

PM13

432-763

174

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 16 1995

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5482739

Ms. Sharon M. Johnston  
AgrEvo Environmental Health  
95 Chestnut Ridge Road  
Montvale NJ 07645

Dear Ms. Johnston:

Subject: Label Amendment: Addition of Fire Ants  
K-Othrine SC Insecticide  
EPA Registration No.432-763  
Your Submission dated January 25, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

We note that the efficacy study (MRID No. 435307-01) in support of this submission is also acceptable.

At the next label printing relocate the paragraph beginning ..... "In the home cover all food .....etc.", under Food Handling Establishments to the Directions for Use following the sentence ..... "Do not apply to classrooms when in use".

Sincerely yours,

*for* George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

# K-OTHRINE® SC

## INSECTICIDE

- \* RECOMMENDED FOR USE BY PEST CONTROL OPERATORS AND/OR COMMERCIAL APPLICATORS
- \* FOR RESIDENTIAL, INDUSTRIAL AND INSTITUTIONAL CONTROL OF MAJOR NUISANCE PESTS LISTED ON BACK PANELING OF LABEL

### ACTIVE INGREDIENTS:

(s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-  
3-(2,2-dibromovinyl)-2,2-dimethyl-  
cyclopropanecarboxylate<sup>1</sup> .....4.75%

INERT INGREDIENTS: .....95.25%  
100.00%

K-Othrine is a registered trademark of Roussel UCLAF, Paris, France.  
Deltamethrin

**PRECAUCION AL CONSUMIDOR:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 432-763

EPA EST. NO.

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

### STATEMENT OF PRACTICAL TREATMENT

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

See Side Panel for Additional  
Precautionary Statements

NET CONTENTS:

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

##### CAUTION

Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse.

#### Environmental Hazards

This product is extremely toxic to fresh water and estuarine fish and invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwater.

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Avoid extremes in temperature.

**Storage:** Mix as needed. Do not store diluted material. Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL LESS THAN ONE GALLON:** Securely wrap container in several layers of newspaper and discard in trash.

**Container Disposal For Non-Refillable Container:** Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Container Disposal For Refillable Containers:** Replace the dry disconnect cap if applicable, and seal all openings which have been opened during use. Return the empty container to a collection site designated by Roussel Uclaf Corporation. If the container has been damaged and cannot be returned according to the recommended procedures, contact \_\_\_\_\_ at \_\_\_\_\_ to obtain proper handling instructions.

### DIRECTIONS FOR USE

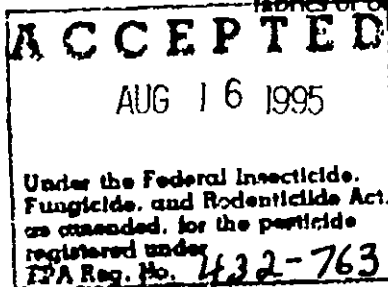
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### General Information:

K-Othrine SC Insecticide is a suspended concentrate insecticide containing 4.75% by weight active ingredient which will provide effective knockdown and long residual control of the pests listed on this label.

K-Othrine SC Insecticide does not damage paint, plastics, fabrics or other surfaces where water alone causes no damage.

**ROUSSEL UCLAF**  
Roussel Uclaf Corporation  
95 Chestnut Ridge Road  
Montvale, Nj 07645



K-Othrine SC Insecticide is intended for use in and around residential, industrial and institutional structures and their immediate surroundings and on various modes of transportation. Permitted areas of use include, but are not limited to;

- stores and institutions
- industrial buildings and installations
- houses
- unoccupied poultry houses, horse stalls, cattle barns
- buses
- laboratories
- mausoleums
- apartments

and the non-food areas of:

- schools
- trucks
- warehouses
- hotels
- aircraft
- restaurants
- food manufacturing, processing and servicing establishments
- railcars
- ships and vessels

Treatments may be applied at 21-day intervals or as necessary to maintain adequate control. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use.

#### MIXING INSTRUCTIONS:

K-Othrine SC is intended to be mixed with water and applied with hand pressurized or power operated sprayers, such as Actisol® equipment, as a coarse spray. When diluting, add approximately half the water to the spray tank and the appropriate amount of K-Othrine SC; agitate; add remaining water. Thoroughly agitate the sprayer before using to insure proper suspension. Re-invert sprayer before use if spraying is interrupted. If spray screens are used, they should be 50 mesh or larger. Dilute K-Othrine SC insecticide only with water.

**DOSAGE CHART:** This product is intended for dilution prior to applications as directed in the table below.

Pests	Concentration of Active Ingredient	Dilution Rate Per Gallon of Final Spray
ants, bees, centipedes, cockroaches (maintenance rate), flies (including such flies as stable, house, cluster and horse flies), firebrats, gnats, hornets, killer bees, midges, millipedes, mosquitoes, pantry pests, silverfish, yellow jackets, wasps	0.03% w/w	0.75 fluid oz. <sup>1</sup>
bedbugs, carpet beetles, cockroaches (clean out rate), crickets, fleas, lice, pillbugs, scorpion, sowbugs, spiders, ticks	0.06% w/w	1.5 fluid oz. <sup>2</sup>
termites (Formosan & Eastern subterranean - localized control only)	0.06% w/w	1.5 fluid oz. <sup>2</sup>
carpenter ants	0.03% w/w	0.75 fluid oz. <sup>1</sup>

<sup>1</sup> 0.75 fluid oz. = 22.7 milliliters

<sup>2</sup> 1.5 fluid oz. = 45.4 milliliters

#### GENERAL PEST CONTROL INDOORS

Treat specific areas that insects inhabit or are frequently seen. Apply only in well ventilated areas. Use 0.75 or 1.5 fluid ounces of K-Othrine SC Insecticide in sufficient water to adequately cover 1,000 square feet, but which will not allow dripping or run-off to occur. Under conditions of severe pest infestation, when quicker knockdown and/or longer residual control is desired, use one gallon of 0.06% K-Othrine SC per 1,000 sq ft.

#### PREMISE PEST CONTROL

**Cockroaches, Ants, Crickets, Silverfish, Firebrats, Centipedes, Millipedes, Cloth Moths, Earwigs, Pillbugs, Sowbugs, Scorpions and Spiders:** Apply as a coarse, low pressure spot or crack and crevice spray to areas that these pests normally inhabit. Pay particular attention to dark corners of rooms and

closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, and cabinets; around plumbing and other utility installations, doors, windows and in attics and crawl spaces. Applications may be made to floor surfaces along baseboards and around air ducts, however, do not treat entire floor area or floor covers. Let surfaces dry before allowing children and pets to contact surfaces.

#### PANTRY PEST CONTROL:

To kill adult and accessible stages of insect pests such as *Lesser Grain Borers, Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Merchant Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moth, Indian Meal Moth, Grain Mites And Spider Mites*. Make application to cupboards, shelving and storage areas. Remove all food stuffs, all utensils, shelf paper and other objects before spraying. Allow all treated surfaces to dry and cover shelves with clean paper prior to replacing food stuffs, utensils or other items. Any food stuff accidentally contaminated with any spray solution should be discarded.

**ANTS:** Apply to trails, around doors and windows and other areas where ants inhabit or enter premises.

**BEDBUGS AND LICE:** Remove linens and wash before reuse. Apply to mattresses, especially tufts, folds, and edges, until moist. Apply to the interior of the frame. Allow to dry before remaking bed.

**FLIES, MIDGES, GNATS AND MOSQUITOES:** Apply directly to walls, ceilings, window screens and other resting areas as a residual surface treatment. May be used inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied poultry houses, horse stables and cattle barns.

**FLEAS, CARPET BEETLES AND TICKS:** A total management program is recommended. It is suggested that infested areas be thoroughly vacuumed prior to treatment. These areas include all carpet, upholstered furniture, baseboards and other indoor areas frequented by pets. The vacuum cleaner bag should be discarded in an outdoor trash container upon completion. Pet bedding should be cleaned or replaced.

Thoroughly apply K-Othrine SC to rugs, carpets, upholstered furniture, pet beds, floor coverings, pet resting areas and other infested habitats. The quantity of finished spray required is dependent upon carpet/fabric density. Provide uniform coverage, apply until infested area is moist.

Effective **Flea** control includes controlling the source of flea infestations. This can require treatment of pets with an EPA approved product registered for such use and treating outside areas frequented by pets. K-Othrine SC can also be applied out-of-doors for flea control. **Do not treat pets with this product.** Do not allow pets to contact treated areas until spray has dried.

**TERMITES, CARPENTER ANTS AND CARPENTER BEES:** (For localized control only.) Apply spray/dilution to voids or channels in damaged wooden members of a structure, or to cracks, spaces or bearing joints between wooden members of a structure or between such members and the foundations, in locations vulnerable to attack such as crawl spaces. Drilling may be necessary prior to applying K-Othrine SC to voids, cracks or joint spaces in vulnerable locations and to channeled sections of wood but it must be recognized that such drilling and treating of a timber in place may not result in complete coverage of infested and vulnerable voids or galleries. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged. Inspect at 6 months and 1 year to insure that the colony has been killed. Retreat if needed.

The purpose of such applications of K-Othrine SC is to kill workers or winged reproductive forms which may be present in the treated channels at the time of treatment; and to impart a temporary resistance at these places of attack which may aid in the prevention of immediate reinfestation. Such applications are not a substitute for mechanical alteration, soil treatment or foundation treatment but are merely a supplement, particularly where use of other insecticides may pose an odor problem.

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

Do not apply solution until location of heat or air conditioning ducts, vents, water and sewer lines and electrical conduits are known and identified. When located, applications may be made around these structures. However, caution must be taken to avoid contamination of these structural elements and airways.

#### FOOD HANDLING ESTABLISHMENTS

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 where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held. Do Not Use In USDA Meat and Poultry Plants.

In the home, cover all food handling surfaces and cover or remove all food and cooking utensils, or wash thoroughly after treatment. Exposed food should be covered or removed.

NONFOOD AREAS: K-Othrine SC may be applied as a general, spot or crack and crevice treatment in nonfood areas. Non-food/feed establishment areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). All areas that insects inhabit or through which insects may enter should be treated.

#### GENERAL PEST CONTROL OUTDOORS

Use K-Othrine SC Insecticide to control outdoor pests by application as either a perimeter treatment or as a residual spray in residential settings.

#### RESIDUAL SPRAY:

*Ants, Cockroaches, Crickets, Scorpions and Spiders, Flies, Wasps, Hornets, Bees, Killer Bees, Yellow Jackets and Mosquitoes.* Apply K-Othrine SC as a coarse low pressure spray to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns (grass areas adjacent or around private homes).

PERIMETER TREATMENTS: To help prevent infestation of buildings, apply K-Othrine SC where pests are active and may find entrance. For example, treat a band of soil or lawn up to 6 - 10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.75 fl oz. or 1.5 fl oz. of K-Othrine SC in sufficient water to adequately cover 400 sq. ft (consult dosage chart). Thoroughly and uniformly wet the barrier area.

FLEAS AND TICKS: Apply K-Othrine SC as a coarse wet spray to areas where fleas and ticks are most likely to be found, such as by not limited to, dog houses, kennels, runways, cracks and crevices in sidewalks, paths or patios, under plants, shrubs, bushes, trees, or other shaded, moist areas where pests may rest in a residential setting.

NOTE: Do not use water base sprays of K-Othrine SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard. Thoroughly wash out sprayer and screen with detergent and warm water before and after use. Do not mix this product with oil. **Do not apply this product to edible crops.**

FIRE ANTS: Apply K-Othrine SC as a drench. Dilute 1.5 oz. per 2 gallons of water. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2 foot diameter. For best results, apply in cool weather, 65 to 60°F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.