

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chase Products Company
PO Box 70
Maywood, Il 60153

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)(D) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase, "EPA Registration No.498-144" to your label before you release the product for shipment:

Submit complete details of the test on which the claim - puts out flame - is based in relation to flash point/flame extension. Identify the test substance.

3. Submit five (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.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

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,

Rfm

Richard F. Mountfort
Product Manager 10
Insecticide & Rodenticide Branch
Registration Division (H7-05C)

FRONT PANEL

SPRAYPAK®

FLYING & CRAWLING INSECT KILLER

FORMULA

ACCEPTED
with COMMENTS
in EPA Letter Dated
FEB 21 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
498-111-1

A Synthetic pyrethroid for controlling flying and crawling insects in and around households, greenhouses, buildings, vehicles, boats, kennels and stables. See back panel for list of pests.

ACTIVE INGREDIENTS:

- *Resmethrin 5-(phenylmethyl)-3-furanyl methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate..... 0.2%
- *d/l-allethrolone d-trans chrysanthemate..... 0.4%
- **Piperonyl Butoxide, technical..... 1.6%

INERT INGREDIENTS:.....97.8%

100.0%

- ESBIOTHRIN - Min. 72% d-trans-Chrysanthemum monocarboxylic ester of d-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one. Max. 28% Other isomers.
- *Cis/trans isomers ratio: max. 30% (±) cis and min. 70% (±) trans.
- **Equivalent to 1.28% (Butylcarbityl)(6-Propylpiperonyl)ether and 0.32% related compounds.

EPA Reg. No. 498-

EPA Est. No. 498-11-1

NET WT.

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**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE SIDE PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS AND
STATEMENT OF PRACTICAL TREATMENT

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

CAUTION

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Harmful if swallowed or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin and eyes. Do not apply directly to food. In commercial food handling facilities, cover or remove any food and food processing equipment during application. Do not apply while food processing is underway. After space spraying in bakeries and other food processing plants, wash all equipment, benches, shelving, etc. where exposed food will be handled, thoroughly with an effective cleaning compound and rinse with potable water. In the home, all food processing surfaces and utensils should be covered during treatment, or thoroughly washed before use. Remove pets, birds and cover fish aquariums before spraying.

STATEMENT OF PRACTICAL TREATMENT

For skin and eyes: In case of contact, immediately flush eyes and skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Contents are under pressure. Do not puncture or incinerate container. Do not use or store near heat or open flame. Exposure to temperatures above 130°F (54.5°C) may cause bursting.

DIRECTIONS FOR USE

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

A Synthetic pyrethroid for controlling the following flying and crawling insects in and around households, greenhouses, buildings, vehicles, boats, kennels and stables.

FLYING INSECTS

- house flies
- mosquitoes
- gnats (midgits)
- deer flies
- stable flies
- fruit flies
- wasps
- hornets
- bees
- yellow jackets
- flying moths (millers)

CRAWLING INSECTS

- cockroaches
- bedbugs
- ticks
- ants
- crickets
- silverfish
- boxelder bugs
- waterbugs
- lice
- earwigs
- spiders
- sowbugs
- centipedes
- millipedes
- grain mites
- grain insects
- fleas

PLANT PESTS

- | | | | |
|-------------------|------------------|-------------------|------------------|
| aphids | spittlebugs | leaf beetles | weevils |
| thrips | lace bugs | gypsy moths | rose slugs |
| whiteflies | Japanese beetles | tussock moths | spider mites |
| leafhoppers | mimosa webworm | oakworms | red spider mites |
| two-spotted mites | armyworms | sawflies | cutworms |
| plant bugs | budworms | tent caterpillars | |

BACK PANEL (Continuation)

FOR USE INDOORS AND OUTSIDE PREMISES OF HOTELS, MOTELS, HOMES, PRESCHOOLS, NURSERIES, DAY CAMPS, GREENHOUSES, LATHHOUSES, SEED HOUSES, FOOD HANDLING STABLISHMENTS, PACKAGING AND PROCESSING PLANTS, COMMERCIAL, INDUSTRIAL, OFFICE, INSTITUTIONAL AND STORAGE BUILDINGS, MILK HANDLING AREAS OF MILK PLANTS, MILK STORAGE ROOMS, EGG PROCESSING PLANTS, SUPERMARKETS, RESTAURANTS, BOTTLING PLANTS, CANNERIES, FLOUR AND FEED MILLS, BAKERIES, BOATS, SHIP CABINS AND HOSPITALS.

IN HOSPITALS: PATIENTS SHOULD BE REMOVED PRIOR TO TREATMENT. VENTILATE ROOMS FOR 2 HOURS BEFORE RETURNING PATIENTS. ALSO FOR USE IN CAMPERS, MOBILE HOMES, BUSES, AUTOMOBILES, TRUCKS, BOX-CARS AND SHIP CARGO HOLDS. ALSO FOR USE IN DOG KENNELS AND HORSE STABLES. IN HORSE STABLES: NOT FOR APPLICATION IF HORSES WILL BE USED FOR FOOD. DO NOT SPRAY DOG AND HORSE FOOD OR FEED ITEMS.

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Shake well before using. remove protective cap. Aim spray opening away from person. Push button to spray.

INDOORS: For use in households, commercial and institutional buildings, greenhouses and lathhouses, campers, mobile homes, vehicles and boats, as listed above.

TO KILL FLYING INSECTS: House flies, mosquitoes, gnats(midgets), deer flies, stable flies, flying moths(millers),fruit flies. Close 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.

TO KILL WASPS, HORNETS, YELLOW JACKETS, BEES: Applications should be made in 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.

TO KILL CRAWLING INSECTS: Fleas, cockroaches(waterbugs), crickets, silverfish, boxelder bugs, earwigs, spiders, sowbugs, centipedes, millipedes, grain mites and grain insects(adults and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths, Indian meal moths): Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

GRAIN INSECTS: For control of the insect pests listed above, remove and destroy infested grain, cereal and flour. 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. In homes, dispose of all infested products. The shelves and drawers should be cleaned and thoroughly aplayed so as to contact all pests, and covered with shelf paper after allowing the shelves to dry. Any utensils that are contacted with spray should be washed before using. Repeat as necessary.

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TO KILL SPIDERS: Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

TO KILL ANTS: Spray doors, around window frames, ant trails and hills.

TO KILL BEDBUGS AND LICE: 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 pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

TO KILL FLEAS & TICKS ON DOGS, CATS & PREMISES: Apply directly to animals along back, under forelegs and other areas except scrotum and anus. Part hair to contact skin and insure good coverage. Hold nozzle about one foot away while spraying. Apply until hair is thoroughly moist. Do not spray in eyes or mouth of animal. Repeat within 24 hours of first treatment if necessary. To reduce reinfestation, thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of 2 seconds per linear foot (0.3m) at a distance of 12 to 18 inches (30 to 46cm). Also spray the entire inside surface of dog houses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible.

TO PROTECT ORNAMENTAL PLANTS in greenhouses, lathhouses, homes, commercial and institutional buildings and for indoor landscaping: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, lace bugs, leafhoppers, plant bugs, spittle bugs, two-spotted mites, red spider mites, spider mites, cutworms and rose slugs on the following plants:

- | | | |
|------------------|----------------|---------------|
| African violet | dumbcane | mayten tree |
| ageratum | fatshedera | nasturtium |
| amaranth | asparagus fern | petunia |
| false azalea | fuchsia | philodendron |
| begonia | geranium | pothos |
| Christmas cactus | heliotrope | rose |
| chrysanthemum | hibiscus | snapdragon |
| cockscomb | impatiens | silver vase |
| coleus | ivy | toyon |
| gold dust croton | jade | verbena |
| cup flower | Jacob's ladder | umbrella tree |
| daisy | lilac | wax plant |
| daphne | lobelia | zinnia |
| dracaena | marigold | |

CONTACT SPRAY FOR PESTS LISTED ABOVE: Hold container 18 inches (46cm) from infested plants. Spray in short bursts from one to three seconds, or spray at the rate of 1 linear foot (0.3m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. If application is made indoors, remove infested plants from living and eating areas prior to spray application. Spray several plants at once and in an area not likely to come in contact with pets, children or food. When leaves dry, plants can be returned to original position. If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils. Shut off ventilating systems, air ducts and air conditioning equipment. Avoid spray contact with surrounding surfaces in area. Leave the sprayed area after treatment and ventilate.

(BACK PANEL (Continuation))

USE WITH CAUTION on African violet, ash, azalea. Reiger begonia, browalia, caenothus, camelia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry and quince, oxalis, jade and primrose. As with all plants 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.

OUTDOORS: For use around residential, commercial and institutional buildings, gardens, greenhouses, yards, patios, mobile homes, campers, boats and swimming pools for controlling household and plant pests listed below.

To kill house flies, mosquitoes, gnats(midges), deer flies, stable flies, flying moths(millers), fruit flies: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 61 cm) from shrubs, bushes and grassy areas. Spray these areas with a slow sweeping motion at the rate of from 1 to 3 seconds per cubic yard(0.77 m³) of space while moving away from treated areas. Treat open porches and patios in a similar manner. Spray only when the air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

Wasps, hornets, yellow jackets, bees: Same as directed above for indoor use. Application should be made late in the 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. Repeat as necessary

Ants and fleas: Same as directed above for indoor use.

Crickets, silverfish, earwigs, boxelder bugs, spiders, sowbugs, centipedes, and millipedes: Same as directed above for indoor use.

TO PROTECT ORNAMENTAL PLANTS: Spray directly on insects as directed below to kill aphids, exposed thrips, whiteflies, leafhoppers, Japanese beetles, plant bugs, spittlebugs, two-spotted mites, red spider mites, lace bugs on :

althea	maple	rhododendron
white birch	mimosa	spirea
cypress	non-bearing citrus	spruce
dogwood	and cranberry	toyon
euonymous	oak	also:
forsythia	palm	mimosa webworm
hemlock	viburnum	on mimosa
holly	pine	
locust	pyracantha	

To kill armyworms, budworms, leaf beetles, gypsy moths, tussock moths, oakworms, sawflies, tent caterpillars, and weevils on the above plants: also rose slugs on roses, spider mites on chrysanthemums, cutworms of gladiolus and petunia. To kill aphids, exposed thrips, adult whiteflies, leafhoppers, plant bugs, spittlebugs, lace bugs and Japanese beetles on:

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African violets
ageratum
begonia
broadleaf acacia
chrysanthemum
coleus
daisy

daphne
fatshedera
geranium
honeysuckle
iris
ivy
marigold

nasturtium
peony
philodendron
queen sago
roses
snapdragon
tobira
zinnia

Contact Spray Directions For Above Pests: Hold container 18 in (46cm) from the infested plants. Spray in short bursts from 1 to 3 seconds or spray at the rate of 1 linear foot (0.3m) of growth per second. Direct spray to all sides covering foliage until slightly moist. Avoid heavy wetting. Repeat as necessary to obtain control. For adult whiteflies and two-spotted mites be sure to direct spray to contact pests. Thoroughly cover the infested area. Use several repeat applications at two-day intervals, if necessary. **Use With Caution:** on African violet, ash, azalea, Reiger begonia, browalia, caenothus, camellia, columnea, cotoneaster, cyclamen, cypress, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry, flowering quince, oxalis, jade, primrose and rose, including hybrid tea rose. These plants may be subject to leaf and flower burn under certain conditions of use. As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars and therefore a wide range of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

STORAGE AND DISPOSAL

STORAGE: Store in a cool dry area away from heat and open flame.
DISPOSAL: Do not reuse empty container. Wrap container and put in trash. Do not incinerate or puncture.

WARRANTY STATEMENT

Our recommendations for use of this product are based on tests believed to be reliable. If not used in accordance with directions or established safe practice, no guarantee expressed or implied is made to the effects. The buyer must assume all responsibility from the misuse of this product or in combination with other materials.

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