

M 15 KE 6# 1452-31

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US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NUMBER
1452-31

DATE OF ISSUANCE
JUN 11 1990

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE
Until Reregistration

NAME OF PESTICIDE PRODUCT
Bifenthrin

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

161 / 237659
18 / 2

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL
DATE
June 11 1990

d. Under Precautionary Statements delete "Do not use in food handling areas" since this prohibition appears elsewhere on the label and replace with the following precautions:

Wear full faced gas mask with canister type recommended for general insecticide protection for applying indoors as a space spray or fog. Do not apply this product in patient rooms or in any rooms occupied by the elderly or infirm. Do not apply to classrooms when in use. Allow all treated articles to thoroughly dry before reuse. Remove or cover fish bowls before application.

e. The statements regarding use in food handling establishments should be modified as follows:

"Do not use in food/feed areas..."

"...Where food/feed..."

"Exposed food/feed should be..."

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (H7505C)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 11 1990

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide
registered under EPA Reg. No.

1452-31

PROPOSED LABEL

FRONT PANEL

HILO PERMETHRIN SPRAY
FOR DOGS AND CATS
KILLS FLEAS AND TICKS

AN INSECTICIDE OFFERING RESIDUAL KILL OF CRAWLING INSECTS FOR UP TO 4 WEEKS

ACTIVE INGREDIENTS:

*Permethrin (3-phenoxphenyl)menthyl (+) Cis,
trans-3)2,2-dichloro-ethenyl)-2,2-dimethyl-
cyclopropanecarboxylate.....13.30%

INERT INGREDIENTS:**.....86.70%
100.00%

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

U.S. Patent No. 4,024,163

**Contains xylene range aromatic solvent.

RECOMMENDED FOR USE BY COMMERCIAL APPLICATORS

KEEP OUT OF REACH OF CHILDREN

W A R N I N G

SEE BACK PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

NET CONTENTS _____

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BACK PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
W A R N I N G

Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling. Do not use in food handling areas.

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Do not induce vomiting. This product contains aromatic petroleum solvent. Aspiration may be a hazard.

If in eyes: Flush with plenty of water. Get medical attention.

If on skin: Wash with soap and plenty of water. Get medical attention if irritation persists.

If inhaled: Remove affected person to fresh air. Apply artificial respiration if indicated.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not contaminate water by disposing of equipment washwaters. Do not apply directly to any body of water. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. Flashpoint minimum of 105° F (41° C).

BEST AVAILABLE COPY

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store product in original container in a locked storage area.

CONTAINER DISPOSAL: For Containers One Gallon and Under: Do not reuse empty container. Wrap container and put in trash. For Containers Over One Gallon: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT
IN A MANNER INCONSISTENT WITH ITS LABELING.

For use in non-food areas indoors and outside premises of hotels, motels, homes, preschools, nurseries, day camps, greenhouses, lathhouses, seed houses, food handling establishments, packaging and processing plants, commercial, industrial, office, institutional and storage buildings, dairies, milk storage rooms, egg processing plants, supermarkets restaurants, bottling plants, canneries, flour and feed mills, bakeries and hospitals. In HOSPITALS, patients should be removed prior to treatment. Also for use in campers, mobile homes, buses, automobiles, trucks, and boxcars. Also for use in dog kennels and horse stables. In HORSE STABLES, not for application if horses will be used for food. Not for use in USDA meat and poultry plants.

Do not use in ^{food} areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held.

In the home 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.

Nonfood areas are 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 (after canning or bottling).

DILUTION

One gallon of finished spray is sufficient to treat 1580 linear feet (482 m) with a 6 inch (15.2 cm) spray band.

For contact and residual sprays, mix Hilo Permethrin Spray with water in the following manner:

FINISHED SPRAY	HILO PERMETHRIN SPRAY (fluid ounces)	WATER:
0.25%	2-2/3 (79 ml)	1 gallon (3.79 L)
0.25%	2/3 (20 ml)	1 quart (0.95 L)
0.50%	5-1/2 (163 ml)	1 gallon (3.79 L)
0.50%	1-1/3 (39 ml)	1 quart (0.95 L)

For heavy infestations, use the 0.50% dilution. For lighter infestations and for maintenance purposes, use the 0.25% dilution.

BEST AVAILABLE

BACK PANEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING

Causes eye irritation. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed. Avoid breathing vapor. Wash thoroughly after handling. Do not use in food handling areas.

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PEST INDOORS

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (firebrats), clove mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, brown dog ticks, lone star ticks, ants, fire ants, clothes moths, carpet beetles, fleas, boxelder bugs, scorpions, spider beetles, bed bugs, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards and storage areas. Spray directly on insects where possible.

FOR BEDBUGS: Apply as a spot treatment to cracks and crevices, around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor bedbugs, concentrating on tufts, folds and seams. Repeat as necessary.

WASPS, HORNETS, YELLOW JACKETS, BEES: Application should be made in the late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

FLEAS, BROWN DOG AND LONE STAR TICKS on Dogs, Cats and Premises: Spray animals along back, under forelegs and on other areas, except scrotum, face and anus. Part hair to contact skin and insure good coverage. Hold sprayer about one foot (30 cm) away while spraying. Apply until hair is thoroughly moist. Do not spray directly in eyes, mouth or nose of animal. To prevent reinfestation, thoroughly spray the animals' bedding and other resting areas until the surface is slightly moist contacting as many insects as possible. Treat the floor areas, cracks, crevices in the floor and along baseboards at the rate of 2 seconds per linear foot (30 cm) at a distance of 12 to 18 inches (30-45 cm). Also spray the entire inside surface of dog houses.

HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FRUIT FLIES, FLYING MOTHS: Close off all doors and windows. Point sprayer upward. Direct spray mist to all parts of the room, especially windows and other light sources which may attract these insects. Fill the room with mist, then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed.

CARPET BEETLES AND CLOTHES MOTHS: To treat carpets - hold container 14-18 inches (36-46 cm) from carpet. Apply spray evenly, covering the entire surface until slightly moist. Spray underside of carpet when possible. Avoid wetting or soaking. To treat garments, blankets, carpets and other fabrics before storage: dry clean or wash before treatment and after storage. Apply spray evenly, covering the material on both sides until slightly moist. For best results, place treated materials in plastic bags after drying and store in a dark place. Also spray floor and baseboards, closets, cracks, crevices, infested areas of shelving and/of wherever these insects are seen or suspected.

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GRAIN INSECTS: To control confused flour beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, anhoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles - remove infested grain, cereal or flour and destroy. Avoid contamination of other food and foodstuffs in areas by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly sprayed so as to contact all pests, and covered with shelf paper after allowing shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

SPIDERS: Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

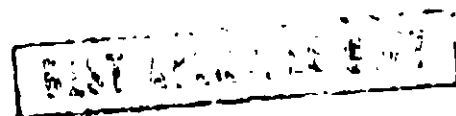
ANTS: To kill ants, spray trails, nests and points of entry within buildings and homes. Spray directly on ants where possible. Repeat as necessary.

PESTS ON OUTSIDE SURFACES OF BUILDINGS: Use this product to control ants, clover mites, crickets, earwigs, millipedes and sowbugs (pillbugs) on the outside surfaces of buildings. To help prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet (0.5 to 1 m), where pests are and may find entrance. Also, apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps, and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FLYING MOTHS OUTDOORS: For outdoor use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where these insects alight or congregate. Repeat as necessary.

ANTS, LONE STAR TICKS, CRICKETS, FLEAS, AND EARWIGS OUTDOORS, For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills, and runways. Repeat application as infestations warrant and as reinfestations occur.

WASPS, HORNETS, YELLOW JACKETS, BEES: Application should be made in late evening when insects are at rest. Aim spray at nest openings in ground, bushes, and in cracks and crevices which may harbor nests, saturating nest openings and contacting as many insects as possible.



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TO CONTROL FIRE ANTS dilute 2 tablespoons (30 ml) of this product in 1 gallon (3.79 L) of water. Apply 1 gallon (3.79 L) of solutions as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4 foot diameter (1.22 m). For best results, apply in cool weather, 65-80°F (18.5-27°C), or in early morning or late evening hours. Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies which may not as yet have constructed a mound. Larger quantities of solution can be prepared for multiple mound treatments. Equipment to deliver the diluted product as a gentle rain at the rate of 1 gallon (3.79 L) per mound is still required. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

EPA REG. NO. 1452-

EPA EST No. 1452-OH-1

MANUFACTURED BY:

ROCCORP, INC.
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N. CANTON, OH 44720