



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Janice K. Sharp, Ph.D.  
Valent BioSciences Corp.  
870 Technology Way, Suite 100  
Libertyville, IL 60048

APR 14 2005

Dear Dr. Sharp:

Subject: Amendments - Add efficacy claims: and  
Revise Basic and Alternate Confidential Statements of Formula  
UltraTec HPC 2  
EPA Registration Number 73049-185  
Your submission dated October 18, 2004

The amendments referred to above, submitted in connection with registration under with registration under FIFRA section 3(c)(7)(a), are acceptable provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)5 or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the label changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Regarding the proposed 9 month residual claim against German cockroaches, the data cited are not adequate for the support of a 9 month residual claim because the product proved efficacious for 9 months only when applied to porous surfaces (eg., ceramic tile), but was efficacious against the test species for only 3 months when applied to porous surfaces. Therefore, the 9 month residual claim may be included, but only if is qualified by stating "on non--porous surfaces". In order to make an unqualified claim, you must submit or cite corroborative efficacy data showing 9 month residual activity of the subject formulation when applied to unfinished plywood sheeting.
  - b. Regarding the proposed 5 month residual claim against house flies, re-evaluation of the referenced data does support this claim and it is acceptable.
  - c. Regarding the proposed 4 month residual claim against stable flies, re-evaluation of the referenced data does support this claim and it is acceptable.

- d. Regarding the proposed 4 week residual claim against Carpenter Ants, the data cited are not adequate for the support of a 4 week residual claim because the product proved efficacious up to only 1 month when applied to non-porous surfaces (eg., vinyl tile), and there was no residual activity when applied to porous surfaces (eg., concrete block). Therefore, either delete the claim or add a qualified 4 week claim which must state "when applied to non-porous surfaces". In order to make an unqualified claim, you must submit or cite corroborative efficacy data showing 30 day residual activity of the subject formulation when applied to unfinished plywood sheeting.
- e. The inclusion of bulleted marketing claims for carpenter ant/bee control is acceptable, as these claims were previously approved (December 18, 2002) for inclusion on the subject label.
- f. Regarding the proposed 4 week residual claim and the controls claim against cat fleas, *Ctenocephalides felis*, these claims are not acceptable since they are not supported by the cited data, as reflected in the original review and letter to the previous registrant Aventis Environmental Science dated July 17, 2000 [the product then bearing EPA Reg. No. 73049-187]. The Kills claim against fleas without any residual claims may remain on the label. Pursuing the Controls claim against cat fleas or the residual claim will require submitting or citing other data to support these claims.
- g. Regarding the proposed 4 week residual claim against mosquitoes and the claim against mosquitoes that may carry West Nile Virus and Equine Encephalitis, these claims are not acceptable since they are not supported by the cited data. Please note that the referenced study provided data on only one species of mosquito, *Anopheles atroparvus* (the other "mosquito" species tested, *C. lectularius*, is in fact the bed bug). The claim for mosquitoes that may carry West Nile Virus and Equine Encephalitis will require citation of supporting data for at least two species of mosquito known to vector the diseases..
- h. Regarding the proposed claim of "Controls ticks that may carry Lyme disease, the submitted data do not support a Controls claim. The claim "Kills Ticks" or "Kills ticks that may transmit Lyme disease" may appear on the label.
- i. In the Directions For Use for Ticks, revise "Ticks (including Ticks That May Cause Lyme Disease)" to read "Ticks (including Ticks That May Transmit Lyme Disease)".
- j. Add the following precaution to the paragraph under the heading Outdoors: "Remove all exposed food and cooking utensils. Cover all food handling surfaces or wash thoroughly after treatment and before use. Do not use on edible crops."
- k. Revise the first sentence under the heading Crawling Insects to read: "Hold can two (2) to three (3) feet from surface to be treated and spray in infested surface of patio or picnic areas, hitting as many insects as possible. Spray to slightly moisten the surface."

Please submit four (4) copies of the revised amended label prior to release for shipment.

The revised Basic and Alternate Confidential Statements of Formula (Alternate CSFs #3 and #4) dated October 18, 2004 are acceptable and have been added to this product's registration file. The new Basic CSF supersedes all previous Basic CSFs for this product.

Sincerely,

George LaRocca.  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

# UltraTec® HPC 2

- [• For Indoor and Outdoor Use
- Ready-To-Use
- Water-Based
- Kills On Contact
- Kills Fast
- Long-Lasting
- Keeps Killing for up to 4 [8, 12, 16] Weeks
- Keeps Killing for up to 1 [2, 3, 4] Months
- Keeps Killing for up to 30 [60, 90, 120] Days
- Keeps Killing German Cockroaches for up to 9 Months [36 weeks]
- Keeps Killing Fleas for up to 4 Weeks [30 days, 1 month]
- Keeps Killing House Flies for up to 5 Months [20 weeks]
- Keeps Killing Mosquitoes for up to 4 Weeks [30 days, 1 month]
- Keeps Killing Carpenter Ants for up to 4 Weeks [30 days, 1 month]
- Controls Ticks that may carry Lyme Disease
- Controls Cat Fleas
- Keeps Killing Stable Flies for up to 4 Months [18 weeks]
- Odorless
- Non-Staining
- No Oily [Greasy] Residue
- For Use In and Around Horse Stables
- For Use On House Plants
- For Use On Ornamental Plants
- Kills Fleas & Ticks
- Kills Spiders, Centipedes and Scorpions
- Kills Roaches, Ants and Fleas on Contact
- Kills Aphids, Mealy Bugs, Lace Bugs, Thrips, Leafminers and Mites
- Kills Spider Mites
- Kills Japanese Beetles
- Plus Kills Ants, Fleas, Ticks, Crickets, Spiders, Flies & Other Listed Pests
- Also Controls: Carpenter Ants & Carpenter Bees
- Controls Mosquitoes that may cause West Nile Virus and Equine Encephalitis]

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
  
**APR 14 2005**  
**Under the Federal Insecticide,**  
**Fungicide, and Rodenticide Act,**  
**as amended, for the pesticide**  
**registered under EPA Reg. No.**  
**73049-185**

## ACTIVE INGREDIENT:

Deltamethrin ..... 0.02%

OTHER INGREDIENTS: ..... 99.98%

100.00%

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA Reg. No.: 73049-185

EPA Est. No.:

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See Side Panel for Additional Precautions

NET CONTENTS:

In case of medical emergencies or health and safety inquiries, or in case of fire, leaking or damaged containers, information may be obtained by calling 1-877-315-9819.

## PRECAUTIONARY STATEMENTS

### Hazards To Humans & Domestic Animals

#### CAUTION

Contact with product may result in transient tingling and reddening of the skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

#### Environmental Hazards

This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of washwater or rinsate. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### Physical or Chemical Hazards

Do not apply this product in or on electrical equipment due to possibility of shock hazard.

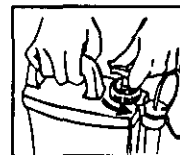
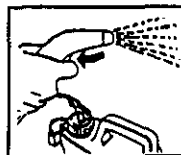
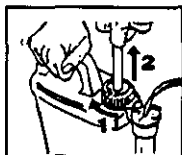
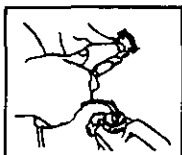
READ THE LABEL FIRST!

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**General Information:** Hold container upright. Do not spray up into air. Apply to surfaces only as a spot and crack & crevice treatment. [Turn sprayer nozzle to "on" position.] Hold approximately 12 inches from surface to be sprayed. Squeeze trigger to spray until surface is slightly moist but not to the point of runoff. Over application may cause damage. Test in an inconspicuous area before applying.

#### Alternate Packaging Instructions:



#### Prepare Sprayer:

- Remove sprayer.
- Point sprayer away from body and adjust nozzle.
- Turn T-handle clockwise to unlock
- Grasp bottle handle firmly.
- Pull up on T-handle

#### Spray:

- Squeeze trigger to spray.
- Pull up on T-handle, when spray stops.

#### After Use:

- Turn T-handle counter-clockwise to lock for storage.

Do not allow children or pets to contact treated surfaces until spray has dried.

UltraTec HPC 2 keeps on killing German cockroaches for up to 9 months after you spray; keeps on killing fleas & mosquitoes for up to 4 weeks [30 days, 1 month] after you spray; keeps on killing flies for up to 4 months [16 weeks, 120 days] after you spray.

UltraTec HPC 2 kills on contact and long-lasting action keeps on killing for up to [30, 60, 90, 120 days; 4, 8, 12, 16 weeks; 1, 2, 3, 4 months] after you spray. Contact kill give you immediate results when spraying insects directly, while residual activity kills insects when they return to treated areas.

UltraTec HPC 2 Insecticide is intended to be used in and around residences and their immediate surroundings such as (but not limited to): **apartments, atriums, attics, automobiles, basements, bathrooms, boats, cabins, campers, carports, cat sleeping quarters, clothes storage, condominiums, decks, dens, driveways, garages, gazebos, homes, kitchens, lanais, living rooms, parlors, patios, pet sleeping areas, play rooms, porches, recreational vehicles, rooms, solariums, storage areas, sun rooms, utility rooms and verandahs.** Do not use in commercial food handling establishments, restaurants or other places where food is commercially prepared or processed.

#### INDOORS:

**Cockroaches (Including Adult And Immature Stages Of Both Non-Resistant And Organophosphate And Carbamate Resistant Strains), Ants, Boxelder Bugs, Centipedes, Crickets, Dermestids, Firebrats, Fleas, Palmetto Bugs, Silverfish, Sowbugs, Ticks and Waterbugs:** Controls German cockroaches for up to 9 months. Apply as a spot and crack & crevice treatment to areas where these pests crawl and hide, especially in hidden areas around sinks and storage areas, behind baseboards, around doors and windows, behind and under refrigerators, cabinets, sinks and stoves, the underside of shelves, drawers, bookcases, and similar areas. For ticks, spray surfaces until moist. Cover all food handling surfaces and cover or remove all food and cooking utensils or wash thoroughly after treatment. Exposed food should be covered or removed. Repeat as necessary but not more than once per week.

[**Roaches:** Spray in cracks and crevices, around baseboards and other hiding places.]

**Ants:** Spray ant trails and around doors and windows and other places where ants enter the house.

**Carpenter Ants:** For effective control, locate and treat nests and surrounding areas. Apply around doors and windows and other places where ants enter premises and where they crawl and hide. Spray into infested wood through existing openings.

**Ticks (Including Ticks That May Cause Lyme Disease) and Fleas ON SURFACES:** Remove pet bedding and destroy or clean thoroughly. Spray pet resting quarters until moist. Adult fleas and larvae contacted by spray will be killed. Put fresh bedding down once spray has dried. Do not spray animals directly. For best results, pets should be treated with an appropriate flea and/or tick control product registered for use on pets before allowing them to return to the treated area. Spray rugs and carpets where infestations are bad. Delicate fabrics should be tested for staining in an inconspicuous area prior to use.

**Spiders:** Apply along and behind baseboards, to window and door frames, corners, pipes, storage localities, attics, crawl spaces and other areas over which these pests may crawl.

**Centipedes, Ground Beetles, Pillbugs, Sowbugs, Scorpions and Ticks:** Apply around doors and windows and other places where these pests may enter premises. For **Ticks**, spray surfaces until moist. Treat baseboards, storage areas and other locations where these pests are found.

[**Silverfish, Crickets, Spiders:** Apply to areas infested by these pests.]

**FLYING INSECTS: Houseflies, Gnats, Mosquitoes and Small Flying Moths:** Spray localized resting areas, such as under eaves, porches, inside surfaces of window and door frames, surfaces around light fixtures and cords, railings, etc. and anywhere these insects may rest. Insects coming to rest on treated surfaces will be killed.

[**Flying Insects:** Spray resting areas. Insects coming to rest on treated surfaces will be killed.]

**HORSE STABLES:** To Control **Stable Flies, Horn Flies, Houseflies, Face Flies, Horse Flies, Deer Flies, Mosquitoes and Gnats.** Apply thoroughly to surfaces until wet. Insects coming to rest on treated surfaces will be killed or repelled. Repeat treatment as necessary but not more than once per week. Do not spray animals or humans, or apply to animal feed or watering equipment. Controls stable flies for up to 4 months.

**PANTRY PESTS - Grain Beetles (*Rusty, Merchant* and *Saw-Toothed*), Flour Beetles (*Red* and *Confused*), Chocolate Moths, Cigarette Beetles, Clover Mites, Cluster Flies, Drugstore Beetles, Elmleaf Beetles, Rice Weevils, Lesser Grain Borers, Spider Beetles and Tobacco Moths:** Treat exposed stages. Remove all food-stuffs, utensils and shelf paper from area to be treated. Discard used shelf paper and any infested foodstuffs. Apply spray to shelves and in cracks and crevices behind and under cupboards and cabinets. Allow to dry prior to replacement of shelf paper, food and utensils. Wash any exposed food handling surfaces and utensils before use.

**Carpet Beetles (*Black, Furniture* and *Varied*):** Spray on and under edges of floor coverings, under rugs and furniture and in closets or other localities where these insects are found.

**Webbing Clothes Moths:** Use this product as a crack and crevice treatment in closets and other storage areas where these pests are found. This is an adjunct treatment and will not control moth larvae already on clothes. Do not apply to clothing.

**Bedbugs:** Remove linens and wash before reuse. Lightly spray mattresses, especially tufts, folds and edges. Apply to the interior of the frame. Allow to dry before remaking bed.

Also, treat your yard with a product registered for yard application.

#### **OUTDOORS:**

For outdoor use only as an aid in controlling these insects.

Point sprayer away from face. Hold sprayer on a slight downward angle, approximately 12 inches from surface to be sprayed. Spray with wind if breeze is blowing. Do not contaminate fish ponds or apply directly to water.

**PESTS ON OUTSIDE SURFACES OF BUILDINGS:** For control of building infestation to **Ants, Clover Mites, Crickets** and **Sowbugs (Pillbugs)**. Spray foundation of building where insects are active and may find entrance up to a height of 2 to 3 feet. Apply to outside surfaces of buildings where insects tend to congregate. Spray areas include (but are not limited to) screens, window frames, eaves, porches, patios, garages and refuse dumps. Repeat treatment as necessary but not more than once per week.

**CRAWLING INSECTS: Ants, Cockroaches (Including Asian Cockroaches), Centipedes, Crickets, Mole Crickets, Water Bugs and Silverfish.** Spray infested surface of patio or picnic area. Also spray legs of tables and chairs.

**Ants:** Spray freely around ant trails and hills. Spray around nests hidden under steps, brickwork, concrete, etc. Break apart accessible nests and spray freely on and around debris. Repeat as necessary but not more than once per week.

[**Ants:** Spray ant trails and hills. If nest can be located, spray surface of nest until wet.]

**Lone Star Ticks, Dog Ticks, Crickets and Fleas:** Apply thoroughly to infestation in bushes, grass or weeds.

**Wasps, Hornets, Yellow Jackets and Bees:** Spray nests and other surfaces where bees may rest. Aim spray at nest openings. Applications should be made late in the evening when insects are at rest.

**FLYING INSECTS: Houseflies, Gnats, Mosquitoes and Small Flying Moths:** Spray outside surfaces of window and door frames and other areas where these pests may enter the home. Also spray localized resting areas, such as under eaves, porches, surfaces around light fixtures and cords, railings, etc. where these insects may rest. Insects coming to rest on treated surfaces will be killed.

**Termites, Carpenter Ants and Carpenter Bees:** (for localized control only.) Apply UltraTec HPC 2 Insecticide to voids or channels in damaged wood of a structure, or to cracks, crevices and spaces in and

between wooden portions of a structure or between wood and the foundation, in locations vulnerable to attack such as crawl spaces.

For **Termites**, the purpose of such applications is to kill workers or winged forms which may be present in the treated areas at the time of application. Not recommended as sole protection against termites. For active infestations, get a professional inspection. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but are merely a supplement. For severe termite infestation, contact a professional pest control operator in your area.

**HOUSE PLANTS:** To control **Aphids, Japanese Beetles, Lace Bugs, Leafminers, Mealy Bugs, Mites** and **Spider Mites** on house plants. Prior to spraying, remove plants from living and eating areas. Put in an area not likely to come in contact with pets, children or food. Plants can be returned to original location when leaves dry. If plants cannot be moved, cover or remove exposed food and food handling surfaces. Avoid spraying surrounding areas.

Apply spray to upper and lower surfaces of foliage. Avoid wetting blossoms if possible. Repeat applications as necessary but not more than once per week.

**FOR CONTROL OF ORNAMENTAL GARDEN INSECTS:** For use on roses, dahlias, asters and other ornamentals to kill **Japanese Beetles** hit by spray, as well as **Whiteflies, Aphids, Army Worms, Lace Bugs, Mealy Bugs, Exposed Thrips, Pavement Ants, Spiders, Spider** and **Red Mites, Clover Mites** and **Leafminers**.

**Not for Use on Plants Grown for Sale or other Commercial Use**

May be used on plants, as well as a multi-purpose spray in small ornamental gardens and for spot treatments to prevent insects from spreading into large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, delphiniums, dogwood, English ivy, euonymus, fuschia, geraniums, crassula, grape vine, Kentia palm, laurel, marigolds, rhododendrons, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90°F. DO NOT apply to vegetable plants or other plants used for food. Spray insects directly whenever possible.

**STORAGE AND DISPOSAL**

**Storage:** Store in a cool, dry area away from [inaccessible to] children. [Do not transport or store below 32°F (0°C).] [Protect from freezing.] [Store above 32°F.] If freezing occurs, allow product to thaw and shake well before using [use]. [Some product separation may occur on freezing which is reversible on shaking.] Freezing does not adversely affect [this product] [performance].

**Container Disposal:** **If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.



**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Valent BioSciences Corporation. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** VALENT BIOSCIENCES CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Valent BioSciences Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. Valent BioSciences Corporation disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT VALENT BIOSCIENCES CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

©Valent BioSciences Corporation, 2003

UltraTec is a registered trademark of Valent BioSciences Corporation.

**Valent BioSciences Corporation**

***Environmental Science Division***

870 Technology Way  
Libertyville, IL 60048

Alternate front panel bullets:

- **Easy-To-Use**
- **No Drips - No Runs**
- **Stays Where You Put It**
- **Does Not Stain Surfaces**
- **Does Not Stain Fabrics**
- **Contains Deltamethrin – the third generation pyrethroid**
- **Contains UltraTec®**
- **No Shaking Required**
- **No Shake Formula**
- **No Drip Formula**
- **Kills Home Invading Pests**
- **Kills Pantry Pests**
- **Kills Plant Pests**

[Indicates alternate text]