

ZOECON RF-259 EMULSIFIABLE CONCENTRATE/2724-351
PZ259ECA.97A April 1997

SANDOZ AGRO, Inc. -

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COVERSHEET UPDATE: April 1997

PRODUCT: ZOECON RF-259
EMULSIFIABLE
CONCENTRATE

EPA REG. NO.:- 2724-351

APPROVED:

SUPERSEDES:

Notification February 28 97

OVERVIEW: Label submitted to EPA in response to their completed reviews of our studies submitted 5/16/94 Label comments made by EPA (3/10/97) requested new label incorporating these requested changes:

Signal word changed from WARNING TO CAUTION

Page #	Description of Major Changes
1-2	Signal word changed from WARNING to CAUTION Statement of Practical Treatment changed to First Aid Consumer Labeling Initiative.
4	Pantry/Cabinet Small Food Storage Areas section - per EPA added statement: "Do not store food in open containers in treated pantries"
5	Storage and disposal statements revised to provide separate statements for Household and non-household use. (Use one or the other.)
6	Information telephone number added (Consumer Labeling Initiative)

ACCEPTED

JUL 16 1997

Under the Federal Insecticide, Fungicide, and
Rodenticide Act, as amended, for the
pesticide registered under
EPA Reg. No. 2724-351

ZOECON RF-259 EMULSIFIABLE CONCENTRATE/2724-351
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{ } Indicates optional statements

ZOECON RF-259 EMULSIFIABLE CONCENTRATE

with GENCOR® (ZIGRON™) Insect Growth Regulator

- Controls roach and stored product pest populations
- Continuous protection for 120 days {4 months}{17 weeks}
- Use every 120 days {4 months}{17 weeks} to {stop}{end} your roach problem
- Minimum retreatment interval, based on efficacy, is 45 to 120 days
- Inhibits roaches' natural ability to reproduce
- Biochemical approach to roach and stored products pest control
- Controls stored product pest populations by disrupting normal metamorphosis
- Breaks the roach life cycle
- Kills {controls} stored product pests {populations}
- Easy to apply
- Roach control for industrial and institutional use
- Labeled for use in {food areas {and non-food areas} of} food handling establishments {facilities}
- Labeled for fogging {space spraying} in large food handling establishments (warehouses)
- Kills fleas

ACTIVE INGREDIENT:

(S)-Hydroprene [Ethyl(2E,4E,7S)-3,7,11-trimethyl-2,4-dodecadienoate]:..... 9.0%

INERT INGREDIENTS*..... 91.0%

TOTAL 100.0%

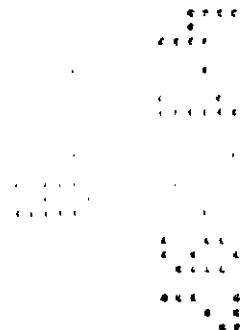
*Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTIONWARNING

See back panel for additional precautionary statements

NET CONTENTS:



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTIONWARNING: Avoid contact with eyes, skin, or clothing. Causes skin irritation. Harmful if swallowed. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENTFIRST AID: **If Swallowed:** Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available drink large quantities of water. Avoid alcohol. Call a physician or Poison Control Center immediately. **If on skin:** Wash thoroughly with soap and water. Get medical attention. Remove contaminated clothing and wash before reuse. **If in Eyes:** Flush with plenty of water. If irritation persists, call a physician. **If Inhaled:** Remove to fresh air. **Note to Physician:** Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

PHYSICAL OR CHEMICAL HAZARDS: Do not use this product in or on electrical portion of equipment due to the possibility of shock hazard.

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

GENERAL INFORMATION

Zoecon RF-259 Emulsifiable Concentrate, an Insect Growth Regulator (IGR), is a synthetic, juvenile hormone "look-alike" which disrupts the normal growth development of cockroaches and stored product pests (examples of these pests include Indian meal moths, rice moths, tobacco moths, red flour beetles, confused flour beetles, lesser grain borers, merchant grain beetles, sawtooth grain beetles, warehouse beetles, cigarette beetles, and dermestid beetles). Roaches exposed to the GENCOR® IGR will become adults incapable of reproducing. GENCOR also disrupts the normal life cycle of stored product pests and fleas; thus killing these insects. In both cases, the cycle of an infestation ends. Zoecon RF-259 Emulsifiable Concentrate is intended for use in apartment buildings, bakeries, bottling facilities, breweries, boiler rooms, cafeterias, candy plants, grocery stores, day care centers, hospitals, residential homes, office buildings, kitchens, laboratories, cereal processing facilities, manufacturing plants, mausoleums, meat and produce canneries, nursing homes, restaurants, schools, locker rooms, stores, taverns, warehouses, as well as various modes of transportation such as aircraft, buses, trucks, trailers, rail cars, and marine vessels.

Zoecon RF-259 is intended for use as a general surface spray, fogging, spot and crack and crevice applications.

Prior to using in commercial or residential (household) food areas, please refer to the Food Handling Establishment Applications section of the label. The preparations prior to treatment and the clean up after application described therein are also to be followed for residential (household) use.

INSTRUCTIONS FOR USE: Zoecon RF-259 Emulsifiable Concentrate is intended to be mixed with water and applied with spray or hand application equipment, such as hand-pressurized or power-operated sprayers capable of delivering general surface, fogging (space spray/mist), spot, crack and crevice spray applications, or with a paint brush, roller, or similar device.

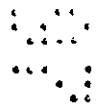
DILUTION PREPARATION: For surface spray/paint brush, spot and crack and crevice preparations: Use 1 ounce {one bottle}{depress the metered actuator once} of Zoecon RF-259 Emulsifiable Concentrate to one gallon of water. Partially fill the mixing container with water, add the Zoecon RF-259 Emulsifiable Concentrate, shake or stir, and fill to final volume. Use diluted solution within 48 hours of mixing. Shake or stir before each use. For fogging preparation: follow equipment manufacturer's instructions.

TANK MIXING: The user, at his discretion, can tank mix Zoecon RF-259 Emulsifiable Concentrate with SAFROTIN® Emulsifiable Concentrate Insecticide or another adulticide currently registered for use, unless the product label prohibits such use. The resulting tank mixture must be used in accordance with the more restrictive label limitations and precautions.

GENERAL SURFACE APPLICATION: Apply the Zoecon RF-259 Emulsifiable Concentrate dilution at a rate of one gallon per 1500 sq ft of surface area. Use spray/application equipment capable of delivering a variable spray or coating to uniformly apply the solution. Applications can be made to areas such as walls, floors, ceilings, attics, basements, or crawlspaces. NOTE: Prior to treating around air ducts, shut off ventilation system. Allow treatment to dry prior to turning on ventilation system.

FOGGING (SPACE SPRAY/MIST) APPLICATION: Apply Zoecon RF-259 Emulsifiable Concentrate as a fog or an ultra-low volume (ULV) mist with equipment such as ULV, mechanical misting sprayers, aerosol generators, or thermal foggers to achieve uniform coverage. Follow manufacturer's solution preparation instructions. Apply at a rate of one ounce {one gallon dilution} per 12,000 cu ft. {Turbocide GOLD® with GENTROL is to be used as a space spray applied using apparatus designed or approved by AgrEvo Environmental Health. Apply Turbocide GOLD with GENTROL at an application rate not to exceed 2.0 g/1000 ft³ (1 oz per 12,000 ft³) diluting as required following the instructions of Turbocide GOLD spraying equipment.} Fogging applications are recommended for larger facilities including warehouses (Refer to Warehouses section below). Close room or warehouse and shut off all ventilation systems. Apply the product in the air and direct mist toward all areas that may harbor target pests. After treatment, leave the room closed for 30 minutes {or longer as recommended by the equipment manufacturer or the labels of other products applied in tank mixing}. Do not remain in treated area; ventilate before reentry.

SPOT AND CRACK AND CREVICE APPLICATIONS: Apply Zoecon RF-259 Emulsifiable Concentrate diluted spray solution using either a pressurized spray system capable of delivering a pinpoint or variable spray pattern or a device capable of coating evenly. Crack and crevice applications may be made directly to areas such as crevices, baseboards, floors, ceilings, or walls. Spot treatments may be made to areas such as storage areas, closets, around water pipes, doors, windows, and behind and under appliances/equipment.



WAREHOUSES (Non-Food): Zoecon RF-259 Emulsifiable Concentrate may be applied as a general surface, fogging, spot, or crack and crevice treatment in non-food storage warehouses. Apply to all areas that may harbor pests, including under and between pallets.

FOOD HANDLING ESTABLISHMENT APPLICATIONS: Zoecon RF-259 Emulsifiable Concentrate may be applied as a general surface, fogging {space spraying}, spot, or crack and crevice treatment in both food and non-food areas of Food Handling Establishments. These establishments are defined as places other than private residences where exposed food is held, prepared, processed, or served. It also includes areas where food items are received, prepared, packaged, and stored, as well as enclosed food processing systems (mills, dairies, etc).

SURFACE SPRAY APPLICATION: (Do not apply directly to food products).

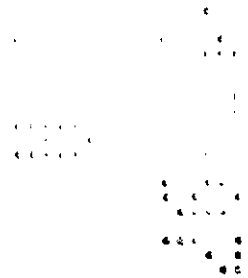
General Area Treatments - Prior to application, remove or cover all food items. Also, cover all food contact surfaces (i.e., equipment, benches, shelves - areas where exposed food may be handled, held, prepared, processed, or served). If left uncovered, these areas must be thoroughly cleaned by a method capable of removing chemical residues after treatment. Partial area treatments - Zoecon RF-259 Emulsifiable Concentrate can be applied to partial areas of food handling establishments in cases of small or localized infestations. For partial area treatments, a perimeter of at least 6 feet must be established {6 feet in all directions from the treated area}, where all food handling surfaces are either covered at the time of treatment, or thoroughly cleaned by a method effective in removing chemical residues after treatment.

SPOT AND CRACK AND CREVICE APPLICATIONS: Prior to application, remove or cover all food items in area to be treated. Do not apply directly to food or food-handling surfaces.

PANTRY/CABINETS, SMALL FOOD STORAGE AREAS: Apply as a surface spray, crack and crevice spray, or spot treatment to pantry and cupboard shelves or other areas where food is stored. Prior to spraying, remove all food containers and foodstuffs. Do not replace food containers or foodstuffs until spray has dried. Do not store food in open containers in treated pantries. Destroy any infested food packages to ensure proper control.

FOGGING (SPACE SPRAY/MIST) APPLICATION: Prior to application, remove or cover all food items. Also, cover all food contact surfaces (i.e.; equipment, benches, shelves - areas where exposed food may be handled, held, prepared, processed, or served). If left uncovered, these areas must be thoroughly cleaned by a method capable of removing chemical residues after treatment.

WAREHOUSES (Food): Zoecon RF-259 Emulsifiable Concentrate may be applied as a general surface, fogging {space spraying}, spot, or crack and crevice treatment in warehouses where packaged food items are stored in such a way that direct contact with the foodstuff is not anticipated.



STORAGE AND DISPOSAL: {Use one or the other Storage and Disposal section, depending on if consumer/household use or other (PCO)}.

Do not contaminate water, food, or feed by storage or disposal.

Storage: Store in a cool area away from children.

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

Container Disposal: For container sizes < 1 gallon: Do not reuse empty container. Securely wrap original container in several layers of newspaper and put discard in trash collection. For container sizes > 1 gallon: Plastic Container Disposal - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Glass Container Disposal - Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures. Metal Container Disposal - Triple rinse (or equivalent). 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.

{For Household Use}

Storage: Store in a cool area away from children.

Disposal: Do not reuse empty container. Securely wrap original container in several layers of newspaper and discard in trash

{Storage and Disposal for Turbocide GOLD product label}

{Pesticide Storage: The cylinder must be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is worn or is distorted should be replaced immediately. Store upright in a cool and dry area.

Pesticide Disposal: Pesticide that cannot be used according to label instructions must be returned to the point of purchase in its original container.

Container Disposal: This cylinder must not be disposed of in any manner. Cylinders must be returned to point of purchase for credit. All cylinder, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.}

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For information, call 1-800-248-7763.

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[Turbocide GOLD® is a registered trademark of AgrEvo Environmental Health.]

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EPA Reg. No.: 2724-351
Made in USA

EPA Est. No.:

