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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

03 JAN 1997

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. John T. Beaver  
Registration Specialist  
Sandoz Agro, Inc.  
1300 E. Touhy Ave.  
Des Plaines, Illinois 60018

Dear Mr. Beaver:

Subject: Deletion of Uses  
Safrofin Emulsifiable Concentrate  
EPA Reg. No. 2724-314  
Labeling Submitted March 3, 1995  
Federal Register Notice of November 17, 1995

The labeling amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, As Amended (FIFRA), is acceptable, provided that you:

Submit one copy of your final printed label incorporating the following corrections before you release the product for shipment.

Reinstate the first aid statements pertinent to skin and eye contact and the precautionary statement, "Avoid breathing vapor or spray mist." These statements appeared on your label accepted June 8, 1994 for the subject product.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended label constitutes acceptance of this condition.

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

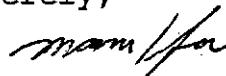
Please verify your intent regarding your response to the Agency's letter of January 5, 1994 regarding your waiver request for the guideline 171-4(b) data requirement.

As specified in the Agency's letter of January 5, 1994, a waiver from the requirement of guideline 171-4(b) is warranted, provided all food uses except restaurants and other similar establishments (for example, cafeterias, taverns, vending machine

areas) where food is prepared and served are deleted from the label.

If this is your intent, then the present claims appearing on your subject label are considered to be too broad and encompassing and must be qualified to clearly limit all food uses except those areas described in the January 5, 1994 letter referenced above. These claims include the unqualified claim for use in "buildings and structures" and the label claim, "Permitted sites of application include but are not limited to homes, apartment buildings, stores, schools, hospitals, and industrial buildings."

Sincerely,



William W. Jacobs, Ph. D.  
Acting, Product Manager Team 14  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

**RESTRICTED USE PESTICIDE**  
**Due to acute oral and dermal toxicity**

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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 EMULSIFIABLE CONCENTRATE INSECTICIDE

ACCEPTED  
with COMMENTS  
in EPA Letter Board

03 JAN 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
2724-314

For Control of Cockroaches and Other Pests

**ACTIVE INGREDIENT:**

propetamphos [(E)-1-methylethyl 3-  
[[[(ethylamino) methoxyphosphinothioyl]  
oxy]-2-butenate]

..... 50.0%  
**INERT INGREDIENTS\*** ..... 50.0%  
**TOTAL** ..... 100.0%

\*contains petroleum distillates

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

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

## NET CONTENTS:

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PRECAUTIONARY STATEMENTS AND FIRST AID TREATMENT

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**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 patient is not breathing, start artificial respiration immediately.

**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.

**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 all contaminated clothing with soap and hot water before re-use. In case of spillage, cover with an absorbent material such as clay or sawdust. Sweep up and bury. Then wash area with a 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 buildings and structures. Permitted sites of application include but are not limited to homes, apartment buildings, stores, schools, nursing homes, hospitals, and industrial buildings. SAFROTIN may also be used in food service 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 the 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 dilutions is nonstaining and does not cause damage to fabrics, plastics, paints, or other surfaces which cannot be damaged by the carrier alone. Do not apply water-base sprays of this product where electrical short circuits might result. If 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 of active ingredient per gallon of finished solution according to the following dilution table:

<u>To make 1 gallon of finished spray equal to:</u>	<u>Dilution Rate</u>
0.5% a.i. Concentration	1.25 oz. per gallon of water or oil
1.0% a.i. Concentration	2.50 oz. per gallon of water or oil

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

**NOTE:** Following treatment, thorough ventilation of treated areas, by occupant before re-entry, may reduce potential odors. In buildings with restricted air flow, such as office buildings, ventilation is enhanced by adjusting ventilation systems to include outside air for 24 hours.

**Cockroaches, Ants, Crickets, Firebrats, Pillbugs, Sowbugs, and Silverfish:** Apply as a 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 cleanout, apply a 1.0% a.i. spot treatment to ant trails, around 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 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.

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**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% 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.

**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 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 Service Establishments:** Application is limited to spot or crack and crevice treatments in food service establishments such as restaurants, cafeterias, taverns, delicatessens, mess halls, school and institutional dining areas, hospitals, mobile canteens, vending machines, groceries and markets.

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 or 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 and food preparation surfaces. For applications in nonfood areas of food service establishments, refer to instructions given above for the pest in question.

Repeat treatment as needed but not more than once every 7 days, and not to exceed 2 treatments in a 30-day period.

**STORAGE & 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, foodstuffs and feed. Do not store near heat or open flame. **Pesticide Disposal:** Pesticide wastes are toxic, improper disposal of excess pesticide, spray mixture, or rinsate 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. **Metal Container Disposal:** Triple rinse. Then offer for recycling or reconditioning, or puncture 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. **Plastic Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Sandoz Agro. Inc.**  
1300 East Touhy Avenue, Des Plaines, Illinois 60018

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1094-E

EPA Est. 2724-TX-1  
Made in USA