

2734-207

BEST DOCUMENT AVAILABLE

The active ingredient in the Zoecon RF-209 Cockroach Growth Regulator is the biorational insecticide GENCOR™ Insect Growth Regulator. GENCOR is unique in that it eliminates roach populations without direct poisoning like conventional insecticides. This biorational insecticide is also unique in that it is similar to insect growth hormones that occur naturally in insects.

The Zoecon RF-209 Cockroach Growth Regulator provides the elimination of roach populations plus the unique characteristics of the biorational insecticide GENCOR.

GENCOR effectively controls roach populations by inhibiting reproduction. One to two weeks after application you will begin to see roaches with crinkled wings - showing the effects of GENCOR. These roaches can not reproduce. Immature roaches are prevented from developing into reproductive adults thereby effectively breaking the roach life cycle.

GENCOR causes a gradual reduction and ultimate elimination of the roach population. A conventional insecticide effective in killing roaches should be used with the Zoecon RF-209 Cockroach Growth Regulator if a large roach population is present. The Zoecon RF-209 Cockroach Growth Regulator should then be applied every 4 months to maintain continuous protection.

When GENCOR is applied by itself a reduction in the roach population will begin to be noticed at around 4 months. Major population reductions will be seen in 6 to 12 months. Zoecon RF-209 Cockroach Growth Regulator should be applied every 4 months to maintain continuous protection.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - WARNING: Causes temporary eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. May cause dermal sensitization. Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. Avoid contamination of food, foodstuffs, or water supply. Do not spray in areas such as conduits, motor housing, junction and switch boxes where electrical short circuits or shock hazard might result.

Statement of Practical Treatment: If in eyes, immediately flush with gently flowing water for at least 15 minutes--if irritation persists, get medical attention. If swallowed, call a physician. If on skin, wash thoroughly with soap and water. If skin irritation occurs, call a physician. Remove contaminated clothing and wash before reuse.

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

Spray Preparation:

Prepare a diluted spray solution by adding 7.5 milliliters of Zoecon RF-209 Cockroach Growth Regulator to 1 gallon water. Partially fill the mixing container with water, add Zoecon RF-209 Cockroach Growth Regulator, shake, and fill to final volume. Use dilute spray solution within 48 hours of mixing. Shake before each use.

Applications within residential buildings including homes and apartment buildings and within nonfood areas of industrial, institutional, and commercial buildings:

Apply as a surface spray at a rate of 1 gallon of diluted solution per 1000<sup>1500</sup> sq.ft. of surface area and as a spot treatment and crack and crevice spray with any low pressure sprayer typically used for indoor applications. Treat all areas that may harbor cockroaches. These include walls, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations, infested furniture and the inside of cabinets and closets.

STORAGE AND DISPOSAL: Storage - Store in a cool area away from children. Disposal - Do not reuse empty container. Wrap container and put in trash collection.

WARRANTY AND CONDITION OF SALE: Zoecon Industries warrants that this product conforms to the chemical description on the label and is useful for the control of cockroaches as described herein. Neither Zoecon nor the seller makes any other warranty, express or implied.

Zoecon Industries  
A Division of Zoecon Corporation  
12200 Lenton Drive, Dallas, Texas 75234

EPA Reg. No. 2724-  
103-E (12)

EPA Est.

Hand carried, stamped accepted

Given to Registrant

2724-304

# ZOECON RF-209 COCKROACH GROWTH REGULATOR

With GENCOR™  
Insect Growth Regulator  
  
Controls Cockroaches  
by Preventing Reproduction

ACTIVE INGREDIENTS:	
Hydroprene [Ethyl (E,E)-3,7,11-trimethyl-2,4-dodecadienoate].....	65.7%
INERT INGREDIENTS:.....	34.3%
Total.....	100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING**

See back panel for additional precautionary statements

**NET CONTENTS:**

GENCOR is a trademark of Zoecon Corporation

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Zoecon Industries  
A Division of Zoecon Corporation  
1260 Bentler Drive, Dallas, Texas 75234

EPA Reg. No. 1774-104  
1633-E1067A-0006A

EPA Est.  
Made in USA  
© 1983 Zoecon

2724 304

hand carried, stamped accepted

open to registration

# ZOECON RF-210 HYDROPRENE CONCENTRATE

For Formulating Use Only

**ACTIVE INGREDIENT:**

Hydroprene [Ethyl (E,E)-3,7,11-trimethyl-2,4-dodecadienoate]..... 15.0%

**INERT INGREDIENT:**..... 85.0%

100.0%

\*methylene chloride

EPA Est. 2724-TX-1

EPA Reg. No. 2724-305

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION:** Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. May cause eye irritation.

**STATEMENT OF PRACTICAL TREATMENT:** If ingested - Get medical attention. Do not induce vomiting. If inhaled - If irrit effects, such as dizziness and/or drunkenness occur from exposure to vapors, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. If in eyes - Immediately flush with plenty of water. Get medical attention if irritation persists. If on skin - Immediately wash with soap and water.

**NOTE TO PHYSICIAN:** Overexposure will cause elevation of blood carboxyhemoglobin and symptoms of narcosis. If initiated by an alld, cardiac irritability may be to severely increased. Maintain adequate oxygenation until recovery. Sympathomimetic amines, such as epinephrine, may precipitate arrhythmias. Use only after careful consideration.

**ENVIRONMENTAL HAZARDS:** Permits may be required for discharges containing this pesticide into lakes, rivers, streams, or public waters. For guidance, contact your regional office of the EPA.

**NET CONTENTS:**

**DIRECTIONS FOR USE**

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

This product may be used only for the formulation of an insecticide. Each formulated insecticide product must be registered with the Environmental Protection Agency.

**HANDLING AND SPILL PRECAUTIONS:** Vapors are heavier than air and will collect in low areas such as pits, degreasers, storage tanks and other confined areas. Do not enter these areas where vapors are suspected unless special breathing apparatus is used and an observer is present for assistance.

Liquid and vapor can decompose to harmful and corrosive vapors when in contact with flame and other ignition sources. In addition, a flammable atmosphere may develop in confined areas. **KEEP AWAY FROM FLAMES AND OTHER IGNITION SOURCES,** such as welding, when used where vapors may become concentrated. **DO NOT CUT OR WELD CONTAINER** due to explosion hazard.

**FOR SPILLS,** use proper protective equipment. For small spills use sorbent, allow to stand, then sweep into airtight container for disposal. For large spills, evacuate the area, dike, then pump into containers for disposal.

**INHALATION PRECAUTIONS**

High concentrations of vapors can accumulate in tanks, pits, degreasers, small rooms, and other confined unventilated areas. Progressively higher exposure levels over 1000 ppm can cause dizziness, drunkenness, unconsciousness or even DEATH. EXTREMELY high vapor concentrations (over 10,000 ppm) are immediately HAZAROUS TO LIFE.

**CONTINUING EXPOSURE**

EXPOSURES SHOULD NOT EXCEED OSHA 8-HOUR TWA. Repeated and prolonged exposure to vapor concentrations at or above where physical effects begin (dizziness, eye irritation) may be hazardous to health.

**EXPOSURE LIMITS**

**PARTS PER MILLION (PPM)**

OSHA:8-hour TWA 500 PPM

Consult OSHA regulations prior to use.  
DIZZINESS BEGINS IN THE RANGE OF 1000 PPM

### STORAGE & DISPOSAL:

Avoid storage in conditions of extreme heat.

Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling, reconditioning or disposal in approved landfill, or bury in a safe place away from water supplies.

Consult Federal, State or local Disposal Authorities for approved alternate procedures.

Zoecon Industries warrants that this product conforms to the chemical description on the label. Zoecon makes no other warranty, express or implied. Users for labeling are responsible for providing supporting data for registration of their formulations to the EPA. They are to keep their eyes open.

Zoecon Industries

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