



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (M7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

432-763

Date of Issuance:

MAR - 2 1994

NOTICE OF PESTICIDE:

 X Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

K-OTHRINE SC 5.0
INSECTICIDE

Name and Address of Registrant (include ZIP Code):

ROUSSEL UCLAF CORPORATION
95 CHESTNUT RIDGE ROAD
MONTVALE, NEW JERSEY 07645

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 unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Make the following label changes before you release this product for shipment provided that you:

- a. Add the phrase EPA Registration Number "EPA Reg. No. 432-763. "
- b. The statement "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark" must follow the first sentence in the environmental hazard section.
- c. Since this product is formulated for use by Pest Control Operators, add to the upper front panel of the labeling below the product's name the following statement:
"RECOMMENDED FOR USE BY PEST CONTROL OPERATORS AND OR COMMERCIAL APPLICATORS."
- d. The precautionary statement must be revised to read as follows:

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

Signature of Approving Official:

YTL

Date:

MAR - 2 1994

2910

page 2
EPA Reg. No. 432-763

Note that you may delete the proposed language regarding acute oral, dermal and eye exposures since the data indicates Toxicity Category IV for these routes of exposure.

- e. Based on the results of the acute toxicity database, a statement of Practical Treatment is required only for inhalation instructions. Thus the following statement must be added under the Statement Of Practical Treatment subheading:

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

If you decide to keep the other statements of practical treatment currently on the proposed labeling, these statement must follow the inhalation statement.

- f. The labeling ingredient statement must total 100%, not 103%.

2. In regard to the product chemistry and confidential statement of formula (CSF), the following comments apply:

- a. The percent by weight (wt) and lower certified limits of individually added inerts cannot be the same. There must be reasonable variations. Correct and resubmit. The label claim for the active ingredient cannot be the same. Correct and resubmit. In addition, delete "5.0" in the product's name or replace with the nominal percent.

3. Submit three (3) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

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

Enclosure:

3910

K-OTHRINE® SC 5.0

INSECTICIDE

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-cyclopropanecarboxylate¹.....4.75%

INERT INGREDIENTS:.....98.25%
100.00%

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

¹Deltamethrin

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.)

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

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

EPA Reg. No. 432-

EPA Est. No.

NFT CONTENTS:

LOT NO.

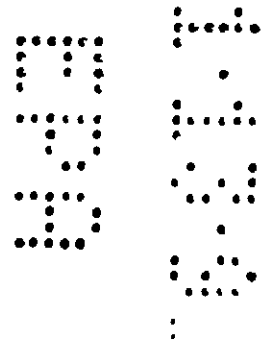
ROUSSEL UCLAF CORPORATION
P.O. Box 1077, 400 Sylvan Avenue
Englewood Cliffs, N.J. 07632

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR - 2 1994

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

432-763



STATEMENT OF PRACTICAL TREATMENT

- If in eyes: Flush with plenty of water. Call a physician if irritation persists.
- If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.
- If swallowed: Call a Physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Environmental Hazards

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

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

K-Othrine® SC 5.0 Insecticide does not damage paints, plastics, fabrics or other surfaces where water alone causes no damage.

K-Othrine® SC 5.0 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 | • buses |
| • industrial buildings and installations | • laboratories |
| • houses | • mausoleums |
| • unoccupied poultry houses, horse stalls, cattle barns | • apartments |

and the non-food areas of:

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

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.

691c

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.

<u>PESTS</u>	<u>CONCENTRATION OF ACTIVE INGREDIENT</u>	<u>DILUTION RATE PER GALLON OF FINAL SPRAY</u>
ants, bees, centipedes, cockroaches (maintenance rate) cloth moths, earwigs, 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	.03% w/w	0.75 fluid oz. ¹
bedbugs, carpet beetles, cockroaches (clean out rate) crickets, fleas, lice, pillbugs, scorpions, sowbugs, spiders, ticks	.06% w/w	1.5 fluid oz. ²
termites (Formosan & Eastern subterranean- localized control only)	.06% w/w	1.5 fluid oz. ²
carpenter ants	.03% w/w	0.75 fluid oz. ¹

¹ 0.75 fluid oz. = 22.7 milliliters

² 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 5.0 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.

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. Nonfood/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 5.0 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, but 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.

Warranty Statement:

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

P - 10/20/92