

PM 13 47000-88  
US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

47000-88

DATE OF ISSUANCE

FEB 19 1993

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TERM OF ISSUANCE

Until Reregistration

NAME OF PESTICIDE PRODUCT

CT-250

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chem-Tech Ltd.  
4515 Fleur Dr., #303  
Des Moines, IA 50321

160/5430036  
18/1

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) since you have agree to:

1. Submit and/or cite all data or other material 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 labeling changes listed below before you release the product for shipment:

a. Add the phrase, "EPA Registration No. 47000-88" before you release the product for shipment.

b. Add the statement "Open and ventilate before reoccupying." to the paragraph beginning "Exposed stages of Confused Flour Beetle..."

c. Under "In Beef, Cattle, Goat...", change "For Animal Application" to "For Livestock Application" and begin a new paragraph for this similar to "Livestock Use" under "In Dairy Farms."

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

d. Add the following to the Precautionary Statements after "Not for use on cats.":

Do not spray directly in/on eyes, mouth or genitalia of pets. Do not treat or cause exposure to puppies less than four weeks old.

3. Submit 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.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

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**BEST AVAILABLE COPY**



CT-250

\* For Household and Commercial/Agricultural Use

\* A broad spectrum aqueous insecticide which kills ants, bed bugs, booklice, carpenter ants, carpet beetles, centipedes, cigarette beetles, clover mites, cluster flies, cockroaches, confused flour beetles, crickets, drug store beetles, fleas, flies, fruit flies, gnats, grain mites, granary weevils, horn flies, house flies, lice, millipedes, mosquitoes, mud daubers, red flour beetles, rice weevils, sawtoothed grain beetles, silverfish small flying moths, sow bugs, spiders, stable flies, and wasps.

**ACTIVE INGREDIENTS:**

Pyrethrins .....	0.250%
*Piperonyl Butoxide, Technical .....	1.250%
**Permethrin .....	0.125%
<b>INERT INGREDIENTS:</b> .....	<b>98.375%</b>
	<b>100.00%</b>

\*Equivalent to min. 1.0% (butylcarbityl)(6-propylpiperonyl) ether and 0.25% related compounds.

\*\*[(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**  
See rear panel for use precautions.

NET CONTENTS:

E.P.A. Reg. No. 47000-  
E.P.A. Est. No. 47000-IA-01

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Mfg. By: Chem-Tech, Ltd.  
4515 Fleur Drive  
Des Moines, IA

FEB 19 1963  
EPA No. 47000-88

**DIRECTIONS FOR USE**

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

For use in and around Non Food/Feed Areas of (but not limited to) Beef Cattle Operations, Campgrounds, Catteries, Dairy Farms (including Milk House, Milk Parlor, Loading Sheds, and Holding Lot), Food Storage Areas, Hog Operations, Homes, Horse Barns and Stables, Hospitals (non-occupied patient areas), Hotels, Kennels, Motels, Poultry Operations, Resorts, Restaurants and other Food Handling Establishments, Schools, Supermarkets, Utilities, Vehicles, Warehouses, and other Commercial and Industrial Buildings.

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed 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).

Do not use in rooms/areas while occupied by patients, the elderly or infirm. Do not apply to classrooms when in use.

**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.

**NONAGRICULTURAL USES**

*Cluster Flies, 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 at the rate of 1 to 3 seconds per 1000 cubic feet, moving toward the door. Fill room with mist. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Leave room and keep area closed for 15 minutes. Open and ventilate before reoccupying. Sweep up and destroy fallen insects. Repeat treatment as necessary.

*Ants, Cockroaches, Waterbugs, Palmetto Bugs, Silverfish, Flebrals, Clover Mites, Crickets, Scorpions, Spiders, Millipedes, Centipedes, Sowbugs and Pillbugs:* Spray into hiding places such as cracks and crevices, behind sinks, cabinets, meter boxes, door frames, windows, along baseboards and floors, around drains and plumbing, hitting insects with spray whenever possible.

Space spray treated. Shut off windows before spraying. Space spray, 1 cu. ft. of space, may be subjected of harbor in all locations contact and keep area closed and reoccupying. Sweep up and destroy fallen insects as necessary.

*Indian Meal Moth, Angoumois Grain Moth:* Spray into all parts of containers, pallets for each 1000 cubic feet of room and keep area open and ventilated. Sweep up and destroy fallen insects. Repeat treatment as necessary.

*Exposed stages of Flour Beetles, Rice Weevils, Drug Store Beetles, Flour Beetles, Rice Weevils:* exposed adult insects in crevices, processing areas, containers or other areas. Contact as many insects as possible in 100 square feet of area. Leave area closed for 15 minutes. Sweep up and destroy fallen insects. Repeat treatment weekly or as necessary. Dispose of, or destroy, this product.

*Carpet Beetles:* Spray on shelves and carpet.

*Bedbugs:* Spray on beds. Take beds apart. Spray moldings and floor. Spray articles to be treated.

To control *Clothes Moths* and other proteinaceous fiber eating insects, brush thoroughly, and apply spray liberal to storages directing air circulation. Infested articles should be sprayed with nozzle at least three times.

*Mud Daubers* and their nests from walls and ceilings will fly away from contact when insects are contacted as may

**IN CATTLE, GOAT, AND SHEEP OPERATIONS, STABLES AND STABLES**

Close all windows and doors, and spray at a rate of 1 to 2 seconds per 1000 cu. ft. If area cannot be closed, double the dosage. Leave room and keep area closed for 15 minutes following application. Ventilate area after treatment is complete. **FOR ANIMAL APPLICATION** (Do not use on sick animals), from approximately 2 feet away, thoroughly spray entire animal, preferably as it is being released to pasture. Do not spray directly toward animal's face or eyes. Apply for 2 to 4 seconds per animal. Repeat daily or as needed. 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.

**IN POULTRY OPERATIONS:**

Use only in unoccupied poultry houses when birds are not present. Close all windows and doors, and spray at a rate of 1 to 2 seconds per 1000 cu. ft, moving toward the door. If area cannot be closed, double the dosage. Leave room and keep area closed for 15 minutes following application. Ventilate area after treatment is complete. Treat daily or as needed.

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.

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.

**IN HOG OPERATIONS:**

Close windows and doors and direct fog upward in all directions at a rate of 1 to 2 seconds per 1000 cubic feet of space, moving toward the door. If area cannot be closed, double the dosage. Leave room and for best results, keep area closed for 15 minutes after spraying. Do not remain in treated area. Open and ventilate after treatment is completed.

**HOG APPLICATION (DO NOT USE ON SICK ANIMALS)** - From approximately 2 feet away, thoroughly spray entire animal as it is being released to pasture. Do not spray directly toward animal's face or eyes. Spot treat withers, shoulders and back where saliva accumulates from head tossing. Apply for 1 to 2 seconds per hog. Repeat daily or as needed. Do not ship 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.

**STORAGE AND DISPOSAL**

Store in a cool, dry area. Do not transport or store below 32°F.

Wrap container in several layers of newspaper and dispose of in trash. Do not incinerate or puncture.

4 buildings - **Directed spray:** Hold can 36 inches above floor and direct spray toward floor and lower walls at a rate of 10 seconds per 100 sq. ft. making sure that all floor, sofa and chair surfaces are contacted. Leave room and keep area closed for 15 minutes. Open and ventilate before reoccupying. Allow all sprayed articles to dry thoroughly before use. Repeat treatment after 7 days or as needed.

4 **Ticks (Adults and Larvae):** 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 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 weekly if necessary to control infestations. **NOTE: Not recommended for use on puppies less than four weeks old.**

**AGRICULTURAL USES:**

To control *Bees, Deer Flies, Face Flies, Fleas, Gnats, Horn Flies, Hornets, Horse Flies, House Flies, Lice, Mosquitoes, Small Flying Moths, Stable Flies, Ticks, and Wasps:*

**IN DAIRY FARMS**

**MILKING PARLOR AND MILK ROOM:** Cover milking utensils and milk to prevent contamination from spray and falling dead insects. Close windows and doors and direct fog upward in all directions at a rate of 1 to 3 seconds per 1000 cubic feet of space, moving toward the door. Leave room and for best results, keep area closed for 15 minutes after spraying. Do not remain in treated area. Open and ventilate after treatment is completed.

**LIVESTOCK USE (DO NOT USE ON SICK ANIMALS)** - From approximately 2 feet away, thoroughly spray entire animal as it is being released to pasture. Do not spray directly toward animal's eyes. Spot treat withers, shoulders and back where saliva accumulates from head tossing. Apply for 2 to 4 seconds per animal. Repeat daily or as needed. 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.

**IN STANCHION BARN:**

Walk behind animals and direct spray over backs allowing 1 second per animal. Apply each morning for best results.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Causes skin irritation. Do not get on skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs. Remove pets and birds and cover fish aquaria before spraying. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry. **NOT FOR USE ON CATS.**

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.  
**IF INHALED:** Remove victim to fresh air. If not breathing, apply artificial respiration, preferably mouth to mouth. Get medical attention.

**ENVIRONMENTAL HAZARDS**

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

**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. Do not apply this product in conduits, motor housing, junctions and switch boxes or other electrical equipment because of possible shock hazard. Do not use on surfaces that can be harmed or stained by water.

Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.