

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

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

NAME OF PESTICIDE PRODUCT: Insecticide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Aerochem, Inc.
P.O. Box 1089
Raymond, MS 39154

BEST AVAILABLE COPY

160 / 2220
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) provided that 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.

2. Make the following changes listed below before you release the product for shipment:

a. On the package, "EPA Registration No. 35138-61."

b. Revise the first aid or first aid treatment as follows:

IF SWALLOWED: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove any contaminated clothing and wash off with soap and water.

 ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

July 12, 1990

Helmut 7-9-90

Department of Agriculture (USDA) Heat and Poultry Plants. Therefore, either add the statement "Not for Use in USDA Heat and Poultry Plants," or submit an application to USDA requesting use in these areas. If granted, you can then indicate on the label that the product can be used in these areas.

d. Under Precautionary Statements add:

Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. Do not apply to classrooms when in use. Remove or cover fish bowls before application.

e. Under Precautionary Statements the statement should read:

"Do not use in serving areas while food is exposed or facility is in operation."

f. Add to animal/pet Directions for Use:

Do not use on nursing puppies or kittens under 3 months of age. Do not use this or any other product on sick, old, or debilitated pets.

g. Delete "Greenhouse" from product name. It is misleading in that other sites in addition to greenhouses are found on the label.

h. At the beginning of Physical or Chemical Hazards add "Extremely Flammable."

i. Delete "W/W" from the ingredient statement since weight by weight is already implied.

3. Please provide the following Product Chemistry Data.

a. On the Confidential Statement of Formula (CSF) provide the density of product.

b. Based on the current CSF dated February 13, 1990 your product will not meet the label claim for the active ingredient. Please revise the label or the CSF so the information agrees. Note that the lower limit of the active must be the same as the label claim in pure active form.

c. Statement of Composition - A complete description of the manufacturing/formulation process. Describe equipment used, mixing time, temperature, etc.

d. Discussion of Formation of (Unintentional) Ingredients - a brief description of impurities formed during the manufacturing/formulation process, in packaging, or during storage. If you do not expect any impurities during these stages, please so state.

BEST AVAILABLE COPY

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

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

BEST AVAILABLE COPY

JH
SAMPLE LABEL FORMAT

BEST AVAILABLE COPY

AEROCHEM GREENHOUSE SPRAY

A Combination of Insecticides Offering Quick Knockdown and Residual Kill
of Crawling Insects for up to 4 Weeks.

ACCEPTED
WITH COMMENTS
BY EPA LABORATORY

1.2

Under the Federal
Fungicide, Insecticide,
and Plant Regulator Act,
as amended, for
registered use.

ACTIVE INGREDIENTS:

*† Permethrin (3-phenoxyphenyl)methyl(±) cis, trans-3-(2,2-
dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate 0.15%w/w
d-Trans Allethrin (allyl homolog of Cinerin I) 0.25%

INERT INGREDIENTS: 99.60%
100.00%w/w

*Cis/trans isomers ratio: min. 35%(±)cis and max. 65%(±)trans.
†U.S. Patent No. 4,824,163.
*Permethrin is UCLAF's Permethrin® brand of permethrin insecticide.
Permethrin is UCLAF Corp., 400 Sylvan Avenue, Englewood Cliffs, N.J. 07632

PRECAUCION AL CONSUMIDOR: Si usted no lee ingles, no use este producto hasta que le
expliquen lo que significa este producto.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully
explained to you.)

**KEEP OUT OF REACH OF CHILDREN
CAUTION**
SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

Can be used in non-food areas of food handling establishments such as
garbage rooms, lavatories, floor drains (to sewers), entries, vestibules and
hallways, offices, locker rooms, machine rooms, basements, boiler rooms,
garages, utility rooms, mop closets and storage rooms (after canning or
bottling).

EPA Est: 35138-MS-1
EPA Reg. No. 35138

NET WEIGHT

LOT NO. AEROCHEM, INC.
P.O. BOX 1089
RAYMOND, MS 39154

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

Avoid contact with eyes, skin or clothing. Harmful if swallowed. Do
not use in areas of food processing plants, restaurants, or other areas where
food is prepared or processed. Do not use in serving areas while food is exposed.
Thoroughly clean all food handling surfaces and cover or remove all food and cover
thoroughly after treatment.

STATEMENT OF PRACTICAL TREATMENT
If in eyes or on skin: Flush with plenty of water. Get medical attention.

ENVIRONMENTAL HAZARDS
This product is toxic to fish and other aquatic organisms. Do not apply
contaminated water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS
Contents under pressure. Do not use or store near heat or open flame.
Do not use in temperatures above 130°F (54.5°C). Do not use in
electrical equipment because of possible shock hazard. Do not use
if damaged or stained by water.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with the label.

STORAGE: Do not store near heat or open flame. Keep in locked storage
water-based formulation at temperatures below 32°F (0°C).
CONTAINER DISPOSAL: Replace cap and wrap container in several layers of paper.

Shake well before each use. Remove protective cap. Aim spray at
push button to spray.

FOR USE IN NON-FOOD AREAS INDOORS AND OUTSIDE: MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CARE
CENTERS, GREENHOUSES, SEED HOUSES, FOOD HANDLING ESTABLISHMENTS,
PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE
BUILDINGS, DAIRIES, MILK STORAGE ROOMS, EGG
SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNING
MILLS, BAKERIES, AND HOSPITALS. IN HOSPITALS, PATIENTS
PRIOR TO TREATMENT. ALSO FOR USE IN CAMPERS, MOTOR
AUTOMOBILES, TRUCKS, AND BOXCARS. ALSO FOR USE IN
HORSE STABLES. NOT FOR APPLICATION IN
FOR FOOD.

DIRECTIONS FOR USE (Continued on reverse)

PESTS Indoors

For residual and contact control of cockroaches (waterbugs), crickets, silverfish (flabrats), clover mites, millipedes, centipedes, earwigs, sowbugs (pillbugs), spiders, ants, clothes moths, carpet beetles, boxelder bugs, scorpions, spider beetles, grasshoppers, house flies, mosquitoes, gnats, fruit flies, cluster flies, flying moths, confused flour beetles, saw-toothed grain beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain 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.

GRAIN INSECTS: For residual use, to control confused flour beetles, saw-toothed grain beetles, spider beetles, shiny spider beetles, grain mites, red flour beetles, angoumois grain moths, grain weevils, Indian meal moths, Mediterranean flour moths, lesser grain borers, cigarette beetles, drug store beetles, chocolate moths, carpet beetles. Avoid contamination of other food and foodstuffs in the area by removing before spraying. Spray directly on exposed stages and into cracks and crevices where grain insects may be hiding. 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.

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.

HOUSE FLIES, MOSQUITOES, CLUSTER FLIES, GNATS, FRUIT FLIES, FLYING MOTHS: Close off all doors and windows. Point nozzle upward. Direct spray mist to all parts of the room, especially windows and other light sources which 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 (35-45 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/or wherever these insects are seen or suspected.

CONTACT APPLICATION ONLY: (Not For Residual Control Of Fleas, Ticks and Bedbugs)

FLEAS, BROWN DOG AND LONE STAR TICKS ON DOGS, CATS AND PREMISES: Spray animals along back, under forelegs and on other areas, except scrotum and anus. Part hair to contact skin

and insure good coverage. Hold nozzle 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 and 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.

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. For persistent infestations, consult professional applicator.

PESTS OUT-OF-DOORS

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 active 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: For outdoor use only as 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, LONESTAR TICKS, CRICKETS, FLEAS, AND EARWIGS: 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.

FOR USE ON PLANTS

CONTACT AND RESIDUAL SPRAY- Apply spray to plants covering all foliage. Avoid heavy wetting.

INDOORS: To protect plants in greenhouses and lathouses, and for indoor landscaping- Spray directly on insects to kill leafrollers, armyworms, cutworms, cabbage worms on chrysanthemums; fungus gnats on velvet plants. Spray as directed above. Spray as directed above to control aphids, armyworms, corn earworms, fall cankerworms, inchworms, Japanese beetles, leafminers, leafrollers, and whiteflies on the following plants.

Ageratum	English Ivy	Piggy-back plant
Ardisia	Fuchsia	Poinsettia
Asier	Glaucolus	Portulaca
Azalea	Grape Ivy	Pothos

Baby's breath
Begonia
Birds-nest fern
Bleeding heart
Carnation
Coleus
Crown of thorns
Cockscomb
Cyclamen
Dracaena
Dumbcane

Hypoestes
Ivy
Juniper
Lily
Marigold
Orchid
Palms
Pansy
Piperomia
Petunia
Philodendron

Prayer Plant
Purple Passion
Rabbits foot fern
Rose
Schaffera
Snapdragon
Snake Plant
Statice
Velvet Plant
Verbena
Zinnia

If application is to be made indoors, remove infested plants from living areas prior to application. Spray plants in an area not likely to be occupied by children or pets (particularly fish). When leaves dry, plants can be returned to original location.

Use with CAUTION on ferns, palms and fuchsias. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars, and therefore, a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury.

Repeat applications may be necessary to control citrus black flies on non-bearing citrus; adult Japanese beetles on roses.

OUTDOORS: Spray as described above in the late afternoon or evening, when the temperature ranges from 50°F to 75°F and when there is little or no wind. Spray at the first indication of insect pests. On those plants that will flower during the season, the spray schedule should be completed before blossom formation. Repeat as necessary; use intervals of 4 to 8 days. PRAMEX application can be made up to the day of collection.

Spray as directed above to control aphids, cicadas, corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, mealybugs, spider mites, exposed thrips and whiteflies on the following plants:

Ageratum	Gold bells	Pea shrub
Azier	Hypoestes	Petunia
Azalea	Ivy	Philodendron
Begonia	Juniper	Poinsettia
Coleus	Lilac	Rhododendron
Common ninebark	Marigold	Rose
Common snowberry	Mock Orange	Snapdragon
Exacum	Nannyberry	Taxus
Euonymus	Orchid	Wax plants
English Ivy	Palm	Weeping fig
Glaucolus	Pansy	Zinnia

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed (usually late spring). For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Aim spray directly at tents, and saturate on all sides. Repeat as necessary.

WARRANTY STATEMENT

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use. Results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage resulting from its misuse as such, or in combination with other materials.