pharaoh)</td>
<td>10</td>
</tr>
<tr>
<td>Bed Bugs</td>
<td>10 to 30</td>
</tr>
<tr>
<td>Crawling Insects/Pests</td>
<td>30</td>
</tr>
<tr>
<td>Crickets, Cockroaches</td>
<td>10 to 30</td>
</tr>
<tr>
<td>Fleas</td>
<td>10</td>
</tr>
</tbody>
</table>

**Application Instructions**

Make spot, Crack & Crevice and/or void applications where ants may be foraging and/or nesting, such as, around doors, window frames, under sinks, around pipes and in pipe voids, attic venting and other areas where ants may find access or nest.

Make spot, Crack & Crevice and/or void applications where evidence of bed bug infestation occurs or bed bugs are suspected, or likely to occur, such as bed frames; box springs; inside empty dressers, clothes closets and luggage; carpets; draperies; furniture; headboards; high and low wall moldings and wallpaper edges.

DO NOT apply to mattresses.

Make spot and/or Crack & Crevice applications into hiding places and entry points such as cracks and crevices, void areas, moist areas, openings around pipes and sinks, under refrigerators or vending machines, inter- orscapes, across lower doorway frames and window openings.

DO NOT treat pets with this product.

(continued)
INDOOR APPLICATIONS (continued)

Pests | Finished Dilution (grams per gallon)* | Application Instructions
--- | --- | ---
House Flies | 10 to 20 | Make spot applications on surfaces where flies frequently roost such as door and window frames, screens, trash cans, plants, interior orscapes, ceilings and upper wall surfaces. When a rate range is indicated, use the lower rate for maintenance applications and the higher rates for heavy infestations.

* Refer to SPRAY DILUTION CHART for concentration of active ingredient in finished product.

** Food/Feed Handling Establishments**

Food/Feed handling establishments are places other than private residences in which food is held, processed, prepared or served, including those operating under the Federal meat, poultry, shell egg grading and egg products inspection programs. APPLICATIONS OF THIS PRODUCT IN FOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS MAY BE MADE AS A CRACK & CREVICE, VOID, SPOT OR GENERAL TREATMENT. General surface application may be used only when the facility is not in operation provided exposed food/feed has been covered or removed from the area prior to application.

Non-food/feed areas include areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after packaging, canning or bottling). Avoid contamination of food/feed or food/feed contact surfaces. Remove or cover food/feed, dishes, utensils, food processing equipment and food preparation surfaces in the treatment area or wash utensils, dishes, walls and other surfaces that the product may contact (i.e. electrical wiring).

### Application Instructions

- **Carpenter Ants**
  - Finished Dilution: 10 to 20 grams per gallon
  - Application: Make spot applications to cracks, crevices, and/or void areas. Where possible, directly apply to ant nests or infested wood or trees.

### Indoor and Outdoor Applications

Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the SPRAY DILUTION CHART. Use one gallon of finished dilution per 1,000 square feet. Refer to INDOOR/OUTDOOR APPLICATIONS table for use rates and pests.

Indoor and Outdoor Applications

<table>
<thead>
<tr>
<th>Pests</th>
<th>Finished Dilution (grams per gallon)*</th>
<th>Application Instructions</th>
</tr>
</thead>
</table>
| Asian Lady Beetles and Centipedes | 10 to 30 | Make spot applications to cracks, crevices, and/or void areas. Where possible, directly apply to ant nests or infested wood or trees.
| Bean Platsaspid (Kurzu Bug), Brown Marmorated Stink Bugs | 30 | Make spot applications to cracks, crevices, and/or void areas. Where possible, directly apply to ant nests or infested wood or trees.

### Paper Wasps and Yellowjackets

- **Application:** Treat a yellowjacket or wasp nest, apply liberally to the nest and the surrounding area. For nests inside wall voids, inject an amount sufficient to treat the entire nest. Most applications should require about 0.5 gallon of diluted material. Pay attention to surfaces or items that the product may contact (i.e. electrical wiring).

**DO NOT** use where there is an electrical shock hazard.

**THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN.**

**Preventative Programs:** This product may be used as part of a preventative program or in anticipation of a pest problem associated with a structure or an event.
Outdoor Applications

Dilute to the proper concentration according to targeted pest infestation. Follow the mixing directions found in the SPRAY DILUTION CHART. Use one gallon of finished dilution per 1,000 square feet. Refer to OUTDOOR APPLICATIONS table for use rates and pests.

DO NOT apply this product, by any application method, to linden, basswood or other Tilia species in the State of Oregon.

In the state of New York, DO NOT apply outdoors except for Crack & Crevice® or spot treatments to structural components, stumps, utility poles, and fences.

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**OUTDOOR APPLICATIONS**

<table>
<thead>
<tr>
<th>Pests</th>
<th>Finished Dilution (grams per gallon)*</th>
<th>Application Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ants (excluding Pharaoh)</strong></td>
<td>10</td>
<td>Make spot and/or Crack &amp; Crevice applications to any foraging trails, nests or mounds where ants are present. Make spot and/or Crack &amp; Crevice applications to exterior areas where ants may enter a structure. Where possible, directly apply to ant nests or infested wood or trees. Curative broadcast applications can be made to yards, lawns, fields, parks, cemeteries, landscaping and structures. To help prevent infestations, make exterior structural and surrounding area applications according to this label.</td>
</tr>
<tr>
<td><strong>Exterior Structural and Surrounding Area Applications for Collembola (Springtails), Crickets and Millipedes</strong></td>
<td>10 to 30</td>
<td>Directly contacting pests, apply where pests rest, trail and harbor, such as structural and other voids (including voids associated with and around doors, windows, utility entry points, behind siding, weep holes and tree hollows), eaves of structures, around lights or other insect attractant areas, foliage, bushes, landscape materials, garbage receptacles, under trees and other shaded areas.</td>
</tr>
<tr>
<td><strong>Mosquitoes (Anopheles)</strong></td>
<td>20</td>
<td>Apply using handheld, backpack or truck mounted sprayers only. Not for use with truck mounted or handheld cold aerosol ULV sprayers, or thermal fogging devices. Use up to 50 gallons of diluted spray per 50,000 square feet. Apply to shrubbery, vegetation and other areas where mosquitoes may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated if applied as a wet spray. Direct application of this product to any body of water is prohibited. DO NOT apply by aircraft. Not approved for use on mosquitoes in the state of New York.</td>
</tr>
<tr>
<td><strong>Fleas</strong></td>
<td>10</td>
<td>Apply to yards, porches, patios or other areas of habitation for fleas, especially areas that pets frequent, directly contacting fleas. Pay particular attention to shaded areas with low protective covering such as under bushes, under decks, lawn furniture, lawn ornaments and other landscape materials. Apply to pet entry areas such as steps and stoops and other areas where pets rest or sit for extended periods of time, directly contacting fleas. DO NOT treat pets with this product.</td>
</tr>
<tr>
<td><strong>House Flies</strong></td>
<td>10 to 20</td>
<td>Apply to outside surfaces of screens, doors, window frames, porches, in garages, on foliage or wherever flies enter or congregate around or on the building, directly contacting flies. Application sites include inside and outside surfaces of dumpsters, other trash holding containers and surrounding surfaces, directly contacting flies.</td>
</tr>
<tr>
<td><strong>Mosquitoes</strong></td>
<td>20</td>
<td>Apply using handheld, backpack or truck mounted sprayers only. Not for use with truck mounted or handheld cold aerosol ULV sprayers, or thermal fogging devices. Use up to 50 gallons of diluted spray per 50,000 square feet. Apply to shrubbery, vegetation and other areas where mosquitoes may rest. Shrubbery and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated if applied as a wet spray. Direct application of this product to any body of water is prohibited. DO NOT apply by aircraft. Not approved for use on mosquitoes in the state of New York.</td>
</tr>
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</table>

When a rate range is indicated, use the lower rate for maintenance applications and the higher rates for heavy infestations.

* Refer to SPRAY DILUTION CHART for concentration of active ingredient in finished product.

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USE IN AND AROUND LIVESTOCK HOUSING

For structural use indoors and outdoors of animal housing. Remove animals or treat in areas where animals are not present. DO NOT apply to animals. DO NOT allow insecticide to drift onto animals. DO NOT contaminate milk, food or drinking water.

To kill house flies on outdoor surfaces and in animal housing including calf hutch, calving pens and parliors, chicken houses, dairy areas, dog kennels, horse barns, milk rooms and rabbit hutch: Treat normal fly resting areas such as ceilings, screens, upper corners of the area, around windows and doors, light fixtures and other areas known to attract flies. Apply as a coarse, wet spray. Using a mixture of 10 to 20 grams of product per gallon of water, apply at a rate of 1 gallon diluted product per 1,000 square feet of surface. For best results, initiate treatments at the beginning of the fly season and repeat during periods of heavy fly activity.
Conditions of Sale and Warranty

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as environmental conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION (“BASF”) or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) BASF MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER’S EXCLUSIVE REMEDY AND BASF’S AND SELLER’S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to these Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

Alpine and Crack & Crevice are registered trademarks of BASF.
Key attributes of this product include:

• Rotational partner for bed bug control
• Ant control product
• Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves

Environmental Hazards

This pesticide is toxic to aquatic invertebrates. DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in water adjacent to treated areas. DO NOT dispose equipment washwaters or rinsate into a natural drain or water body.

This product is toxic to honey bees. The residues of products and residual potential toxicity of dinofeturan in nectar and pollen suggests the possibility of chronic toxic risk to honey bee larvae and the eventual incredulity of the hive.

• This product is toxic to bees exposed to residues for more than 3 hours following treatment.
• DO NOT apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities. See attached booklet for full Environmental Hazards and Groundwater Advisory.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. This product contains Dinofeturan which is a systemic insecticide. DO NOT apply this product directly to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period, unless the application is made in response to a public health emergency declared by appropriate state or federal authorities.

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