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Systems Integration Group, Inc.



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

EPA Reg. Number:

47000-97

Date of Issuance:

JUN 3 1999

Term of Issuance:

Conditional Registration

Name of Pesticide Product:

CT-55-PC

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

CHEM-TECH INC.
4515 Fleur Drive, #303
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 that you:

1. Submit and/or cite all data required for registration 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. 47000-97".
3. Submit five copies of the revised final printed labels for the record.

Signature of Approving Official:

Marion Johnson, PM 3

Date:

JUN 3 1999

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,



Marion Johnson
Product Manager 03
Insecticide Branch
Registration Division (7505C)

enclosure



3 of 5

ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUN 3 1999

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
47000-97

CT-55 PC

[] OR () indicates alternate or optional wording

Contains the botanical insecticide, Pyrethrum [an extract of a Chrysanthemum flower]
Kills [controls] and Repels Stable Flies, Horse Flies, Face Flies, Deer Flies, House Flies, Mosquitoes and Gnats
For use in Animal Quarters, Dairies, Milk Rooms, Milking Parlors, Calving Areas, Dairy and Hog Barns as well as outdoor areas
For use on Beef Cattle, Dairy Cattle, Horses, Hogs, Chickens, and other livestock
Quick killing pyrethrin controls crawling and flying insects in the dairies, barns, storage sites and other listed areas
For Use in Homes For Bedbugs, Clothes Moths, Carpet Beetles, Cockroaches, Fleas, Ticks, and Other Listed Pests.

ACTIVE INGREDIENTS:

Pyrethrins.....	0.50%
* Piperonyl butoxide, Technical.....	5.00%
INERT INGREDIENTS.....	94.50%
	100.00%

* Equivalent to 4.00% (butylcarbityl) (6-propylpiperonyl) ether and 1.00% related compounds.

KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED:	Call a physician or Poison Control Center immediately.
IF IN EYES:	Flush with plenty of water. Get medical attention if irritation persists.
IF ON SKIN:	Wash skin with plenty of soap and water. Get medical attention.
IF INHALED:	Remove victim to fresh air. Apply artificial respiration if indicated.

SPECIMEN LABEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Avoid contamination of food or feedstuffs.

ENVIRONMENTAL HAZARDS

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.

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 use this product in or on electrical equipment due to possibility of shock hazard.

CT-55 PC contains the quick killing botanical insecticide, Pyrethrum, [an extract of a Chrysanthemum flower], which provides effective, control of insects upon direct contact with an added benefit of flushing [repelling] these insects to aid in a more complete control [kill].

CT-55 PC can be used in listed animal quarters. [This product] provides fast, effective control [kill] and repellancy of the listed pests. can also be used on listed livestock and horses for quick control [kill] of pests on these animals.

CT-55 PC can be used in listed pet quarters. provides fast, effective control [kill] and repellancy of the listed pests.

CT-55 PC can be used in restaurants and other listed areas to control [kill], on contact, listed crawling pests and is a fast, effective product for flying insect control. Effectively controls exposed stages of stored product pests without persistent residue problems because it breaks down quickly on treated surfaces exposed to light.

For use in: Animal Holding Areas, Animal Quarters, Ant Hills, Attics, Barns, Beef Barns, Bottling Plants, Buildings Housing Animals or Poultry, Calving Barns, Canneries, Commercial Buildings, Crematoriums, Dairy Barns, Dairies, Dried Fruit Storage Areas, Dumpsters, Factories, Farm Structures, Food Processing Plants, Food Storage Areas, Funeral Parlors, Garbage Cans, Goat Holding Areas, Grain Elevators, Grain Storage, Hog Barns, Homes, Horse Stables, Hotels, Industrial Plants, Institutions, Kennels, Kitchens, Livestock Holding Areas, Loafing Sheds, Mausoleums, Milk Houses, Milk Rooms, Milk Sheds, Milking Rooms, Mortuaries, Pet Sleeping Areas, Poultry Houses, Railroad Cars, Restaurants, Rice Mills, Seed Storage, Sheep Holding Areas, Ships, Stables, Storage Areas [Sites], Stored Products, Supermarkets, Swine Houses, Theaters, Tobacco Warehouses, Trailers, Trucks, Utility Rooms, Veterinaries, Warehouses, Washrooms, Wheat Mills.

DIRECTIONS FOR USE

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

SPECIMEN LABEL

READ ALL DIRECTIONS COMPLETELY BEFORE USE

For most effective results, follow directions for specific use areas.

SHAKE BEFORE USE AND AT INTERVALS DURING PROLONGED USE. Hold container upright with nozzle away from face. Press valve down and spray as directed.

FOR USE IN ANIMAL QUARTERS, Barns, Dairies, Milking Parlors, Milking Rooms, Poultry Houses and other listed animal areas: For rapid control [kill] of Flies, Mosquitoes, Gnats, Stable Fly, House Fly, Horse Fly, Lesser House Fly, Deer Fly, Horn Fly, Black Fly: Spray at the rate of 5 to 10 seconds per 1000 cubic feet of space directing the spray toward the ceiling and upper corners and not directly towards the animals or birds. For best results, close doors and windows if possible, before spraying and keep them closed for 10 to 15 minutes. Applicator should vacate the treated area and ventilate it prior to returning. Repeat as necessary.

FOR USE ON LIVESTOCK:

To protect beef cattle, dairy cattle, horses and other livestock from attacks and to kill and repel Stable Flies, Horse Flies, Deer Flies, House Flies, Horn Flies, Lesser House Flies, Mosquitoes and Gnats, spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. Repeat as necessary.

To protect from Face Flies, spray the face and head or spray on a cloth and rub on the face being certain to avoid contact with the eyes. Repeat treatment as necessary when flies are troublesome.

For effective control of biting and sucking lice on cattle, horses, sheep, goats and hogs, spray to thoroughly wet the hair of the animal including the head and brush of the tail. Repeat treatment in 10 days to kill newly hatched lice.

To control poultry lice and exposed stages of Darkling Beetles, spray roosts, walls and nests or cages thoroughly. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

For control of bedbugs and mites on poultry and in poultry houses, spray crevices of roost poles, cracks in walls and cracks in nests where the bedbugs and mites hide. This should be followed by spraying over the birds with a fine mist. Repeat as necessary.

To control sheep "tick" or ked, thoroughly wet all portions of the body by spraying directly into the wool. Treat at a rate to sufficiently wet the animal. Repeat as necessary.

To kill fleas and Ixodid ticks on livestock and to obtain protection against reinfestation, spray to wet animal. Repeat as necessary.

SPACE TREATMENT INDOORS:

For maximum efficacy, close all doors and windows, turn off fans and air conditioner and spray upward into center of room with slow sweeping motion. Spray 5 to 10 seconds for average size room [1,000 cubic feet] [10 ft. x 12 ft. x 8 ft.]. Keep room closed for 15 minutes after spraying. Ventilate room for 5 minutes before entry. For use in Food Areas of Food Handling Establishments: When applying space treatment in food handling areas, the food handling operation should be shut down. In food processing areas, all utensils, shelving, etc., where food will be handled should be covered or removed before treatment or washed with an effective cleaning compound followed by a potable water rinse prior to use.

FLIES, GNATS, MOSQUITOES, FLYING MOTHS, exposed stages of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Clothes Moth, Chocolate Moth, Almond Moth, Miller Moth and other listed flying insects: Direct spray into all parts of the room, with special attention to hiding places. Sweep up and destroy fallen insects. Repeat as necessary.

SPACE TREATMENT OUTDOORS:

ADULT MOSQUITO, GNAT, MIDGE, FLY AND FLYING INSECT CONTROL: Use prior to entry outdoors to reduce annoyance from these and other flying pests. Spray around patio, porches, gazebos, shrubbery, vegetation and any other listed areas where mosquitoes rest. For best results, treat when the wind velocity does not exceed 5 miles per hour. Repeat as necessary.

EXPOSED STAGES of Indian Meal Moth, Angoumois Grain Moth, Tobacco Moth, Chocolate Moth, Almond Moth, Millers and other flying moths: Direct spray into all parts of room, especially around stored food product containers, pallets and darkened areas. Infested stored products should be fumigated or treated with EPA approved products [such as] [brand name]. Repeat as necessary.

SURFACE TREATMENT INDOOR:

Contact as many insects as possible with this spray. Apply spray at the rate of 30 seconds for each 100 square feet of surface area. Keep area closed for 45 minutes after treatment. Ventilate room 20 minutes before re-entry.

COCKROACHES [Smoky Brown Cockroach, Brown Banded Cockroach, Asian Cockroach, German Cockroach, American Cockroach, Australian Cockroach, Oriental Cockroach, (Waterbugs, Palmetto Bugs)], Crickets, Firebrat, Silverfish, Booklice, Scorpions, Spiders, Centipedes, Sowbugs, Pillbugs, Earwigs, Clover Mites, Lice and Millipedes: Thoroughly spray all parts of the room suspected of harboring these pests. Special attention should be paid to hiding places such as crack and crevices, behind and beneath sinks, stoves, refrigerators, around garbage cans, cabinets, along baseboards, door sills, frames and floors, around drains, pipes, plumbing, behind bookcases, storage and other utility installation areas contacting insects with spray whenever possible. Repeat as necessary.

EXPOSED STAGES of Flour Beetles, Cadelles, Rice Weevils, Flat Grain Beetles, Cigarette Beetle, Confused Flour Beetle, Drugstore Beetle, Lesser Grain Borer, Merchant Grain Beetle, Sawtoothed Grain Beetle, Grain Weevils, Warehouse Beetle, Red Flour Beetle, Grain Mites, Cheesemites, Flour Beetles, and Indian Mealworm. Find and destroy infested package goods [sacks] (boxes) (cartons) (containers)]. Remove all other items from shelves and drawers and clean thoroughly. Spray into cracks and crevices, shelves, drawers, cabinets, processing and handling equipment, around cartons or containers and other areas where these insects tend to congregate. Repeat as necessary.

FOR USE IN CANNERIES: Thoroughly clean floors, conveying equipment and walls, with special attention to cracks and crevices, prior to bringing in produce. Spray the entire space inside of the cannery including walls, ceiling and floors, paying special attention to forcing the spray into all cracks and crevices for the control of ants, cockroaches, silverfish, crickets, spiders, fruit flies, moths, house flies, cheese mites and other listed insects. Repeat as necessary.

FOR USE IN FOOD AND NONFOOD AREAS OF FOOD PROCESSING PLANTS, Industrial Installations, Bakeries, Rice and Wheat Mills, Restaurants, Tobacco Warehouses, Grain Elevators and Warehouses: Spray as directed to control listed flying and crawling insects. The use of this product in food processing or food handling establishments should be confined to time periods when the plant is not in operation. Food should be covered or removed during treatment. Repeat as necessary.

FOR USE IN STORAGE SITES: This product can be used in warehouse bins and trucks, cargo ships, mills, bin hoppers, elevators and conveying equipment as a clean up prior to using them for storage. In mills and elevators, all grain infested accumulations should be removed from the bin hoppers. All storage and conveying equipment should be thoroughly cleaned by sweeping out the waste grain, cobwebs and other debris from the walls and rafters as well as on the floor and door frames with special attention to material lodged in the cracks and crevices. All of the debris should be removed and burned to kill eggs and insects that might be present.

FOR FARMS, particular attention should be given to cleaning up around the used feed and grain bags, grain residues from wagons, harvesting equipment and feed troughs. Newly harvested grain should not be placed in the same bin with carry-over grain and all carry-over grain stocks that are not treated with grain protectant should be fumigated. These cleaning operations should be done within two or three weeks before harvest.

After above sanitation measures have been employed, spray all areas prior to use for storage as directed.

ANTS, Foraging Fire Ants, Pharaoh Ants, Carpenter Ants [Eastern (Western)]: Treat doors, around window frames, ant trails and hills and other areas of entry. Spray on ants where possible. Repeat as necessary.

CARPET BEETLES [Dermestids (Trogoderma)]: Directly spray as many insects as possible. Spray both interior and exterior of furniture. Both top and bottom of rugs and carpets should be sprayed thoroughly, where possible. Also treat shelves, closets, areas under furniture, floors, walls, baseboards and wherever these insects are seen or suspected. Repeat as necessary.

FLYING MOTHS and other Flying Moths: Remove any infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply liberally to empty chests, closets, bureaus and other storage areas directing the spray into cracks, joints, and crevices. Return clean articles after spray has thoroughly dried. Repeat as necessary.

BEDBUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. Allow treated fabric to dry thoroughly before using. Repeat as necessary.

FLEAS AND TICKS: FOR USE IN LISTED PET AREAS. Remove and either launder or destroy pet's old bedding. To reduce infestation, thoroughly spray the animal's clean bedding, sleeping quarters, kennel, around baseboards, window and door frames, wall cracks, local areas of floors and other resting places until the surface is slightly moist. Treat these areas at the rate of two seconds per linear foot at the distance of 12 to 18 inches. Also spray the entire inside surface of dog houses. Put fresh bedding in pet's quarters after spray has dried. Allow treated areas to dry thoroughly before allowing pets to re-enter. For best results, pets should be treated with an EPA registered flea and tick control products before they return to the treated area. **DO NOT TREAT PETS WITH THIS PRODUCT.** Repeat as necessary.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place away from children, preferably a secure storage area.

CONTAINER DISPOSAL: When container is empty, replace cap and offer for recycling. Where recycling is not available, securely wrap container in several layers of newspaper and discard in trash.

Net Wt. _____
Manufactured by:
Chem-Tech, Ltd.
4515 Fleur Drive
Des Moines, IA 50321