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ACCEPTED  
with COMMENTS  
in EPA Letter Date:

NOV 2 1984

Under the provisions of the  
Federal Insecticide, Fungicide,  
and Rodenticide Act, this product  
is registered under EPA Reg. No. 2724-314

2724-314

**RESTRICTED USE PESTICIDE**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

doors and windows, in wall voids and other places where ants are found or may enter the premises. Where accessible, treat ant nest or infested wood directly. Infestation is normally brought under control with one cleanup treatment. However, in cases where low infestation levels persist, follow up cleanup with monthly treatments of 0.5% a.i. spot applications until infestation is completely controlled.

**Spiders:** Apply as a 1.0% a.i. spot or crack and crevice treatment around windows and doors, along baseboards, and in corners. Make a spot application to other areas where spiders are seen or suspected.

**Fleas:** Apply as a 0.5% a.i. fine spray to infested rugs, floor coverings and upholstered furniture, taking care to treat between and under cushions of furniture and under edges of floor coverings where possible. Use approximately 1 gal. of finished spray per 1500 sq. ft. Entire rugs may be treated. Pet beds and frequented resting areas including adjacent cracks and crevices should also be treated. Old bedding should be removed and replaced with clean fresh bedding after premises are treated. Do not treat pets with this product. Keep all persons and pets out of treated area until spray mixture has dried.

**Brown Dog Ticks:** Apply as a 0.5%-1.0% a.i. fine spray to infested areas such as those indicated above for Fleas. Allow 48 hours of exposure to treated surfaces for control to be evident. Do not treat pets with this product. Keep all persons and pets out of treated area until spray mixture has dried.

**Carpenter Beetles:** Apply as a 0.5%-1.0% a.i. spot application along baseboards and edges of carpeting, under rugs and furniture, and in closets or shelving where these insects are seen or suspected.

**Boxelder Bugs, Earwigs, Ground Beetles:** Apply as a 1.0% a.i. spot or crack and crevice treatment around windows, doors and along baseboards. Make a spot application to other areas where these insects are seen or suspected.

**Pantry Pests-Exposed Stages (Sawtoothed Grain Beetle, Red Flour Beetle, Confused Flour Beetle, Cigarette Beetle):** Remove all foodstuff, utensils and shelf paper from area to be treated. Discard used shelf paper and any infested foodstuffs. Apply a 1.0% a.i. spray to shelves and cupboards. Allow spray to dry. Apply fresh shelf paper prior to replacement of food and utensils.

**Food Handling Establishments:** In food areas of such establishments, application is limited to spot or crack and crevice treatments. Food areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing system (mills, dairies, edible oils, syrups). Serving areas when food is exposed and facility is in operation are also considered a food area. Prepare a SAFROTIN spray-mix diluted with water as directed above and apply in small amounts directly into cracks and crevices using equipment capable of delivering a pinstream of insecticide in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases where Cockroaches, Ants, Silverfish, Firebrats, Spiders and Crickets hide. Spot treatment may also be made to areas where any of the above pests occur such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas. Make low pressure applications to avoid contamination of food or food processing surfaces. Repeat treatment as needed but not more than once every 7 days. Do not use SAFROTIN oil diluted spray more in food areas of food handling establishments. SAFROTIN EC is authorized by the USDA for use in federally inspected meat and poultry plants. For applications in nonfood areas of food handling establishments, refer to instructions given above for the pest in question.

**safrotin**<sup>®</sup>  
Emulsifiable Concentrate Insecticide

For Control of Cockroaches  
and Other Pests

**ACTIVE INGREDIENT:**  
propetamphos [(E)-1-methylethyl 3-[(ethylamino) methoxyphosphinothioyl]oxy]-2-butenolate] ..... 50%  
**INERT INGREDIENTS \*** ..... 50%  
..... 100%

\*contains petroleum distillates

**Keep Out of the Reach of Children**

**WARNING**

See side panel for additional precautionary statements, first aid treatments, and directions for use.

Seller makes no warranty express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

ZOECON INDUSTRIES  
A Division of Zoecon Corporation  
12200 Denton Drive  
Dallas, Texas 75234

LOT \_\_\_\_\_  
NET 1 QT.

EPA REG. NO. 2724-314  
EPA EST. 2724-TX-1

**PRECAUTIONARY STATEMENTS AND FIRST AID TREATMENT**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS — WARNING:** Harmful or fatal if swallowed, inhaled or absorbed through skin, eyes or clothing. In the case of any suspected poisoning, either internal or external, consult a physician immediately. If swallowed, drink one to two glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. If in eyes, flush with water for 15 minutes. If on skin, wash with soap and water. If on clothing, remove and wash separately. **NOTE TO PHYSICIAN:** Propetamphos, an organophosphate compound, is a cholinesterase inhibitor. Atropine with 2-PAM is the emergency antidote if symptoms of cholinesterase inhibition are present.

**Avoid breathing vapor or spray mist.** In case of skin contact, remove patient from area. Remove all contaminated clothing and wash skin gently and repeatedly with soap and water. In case of eye contact, flush immediately with water. Continue flushing for at least 15 minutes.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use, pour or store near heat or open flame. Preparation of the spray mixture and loading of application equipment must be done in open air in case of prolonged exposure, wear rubber gloves, protective clothing, and goggles. Wash hands, arms, and face thoroughly with soap and water before eating or smoking. Wash contaminated clothing with soap and hot water before re-use. In case of spillage, cover with absorbent material such as clay or sawdust. Sweep up and bury. Then wash area with strong detergent.

**DIRECTIONS FOR USE —** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**General Information:** SAFROTIN provides effective control of listed pests in and on buildings and structures and their immediate surroundings and on modes of transportation. Permitted sites of application include but are not limited to homes, apartment buildings, store warehouses, schools, nursing homes, hospitals, industrial buildings, vessels, rail cars, truck trailers and aircraft. SAFROTIN may also be used in food handling establishments. SAFROTIN mixes easily with water or oil (deodorized kerosene or other suitable base oil) and may be applied with most sprayers. Diluted spray mixture can be stored overnight and applied if following day, but mixture should be agitated well prior to application to prevent the uneven distribution of product. Do not apply as a space spray. SAFROTIN in recommended dilution is nonstaining and does not cause damage to fabrics, plastics, paints, or other surface which cannot be damaged by the carrier alone.

Do not apply water-base sprays of this product where electrical short circuits might result, there is a need to treat such areas, use only oil-base sprays.

**Specific Instructions:** Prepare a SAFROTIN spray-mix equal to a 0.5-1.0% concentration active ingredient per gallon of finished solution according to the following dilution table:

To make 1 gallon of finished spray equal to:	Dilution Rate
0.5% Concentration	Use 1.25 oz. per gallon of water or oil
1.0% Concentration	Use 2.50 oz. per gallon of water or oil

Where a rate range is indicated below, use the low rate for light infestations or month maintenance sprays, and the higher concentration for heavy infestations, initial cleanup, where a longer period of residual control is desired.

**Cockroaches, Ants, Crickets, Firebrats, Pillbugs, Sowbugs, and Silverfish:** Apply as 0.5%-1.0% a.i. spot or crack and crevice treatment where these pests normally occur such as baseboards, storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks and stoves, the underside of shelves, drawers and similar areas. For control of ants, apply spray mix to ant trails, around doors and windows and other places where ants may enter structures.

**Carpenter ants:** For initial cleanup, apply a 1.0% a.i. spot treatment to ant trails, around

Zoecon Industries  
12200 Denton Drive  
Dallas, TX 75234

Gentlemen:

Subject: Satrotin EC Insecticide  
EPA Reg. No. 2724-314  
Your Application Dated September 12, 1984  
Request for Alternate Formulations  
Your Application Dated October 31, 1984  
Label revisions

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

1. Please note that the two alternate formulations containing either of the glycol ethers are not acceptable. Refer to the attached review for clarification.
2. The statement "Contains petroleum distillates" must appear on the labeling, as a footnote to the inert ingredients statement, of any product containing the accepted alternate formulations before these products are introduced into channels of trade.

Sincerely,



William H. Miller  
Product Manager (16)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure: Stamped Label

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in EPA I

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Fungible  
as amended  
registered un

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**RESTRICTED USE PESTICIDE**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

**Safrotin**<sup>®</sup>  
Emulsifiable Concentrate Insecticide

**For Control of Cockroaches  
and Other Pests**

**ACTIVE INGREDIENT:**  
propetamphos (E)-2-methylethyl 3-[(cymosaminyl)methoxyphosphinoyl]propyl-2-butenoate 50%  
**INERT INGREDIENTS** 50%  
100%

\*contains petroleum distillates  
**Keep Out of the Reach of Children**

**WARNING**

See side panel for additional precautionary statements, first aid treatments, and directions for use.  
Seller makes no warranty express or implied concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

ZOECON INDUSTRIES  
A Division of Marion Corporation  
2200 Denton Drive  
Dallas, Texas 75234

LOT  
**NET 1 QT.**

EPA REG. NO. 2724-314  
EPA EST. 2724-TX-1

**PRECAUTIONARY STATEMENTS AND FIRST AID**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Swallowed, inhaled or absorbed through skin may cause poisoning, either internal or external, depending on the amount of water and other fluids consumed. Do not induce vomiting or give any food or drink until a physician is consulted. Do not breathe vapors or spray mist. In case of eye contact, flush immediately with water. **PHYSICAL AND CHEMICAL HAZARDS:** Do not mix with other pesticides. Do not mix with acids. Do not mix with alkalis. Do not mix with oxidizing agents. Do not mix with flammable liquids. Do not mix with petroleum distillates. Do not mix with strong acids. Do not mix with strong alkalis. Do not mix with strong oxidizing agents. Do not mix with strong reducing agents. Do not mix with strong acids. Do not mix with strong alkalis. Do not mix with strong oxidizing agents. Do not mix with strong reducing agents.

doors and windows, in wall voids and other places where ants are found or they enter the premises. Where accessible, treat ant nest or infested wood directly.  
Infestation is normally brought under control with one cleanout treatment. However, in cases where low infestation levels persist, follow up cleanout with monthly treatments of 0.5% a.i. spot applications until infestation is completely controlled.  
**Spiders:** Apply as a 1.0% a.i. spot or crack and crevice treatment around windows and doors, along baseboards, and in corners. Make a spot application to other areas where spiders are seen or suspected.  
**Flies:** Apply as a 0.5% a.i. fine spray to infested rugs, floor coverings and upholstered furniture, taking care to treat between and under cushions of furniture and under edges of floor coverings where possible. Use approximately 1 gal. of finished spray per 1500 sq. ft. Entire rugs may be treated. Pet beds and frequented resting areas including adjacent cracks and crevices should also be treated. Old bedding should be removed and replaced with clean fresh bedding after premises are treated. Do not treat pets with this product. Keep all persons and pets out of treated area until spray mixture has dried.  
**Brown Dog Ticks:** Apply as a 0.5%-1.0% a.i. fine spray to infested areas such as those indicated above for Flies. Allow 48 hours of exposure to treated surfaces for control to be evident. Do not treat pets with this product. Keep all persons and pets out of treated area until spray mixture has dried.  
**Carpet Beetles:** Apply as a 0.5%-1.0% a.i. spot application along baseboards and edges of carpeting, under rugs and furniture, and in corners of showing where these insects are seen or suspected.  
**Basalder Bugs, Earwigs, Ground Beetles:** Apply as a 1.0% a.i. spot or crack and crevice treatment around windows, doors and along baseboards. Make a spot application to other areas where these insects are seen or suspected.  
**Flour Pests-Exposed Stages (Starvationed Grain Weevil, Red Flour Beetle, Confused Flour Beetle, Cigarette Beetle):** Remove all foodstuffs, utensils and shelf paper from area to be treated. Discard used shelf paper and any infested foodstuffs. Apply a 1.0% a.i. spray to shelves and cupboard. Allow spray to dry. Apply fresh shelf paper prior to replacement of food and utensils.  
**Food Handling Establishments:** In food areas of such establishments, application is limited to spot or crack and crevice treatments. Food areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing system (mills, grinders, edible oil, syrups). Serving areas when food is exposed and facility is in operation are also considered a food area. Prepare a SAFROTIN emulsion diluted with water as directed above and apply in small amounts directly into cracks and crevices using equipment capable of delivering a stream of insecticide in points between different elements of construction, between equipment and floors, openings leading to walls and hollow spaces in walls, ventilation, pipes and bases where Cockroaches, Ants, Silverfish, Firebrats, Spiders and Crickets hide. Spot treatment may also be made to areas where any of the above pests occur such as basements, storage areas, closets, around water heater, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas. Make low pressure applications to avoid contamination of food or food contact surfaces. Repeat treatment as needed but not more than once every 14 days. Do not use SAFROTIN or diluted spray mixes in food areas of food handling establishments. SAFROTIN EC is authorized by the USDA for use in federally inspected meat and poultry plants. For applications in nonfood areas of food handling establishments, refer to instructions given above for the pest in question.

**Storage and Disposal:** Do not contaminate water, food or feed by storage or disposal. **Storage:** Store in a cool, dry and ventilated area away from humans, pets, food, stiffs and feed. Do not store near heat or open flame. Pesticide (Material): Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or mixtures is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **Local Consumer (Responsible):** Triple rinse. Then offer for recycling or incineration or purchase and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Glass Container Disposal:** Triple rinse. Then dispose of in a sanitary landfill, or by other approved state and local procedures.

To make 1 gallon of 50% spray require to	
50%	
Concentration	
100%	
Concentration	

When a rate range is indicated below, maintenance sprays, and the higher concentration a longer period of residual control. **Cockroaches, Ants, Crickets, Firebrats:** 0.5%-1.0% a.i. spot or crack and crevice as baseboards, storage areas, closets, under refrigerators, cabinets, sinks and areas. For control of ants, apply spray in places where ants may enter structures. **Carpenter ants:** For initial cleanout ap

Wall Laboratories  
3689 Kinsman Boulevard  
Madison, WI 53704

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 in no way to be construed as an endorsement 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 the provisions of Section 3(c)(7)(C) of the Act, since you have agreed that:

you will submit the data listed below according to the following schedule:

<u>Type of Submission</u>	<u>Deadline for Submission</u>
1. Laboratory tests Completed 2. Final Laboratory Report & Details 3. Field Test Program	December 1, 1984
4. Final Laboratory Laboratory Report	January 1, 1985
5. Final Field Test	
a. Final Interim Report	May 1, 1985
b. Final Interim Report	September 1, 1985
c. Final Report	January 1, 1986

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

B. You will submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

C. You will submit production information (pounds produced) for this product for the fiscal year in which this product is conditionally registered, in accordance with Section 29 of FIFRA. The fiscal year begins October 1 and ends September 30. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information should be submitted to:

Registration Support and Emergency Response Branch  
Registration Division (TS-767)  
Environmental Protection Agency  
Washington, D.C. 20460

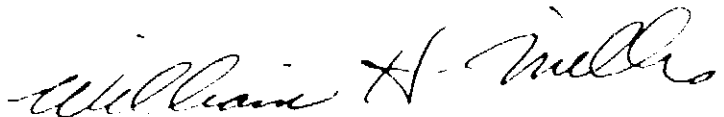
Make the following label changes before you release the product for shipment:

- 1. For all labeling add the phrase "Open pack and" before the beginning of your rat and mouse directions.
- 2. For the 2 ounce container label only, add the following sentence to the end of the rat directions: "This box contains sufficient bait for 1 or 2 rats."

Submit five (5) copies of your final labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 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.



William H. Miller  
Product Manager 16  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

FRONT PANEL

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 3 1984

QUINTOX<sup>TM</sup>

RAT & MOUSE BAIT  
KILLS RATS & MICE

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

12455-39

Active Ingredient:		
Cholecalciferol.....		.075%
Inert Ingredients.....		99.925%
	TOTAL	100.000%

CAUTION

KEEP OUT OF REACH OF CHILDREN

See left panel for additional precautionary statements

NOTE TO USER: This product has been shown to be effective through a number of laboratory and field studies. Further field studies will be conducted which may alter claims and directions for use.

NET WEIGHT

Manufactured by  
Bell Laboratories, Inc.  
Madison, WI 53704 U.S.A.

EPA EST. NO. 12455-WI-1

EPA REG. NO. 12455-39