



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

DEC 30 2003

Mr. Patrick Rolfes
Chem-Tech, Ltd.
4515 Fleur Drive #303
Des Moines, IA 50321

Subject: Amendment Updating First Aid Per PR Notice 2001-1; Updating Disposal Per
PR Notice 2001-6; Adding Wound Spray Claim; etc.
CT Residual Spray
EPA Reg. No. 47000-100
Your Resubmission, Sent by e-Mail on December 23, 2003

Dear Mr. Rolfes:

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 comment below. Two 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. In the oral ("If Swallowed") first aid statements, add the following statement after the first sentence:

"Have person sip a glass of water if able to swallow."

If you have any questions regarding this action, please contact Susan Stanton of my team at (703) 305-5218.

Sincerely,

A handwritten signature in cursive script that reads "Susan L. Stanton, for".

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

Enclosure

285



RESIDUAL SPRAY

- CONTROLS RESIDENTIAL, INDUSTRIAL AND GARDEN INSECTS.
- FOR USE ON DOGS AND ON PREMISES TO CONTROL FLEAS AND TICKS.
- CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.
- A WATER BASED AEROSOL.
- CONTROLS PESTS FOR UP TO FOUR WEEKS.
- KILLS LICE AND THEIR EGGS.
- KILLS SCREW WORMS ON BEEF CATTLE, HORSES AND SHEEP.
- KILLS HOUSE DUST MITES IN CARPETS, CURTAINS AND ON UPHOLSTERY.
- FOR USE ON BEDDING, FURNITURE AND OTHER INANIMATE OBJECTS INFESTED WITH LICE.
- **KILLS MOSQUITOES, TICKS AND MITES.**
- **PREMISE SPRAY** (multiple uses, as listed throughout label).
- **MOSQUITO PROTECTION.**
- NOT FOR USE ON HUMANS.

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

DEC 30 2003

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

47000-100

ACTIVE INGREDIENT:

*Permethrin.....	0.50%
OTHER INGREDIENTS.....	99.50%
TOTAL	100.00%

*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate (Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

- If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advise.
- If Swallowed:** Call a poison control center or doctor immediately for treatment advise. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.
- If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

For emergency information contact: National Pesticide Information Center at 1-800-858-7378 between 6:30 am and 4:30 Pacific Time. After 4:30 call your poison control center. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

READ ENTIRE LABEL BEFORE EACH USE
FOR PET USE: USE ONLY ON DOGS - DO NOT USE ON CATS

PRECAUTIONARY STATEMENTS Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs.

Hazards to Domestic Animals

Do not spray directly in/on eyes, mouth or genitalia of pets. 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 extremely toxic to fish and aquatic invertebrates (crabs, shrimp). Do not apply directly to water.

Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130 F may cause bursting.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

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, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Remove pets and birds and cover fish aquariums before spraying. Do not use on surfaces for food preparation. This product is not for use on humans. If lice infestations should occur on humans, use a product labeled for use on humans. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry. Allow all sprayed articles to dry thoroughly before use.

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).

When applying as a space spray, remove people and pets from the area before spraying. Do not remain in the treated area, and ventilate after treatment is completed.

SHAKE WELL BEFORE USING

Remove protective cap, hold container upright and spray from a distance of 12 to 15 inches. Remove birds and cover fish aquariums before spraying.

HOUSEFLIES, FRUIT FLIES, MOSQUITOES, GNATS, WASPS, HORNETS, BEES, BLACK FLIES, SKIPPER FLIES, BLOW FLIES AND SMALL FLYING MOTHS: Close all doors and windows and spray room at the rate of 2 to 3 seconds per 1000 cubic feet. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Repeat treatment as infestations occur.

COCKROACHES, WATERBUGS, PALMETTO BUGS, SILVERFISH, FIREBRATS, CRICKETS, SCORPIONS, SPIDERS, MILLIPEDES, CENTIPEDES, SOWBUGS AND PILLBUGS: Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray when ever possible. Repeat treatment every two weeks, if necessary.

ANTS: Spray trails, nests and points of entry. Spray on ants where possible. Repeat every two weeks, if necessary.

INDIAN MEAL MOTHS, ANGOUMOIS GRAIN MOTHS: Close doors and windows, direct spray into all parts of room especially around stored food product containers, pallets and darkened areas. Spray 7 to 10 seconds for each 1000 cubic feet of space. Keep area closed for 15 minutes following treatment. Repeat application every two weeks, if necessary.

EXPOSED STAGES OF CONFUSED FLOUR BEETLES, SAW-TOOTHED GRAIN BEETLES, RED FLOUR BEETLES, RICE WEEVILS, GRANARY WEEVILS, GRAIN MITES: Spray into cracks and crevices, around cartons or containers or other areas where these insects tend to congregate. Spray 30 seconds for each 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Repeat application every two weeks, if necessary. Infested stored food products in the home should be disposed of.

CARPET BEETLES: Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat treatment every two weeks, if necessary.

BEDBUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. ~~After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover.~~ Repeat treatment every two weeks, if necessary.

TO CONTROL CLOTHES MOTHS AND CARPET BEETLES ON WOOL AND OTHER PROTEINACEOUS FIBERS: Remove 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 by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO CONTROL HOUSE DUST MITES that may cause asthma, hay fever, rhinitis, watery eyes and sneezing. One treatment lasts up to 8 weeks. On Upholstered Furniture- test fabric in an inconspicuous area to insure dyes will not bleed. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray all fabric surfaces until damp. Spray to the point of dampness but not run off. Do not use on delicate fabrics. Allow furniture to dry thoroughly before using. On Carpets- Spray over entire carpet until damp. Spray to the point of dampness but not run off. Hold the nozzle approximately 12 to 18 inches from the carpet surface and spray in a sweeping motion. Use an overlapping pattern to insure total coverage. After application, brush the surface of the carpet with a broom or brush to insure deep penetration. Allow carpet to dry thoroughly before reentering the treated area. Drying time can be accelerated by using a fan. On Mattresses- Spray the top, bottom and sides of mattress until damp, paying particular attention to tufts and seams. Allow to dry thoroughly before using. ~~After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover.~~ Vacuum entire area once dry. Since vacuuming stirs dust up in the air those with allergies should have another person vacuum or should wear a dust mask and use vacuum with a high efficiency particulate (HEPA) filter.

IN ANIMAL QUARTERS AND MILK ROOMS: For rapid control of House Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees and Small-Flying Moths. Remove animals prior to treatment, close windows and doors and spray at the rate of 2 seconds per 1000 cubic feet of space. For best results, keep area closed for 10 minutes after spraying. Do not remain in treated area and ventilate after treatment is completed.

TO TREAT LIVESTOCK: To protect beef cattle, dairy cattle, goats, sheep, hogs and horses from attacks of Stable Flies, Horse Flies, Deer Flies, Face Flies, House Flies, Horn Flies, Mosquitoes, ~~and Gnats:~~ Spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. To protect from Face Flies, spray the face and head, but do not spray into eyes. Repeat treatment when flies are troublesome. ~~Do not use on horses.~~

WOUND TREATMENT and to kill **SCREW WORMS**, ~~infesting~~ infesting beef cattle, horses and sheep, hold can about 4 to 8 inches from the area to be treated with nozzle pointed at wound. Spray the area until it is completely wet (3 to 10 seconds are usually enough). The area surrounding the wound should also be sprayed. This product is not recommended for use in deep wounds. Some strains of screw worm may develop resistance to pyrethroids. This will be observed by lack of response to treatment. Where pyrethroid resistance is known or suspected, this product should not be used.

FOR SWINE: Do not ship animals for slaughter within 5 days of last treatment.

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 the cages thoroughly. This should be followed by spraying over the birds with a fine mist.

FOR CONTROL OF BEDBUGS AND MITES IN POULTRY HOUSES, spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

FLEAS AND TICKS (ADULTS AND LARVAE) PET PREMISES AND AREA TREATMENT: Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices around baseboards, and window and door frames. Infested upholstered furniture may also be treated with this product. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

TO KILL LICE AND LOUSE EGGS ON GARMENTS, BEDDING AND FURNITURE: Do not apply directly to humans. 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. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot for three seconds. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all sprayed articles to dry thoroughly before use. ~~After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover.~~

TO CONTROL FLEAS, TICKS AND LICE ON DOGS: Starting at the tail, stroke against the lay of the hair, spraying the parted fur in short bursts, directly behind the hand to insure penetrating the coat. Dampen the fur up to the head. Repeat application every two weeks, if necessary.

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FOR THE 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, exposed Thrips, Spiders, Red Mites and Leafminers.

May be used on ornamental plants, as well as a multi-purpose spray in small ornamental gardens and for spot treatments of incipient insects 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, dogwood, english ivy, euonymus, fuschia, geraniums, crassula, grape vine, kentia palm, laurel, marigolds, rhododendron, roses, rubber plants, snapdragons, stocks, wandering jews zinnias.

Effective when used as directed again Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Army Worms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Spray in one second bursts. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90 F. Contact insects directly when ever possible. Repeat treatment as infestations occur.

STORAGE AND DISPOSAL

Contents under pressure. Do not use or store near heat or open flame. ~~Keep out of reach of children. Do not use in enclosed spaces. Place in trash or other non-recycling receptacle immediately after use.~~

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

EPA REG. NO. 47000-100

EPA EST. NO. 47000-IA-1

NET CONTENTS _____

Mfr. by:
Chem-Tech, Ltd.
4515 Fleur Drive
Des Moines, IA 50321