



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

September 11, 2003

Janice K. Sharp, PhD.
Regulatory Manager, ESD
Valent BioSciences Corporation
870 Technology Way
Libertyville, IL 60048

Subject: Amendment - Label revisions per PR Notices 96-6, 2001-1, 2001-6 and response to Agency letters dated 06/03/99 & 02/18/99
Permanone General Purpose Aqueous Insecticide
EPA Reg. No. 73049-303
Your Letter Dated May 28, 2003

Dear Ms. Sharp:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Move the statements beginning, "Avoid contamination of feed ... etc", and ending "... until surfaces are dry." under the Directions for Use section.
2. Move the dog precaution paragraph under Precautionary Statements to the directions for use on dogs.
3. Since the product is in Toxicity Category for all routes of exposure you may remove the signal word on the front and rear panel and the statement "Hazards to Humans & Domestic Animals".
4. Add "Allow all treated articles to dry thoroughly before use." under bed bug directions.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

Sincerely,

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

PERMANONE® GENERAL PURPOSE AQUEOUS INSECTICIDE

- *[For Domestic Use both Indoors and Outdoors*
- *A Ready-To-Use PERMANONE Stable Emulsion Insecticide*
- *For Control of Fleas, Brown Dog Ticks and Lice on Premises and on Dogs*
- *For Control of Ticks which may cause Lyme disease on Premises*
- *Controls Fleas and Ticks on Dogs for 14 Days*
- *Provides 60-day (Two Months) Control of Cockroaches*
- *Provides 60-day (Two Months) Control of Fleas*
- *Provides 60-day (Two Months) Control of Stored Product Pests*
- *For Livestock and Premise Use]*

**ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 11 2003**
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
73049-303

ACTIVE INGREDIENT:
Permethrin¹ 0.50%

OTHER INGREDIENTS: 99.50%
100.00%

¹ Cis/trans ratio: min. 35% (+/-) cis and max. 65% (+/-) trans.

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada 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. 73049-303

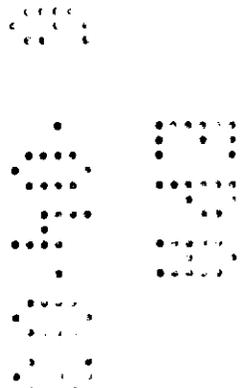
EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See rear panel for additional precautions.

NET CONTENTS:



**READ ENTIRE LABEL BEFORE EACH USE
PET USE APPLIES TO USE ONLY ON DOGS**

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

Wash thoroughly after handling and before smoking or eating. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before surface applications. Do not use on humans. Do not allow children or pets to contact treated areas until surfaces are dry.

Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. 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.

DIRECTIONS FOR USE

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

Affix trigger, pump or other type sprayer to container for application. Do not transfer to another container.

SHAKE WELL BEFORE USING

Do not use on electrical equipment or on surfaces that can be harmed or stained by water.

INDOOR APPLICATION

For spot application only. Do not use as a space spray indoors. Do not apply to classrooms while in use. In the home, cover all food processing surfaces and utensils during treatment or thoroughly wash before use. Cover or remove exposed food/feed.

SURFACE SPRAYING:

For 60-Day [Two Months] control of *Cockroaches, Waterbugs, Palmetto Bugs, Scorpions, Millipedes, Centipedes, Sowbugs, Pillbugs, Ants, Silverfish, Firebrats, Spiders, Crickets, Clover Mites, Cheese Mites, Granary Weevils, Rice Weevils, Confused Flour Beetles, Rust Red Flour Beetles, Drugstore Beetles, Meal Worms, Grain Mites and Cadelles*: Direct the spray into hiding places, cracks and crevices, and behind shelves and drawers. For *silverfish*, spray bookcases. For *ants*, spray trails, nests and points of entry.

To control *Carpet Beetles*: Spray edges of carpeting and under carpeting and rugs. Make localized application to floor and baseboards. Spray directly into cracks, crevices and infested areas of shelving.

To control *Bedbugs*: Spray mattresses lightly, particularly around tufts and seams. Take beds apart and spray in all joints. Treat baseboards, moldings and floors.

To control *Fleas* (adults and larvae) and *Ticks*, including Ticks which may carry Lyme disease (adults and larvae): Thoroughly spray infested areas, pet beds, resting quarters, nearby cracks and crevices, along and behind baseboards, moldings, window and door frames, and entire areas of floor and floor covering. Fresh bedding should be placed in animal quarters following treatment. Allow to dry thoroughly before allowing pets to contact treated areas.

To control *Clothes Moths*: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated lightly, keeping nozzle at least three feet from fabric to avoid staining.

To kill *Lice* and *Louse Eggs*: Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Spray from a distance of 8 to 10 inches. Treat only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry cleaned. Allow all treated articles to dry thoroughly before use.

ON LIVESTOCK:

TO PROTECT CATTLE (BEEF AND DAIRY), GOATS, SHEEP, HOGS AND HORSES FROM **HORN FLIES, FACE FLIES, HOUSE FLIES, MOSQUITOES AND GNATS**: Apply a light mist sufficient to wet the surface of the hair. For face flies, spray face and head, but do not spray into eyes.

To control **Stable Flies, Horse Flies** and **Deer Flies**: Apply at a rate of 2 ounces per adult animal, sufficient to wet the hair thoroughly. Repeat treatment daily or at intervals necessary to give continued protection.

To control **Blood-sucking Lice**: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

To control **Poultry Lice**: Spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist.

To control **Bedbugs** and **Mites** in poultry houses: Spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

ON DOGS:

To control **Fleas, Ticks, and Lice**: Start spraying at the tail, moving the dispenser rapidly and making sure that the animal's entire body is covered, including the legs and underbody. While spraying, fluff the hair so that the spray will penetrate to the skin. Make sure spray wets thoroughly, but do not saturate animal. Do not spray into eyes or face. Avoid contact with genitalia. Use protective gloves or mitts when applying product. Repeat application every two weeks if necessary. **DO NOT USE ON CATS OR KITTENS.**

OUTDOOR APPLICATION

TO CONTROL TICKS, INCLUDING TICKS WHICH MAY CARRY LYME DISEASE (PERIMETER TREATMENT):

Use Permethrin General Purpose Aqueous Insecticide as a residual treatment to control **Ticks** including the **Deer Tick (*Ixodes scapularis*)**, **Lone Star Tick (*Amblyomma americanum*)**, **Brown Dog Tick (*Rhipicephalus sanguineus*)**, **American Dog Tick (*Dermacentor variabilis*)** and **Western Black-legged Tick (*Ixodes pacificus*)**. For each area listed below, apply until surface is wet (approximately 1 gal/750-1000 ft.).

Treat around windows and doors, porches, screens, eaves, patios, garages, under stairways and in crawl spaces where these pests may enter.

Treat a band of vegetation and leaf litter 6 to 10 feet wide around the outside of buildings to help control ticks occurring there.

To help control ticks in outdoor activity areas, treat a band of vegetation and leaf litter 6-10 feet wide and adjacent to activity areas, especially where dense vegetation occurs.

FOR CONTROL OF ORNAMENTAL GARDEN INSECTS:

Not for use on plants grown for sale or other commercial or research purposes. Not for use in commercial greenhouses, nurseries, on sod farms or grass grown for seed.

For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray as well as **Whiteflies, Aphids, Exposed Thrips, Spiders, Red Mites** and **Leafminers**. May be used on plants as a multipurpose spray in small gardens and for spot treatments of incipient insect infestations to prevent spreading in large garden areas.

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwoods, English ivy, Eunonymus, fuschia, geraniums, crassula, grape vines, Kentia palms, laurels, marigolds, rhododendrons, roses, rubber plants, snapdragons, stocks, wandering Jews and zinnias.

Effective when used as directed against **Whiteflies, Aphids, Spider and Red Mites, Exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites** and **Armyworms**. 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. Contact insects directly whenever possible.

STORAGE AND DISPOSAL

Storage: Store in a cool, dry area away from children and pets.

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.

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