

47000-100

12/22/99

175



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

47000-
100

Date of Issuance:

DEC 22 1999

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

CT Residual Spray

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A), provided you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 47000-100".
 - b. Delete "processing and handling equipment" under DIRECTIONS FOR USE since these sites conflict with the use prohibition in food handling establishments.

Signature of Approving Official:

George T. LaRocca
George T. LaRocca, Product Manager 13

Date:

DEC 22 1999

- c. Under IN ANIMAL QUARTERS AND MILK ROOMS, add "Remove animals prior to treatment."
 - d. Add the precaution, "Allow all sprayed articles to dry thoroughly before use" to the precautionary text on the front panel.
 - e. On the front panel, add referral statement, i.e., "See back/side panel for additional precautions."
 - f. Delete the last two sentences under ENVIRONMENTAL HAZARDS and replace with "Do not apply directly to water."
3. Revise the storage and disposal statement as per the regulations of 40 CFR Section 156.10 for all pressurized containers that reads: "Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperature above 130°F may cause bursting."
 4. Submit a corrected box 9 of the CSF indicating the product's flash point/flame extension as follows: Flash point > 210°F; Flame extension <18" with no flash back.
 5. Submit two (2) copies of your final printed label before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Linda Werrell of my team at (703) 308-8033. A stamped copy of the label is enclosed for your records.

Sincerely



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

Enclosure

365

ACCEPTED
BY THE COMMISSION
ON 1994, Label Edited

DEC 22 1995

CT RESIDUAL SPRAY

Registered Federal Insecticide,
Fungicide, and Nematicide and
Antifeedant for the pestiferous
insects and other EPTA listed.

47000-100

- 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.
- FOR USE ON BEDDING, FURNITURE AND OTHER INANIMATE OBJECTS INFESTED WITH LICE.
- NOT FOR USE ON HUMANS.

ACTIVE INGREDIENT:

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

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Contact a physician if irritation persists.

IF ON SKIN: Wash affected areas immediately with soap and water. Get medical attention.

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. Remove pets and birds and cover fish aquarium before space spraying or surface applications. **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.

Hazards to Domestic Animals

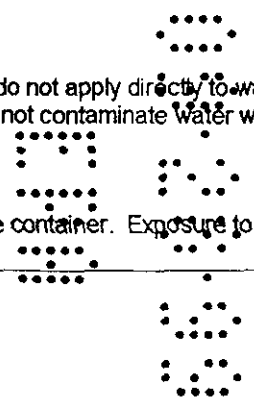
Do not spray directly in/on eyes, mouth or genitalia of pets. Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using any pesticide product for pets. If signs of 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). For terrestrial uses, 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 contaminate water when disposing of equipment washers.

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.

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 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 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, processing and handling equipment, 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 every two weeks, if necessary. Infested stored food products in the home should be disposed of.

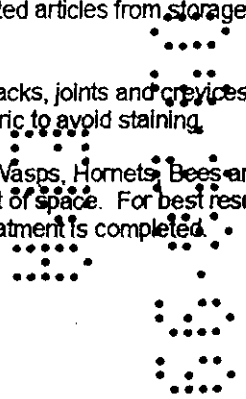
CARPET BEETLES: Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat every two weeks, if necessary.

BEDBUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Repeat 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.

IN ANIMAL QUARTERS AND MILK ROOMS: For rapid control of House Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees and Small-Flying Moths, 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.

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.

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.

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

Store in a cool, dry area. Do not transport or store below 32 F. Offer container for recycling where available, or securely wrap container in several layers of newspaper and dispose of in trash. Do not incinerate or puncture.

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

EPA REG. NO. 47000-

EPA EST. NO. 47000-IA-1

NET CONTENTS _____

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

