

- AFFECTS ROACHES AND STORED PRODUCT PEST WITHOUT DIRECT CONTACT WITH THE DEVICE
- REDUCES ROACH AND STORED PRODUCT PEST POPULATIONS IN A WAY CONVENTIONAL INSECTICIDES CAN'T
- LABELED FOR USE IN FOOD AND NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS

SPECIMEN LABEL

ACTIVE INGREDIENT:

(S)-Hydroprene (CAS #65733-18-8) 90.6%

OTHER INGREDIENTS: 9.4%

Total 100.0%

EPA Reg No. 2724-469

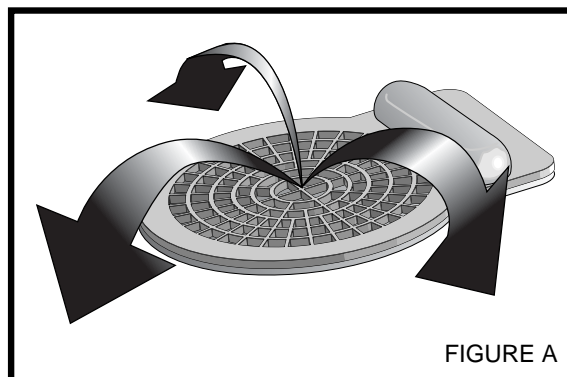
KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements.

The active ingredient in this special roach and Stored Products Pests (SPP-red, confused flour, and merchant beetles) control product is GENTROL® insect growth regulator - a biorational insecticide similar to insect growth hormones that occur naturally in roaches and SPP. GENTROL is unique in that it controls roach and SPP populations by inhibiting reproduction or adult emergence. 1 to 2 weeks after application, you will begin to see roaches with crinkled wings, showing the initial effects of GENTROL. These roaches cannot reproduce. Because immature roaches are prevented from developing into reproductive adults, this product effectively breaks the roach life cycle. Gentrol prevents SPP from becoming adults thus breaking the life cycle. By inhibiting reproduction or adult emergence, GENTROL® POINT SOURCE™, by itself, will control cockroach and SPP populations over time. For faster results, GENTROL POINT SOURCE may be used in conjunction with EPA approved products that kill roaches and SPP. Roach and SPP populations are difficult to control because they reproduce so rapidly. However, when a conventional insecticide designed to kill roaches or SPP does not provide 100% elimination, GENTROL POINT SOURCE will prevent survivors from re-establishing the population.

Once GENTROL is released, the active ingredient moves from the GENTROL POINT SOURCE device into a localized area. Roaches or SPP do not have to come into contact with the GENTROL POINT SOURCE to be affected (See Figure A).



GENTROL POINT SOURCE can be used in buildings and modes of transportation. Permitted sites of application include: restaurants, homes, hotels, kitchens, laboratories, apartment buildings, day care centers, machinery, equipment, greenhouses, hospitals, mausoleums, nursing homes, office buildings, schools, and warehouses. GENTROL POINT SOURCE is also intended to be used in various modes of transportation including but not limited to aircraft, buses, trucks, trailers, rail cars, and marine vessels.

DIRECTIONS FOR USE

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

Do not activate the GENTROL POINT SOURCE device until ready to use. To activate the GENTROL POINT SOURCE, press firmly between thumb and forefinger on the pouch located on the side of the device, until a snapping sound is heard, indicating that the GENTROL-containing capsule has been opened (See Figure B). Following activation, the GENTROL POINT SOURCE is now ready to apply. The GENTROL POINT SOURCE device may be placed in any position. Do not place in areas accessible to children.

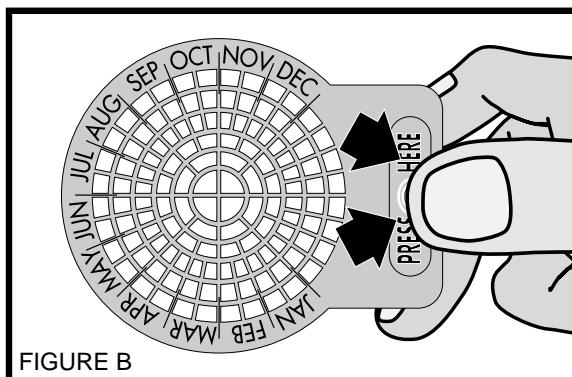


FIGURE B
Press firmly between thumb and forefinger on the pouch located on the side of the device, until a snapping sound is heard, indicating the GENTROL-containing capsule has been opened.

Place the GENTROL POINT SOURCE device in areas where roach or SPP activity has been observed. These areas include: in and around cabinets, closets, pantries, drawers, refuse areas, electrical boxes, equipment, and false ceilings. Also, place around doors, expansion joints, pipe chases, dressers, windows, heating and air conditioning ducts, refrigerators, and voids where pests are active.

One GENTROL POINT SOURCE device may be placed to treat up to a 75 square foot area, paying particular attention to locations of roach or SPP activity. More devices may be needed in areas with a heavy roach or SPP infestation.

IMPORTANT! In order for the GENTROL POINT SOURCE to adhere properly, wipe surface clean prior to application. Use as many tape strips as needed. For vertical placement, expose sticky surface by removing paper backing and pressing the device firmly in place. Replace all devices every 3 months for continued effectiveness (See Figure C).

FOOD HANDLING ESTABLISHMENTS

GENTROL POINT SOURCE may be used in areas where food is handled or prepared. Placements include areas for receiving, storage, packing, edible waste storage, machinery, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas would also be considered as a food area. The GENTROL POINT SOURCE may also be applied to non-food areas of food handling and preparation establishments. Areas of application include garbage

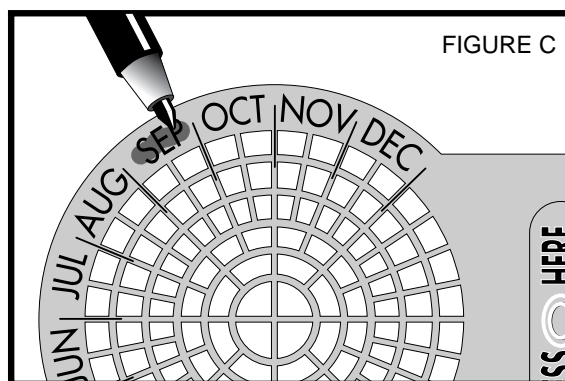


FIGURE C
Mark with a pen the month when the GENTROL POINT SOURCE is activated.

areas, lavatories, offices, lockers, mechanical rooms, closets, and storage areas. Do not place the device within three feet of any food handling or food preparation area.

The GENTROL POINT SOURCE can also be used where conventional sprays and foggers may not be appropriate or where baits may be less effective due to competing food sources.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS CAUTION

Avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

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

STORAGE AND DISPOSAL

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

Storage: Store in 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: Triple rinse (or equivalent). Then 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.

For more information or in case of an emergency, call **1-800-248-7763** or visit our web site: www.zoeconsolutions.com

Always read the label before using the product.

Seller makes no warranty, express or implied, concerning the use and handling 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.

Wellmark

Wellmark International
Schaumburg, Illinois 60106

Zoecon® A Wellmark International brand.
GENTROL® Insect Growth Regulator, GENTROL® POINT SOURCE™, and ZOECON® are trademarks of Wellmark International.

ZOECON
Professional
Products

November, 1999
Schaumburg, IL

MATERIAL SAFETY DATA SHEET
GENTROL® POINT SOURCE ROACH CONTROL DEVICE

Manufacturer: Wellmark International
Address: 1100 East Woodfield Road, Suite 500 Schaumburg, IL 60173
Emergency Phone: 1-800-248-7763
Transportation Emergency Phone: CHEMTREC: 1-800-424-9300

1. CHEMICAL PRODUCT INFORMATION

Product Name: Gentrol® Point Source Roach Control Device
Chemical Name/Synonym: (S)-Hydroprene: (Ethyl(2E,4E,7S)-3,7,11-trimethyl-2,4-dodecadienoate)
Chemical Family: Isoprenoid
Formula: C17 H30 O2
EPA Registration No.: 2724-469
RF Number:

2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Component (chemical, common name)</u> | <u>CAS Number</u> | <u>Weight</u> | <u>Tolerance</u> |
|---|-------------------|---------------|------------------|
| (S)-Hydroprene: (Ethyl(2E,4E,7S)-3,7,11-trimethyl-2,4-dodecadienoate) | 65733-18-8 | 90.6% | Not established |
| Inert ingredients (non hazardous and/or trade secret): | | 9.4% | Not established |

3. HAZARD INFORMATION

PRECAUTIONARY STATEMENT
Caution: Keep out of the reach of children. Avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

PRIMARY ROUTE OF ENTRY Dermal/Eye: Yes Oral: No Inhalation: No

Due to the unique nature of the product form, acute toxicity hazards are not anticipated.

ACUTE TOXICITY Oral: Not Available
 Dermal: Not Available
 Inhalation: Not Available

OTHER TOXICOLOGICAL INFORMATION

Skin Irritation: Mild irritant (rabbit)
Eye Irritation: Mild to moderate irritant (rabbit)
Sensitizer: Positive skin sensitization in guinea pigs

4. FIRST AID MEASURES

- Eye:** Hold eye open and flush slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Skin:** Wash affected area with soap and water. Get medical attention if irritation persists.
- Ingestion:** Due to the product form, ingestion is unlikely, but if ingestion should occur, give 1-2 glasses of water to drink and induce vomiting by sticking finger down the throat. Repeat until vomitus is clear. Do not induce vomiting in an unconscious individual
- Inhalation:** Remove victim to fresh air
- Note to Physician:** Treat symptomatically

5. FIRE FIGHTING MEASURES

- NFPA Rating:** **Health: 0** **Fire: 2** **Reactivity: 0**
- Flammability Class:** Combustible liquid (active ingredient)
- Flash Point:** 182F/84C
- Explosive Limits (% of Volume):** Not known
- Extinguishing Media:** Water, foam, CO2, dry chemical
- Special Protective Equipment:** Firefighters should wear full protective equipment including self contained breathing apparatus.
- Fire Fighting Procedures:** Normal procedures. Do not allow firefighting water to escape into waterways or sewers.
- Combustion Products:** None known
- Unusual Fire/Explosion Hazards:** None known

6. ACCIDENTAL RELEASE MEASURES

- Steps to be taken:** Due to the product form, the possibilities of a spill are remote, but should one occur, sweep up spill and place in trash collection for disposal.
- Absorbents:** Due to product form, absorbents should not be necessary. If mixed with a liquid, absorb with clay granules, sawdust, dirt or equivalent.
- Incompatibles:** None known

7. HANDLING AND STORAGE

- Handling:** Do not activate device until ready to use. This product may be used in areas where food is handled or prepared. Placements include areas for receiving, storage, packing, edible waste storage, machinery and enclosed processing systems. Serving areas would be considered as a food area. Do not place the device within three feet of any food handling or food preparation area.
- Storage:** Do not contaminate water, food, or feed by storage. Store in cool area away from children.

8. EXPOSURE CONTROL / PERSONAL MEASURES

- Exposure Limits:** Not established
- Ventilation:** Use with adequate ventilation.
- Personal Protective Equipment:** None required. If prolonged exposure is anticipated it is recommended for a handler to wear impervious gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|---|
| Appearance and Odor: | Clear round plastic station with a faint fruity odor. |
| Boiling Point: | Not known |
| Melting Point: | Not applicable |
| Vapor Pressure (mm Hg): | Less than 1 at 25C |
| Vapor Density (Air = 1): | Not known |
| Specific Gravity: | 0.89 (H ₂ O=1) |
| Bulk Density: | 7.4 lbs/gal |
| Solubility: | .54 ppm |
| Evaporation Rate: | Less than butyl acetate |
| pH: | Not applicable |

10. STABILITY AND REACTIVITY

| | |
|--|----------------|
| Stability: | Stable |
| Reactivity: | Not reactive |
| Incompatibility w/ Other Materials: | None known |
| Decomposition Products: | None known |
| Hazardous Polymerization: | Will not occur |

11. TOXICOLOGICAL INFORMATION

SUBCHRONIC TOXICITY [Specific to Active Ingredient(s)]

In a 90-day subchronic feeding study in rats, the NOEL was 50 mg/kg/day. Changes in body weight and organ weights were observed at higher dose levels. Maximum tolerated dose (MTD) was suggested to be between 250 and 1,000 mg/kg/day. No immunotoxic effects were observed in a study in mice when (S)-Hydroprene was fed (diet) at dose levels up to and including 1,200 mg/kg/day, continuously for 30 days.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

Parental reproductive performance in rats remained unaffected up to a dose level of 7,500 ppm, when evaluated in a 2-generation reproduction/toxicity study. Histologically, all females of 7,500 ppm dose group had cytoplasmic vacuolation in the ovaries and regression of corpora lutea, but without affecting reproductive performance. The NOEL for pup development was 1,500 ppm. No teratogenic or fetotoxic effects were observed in rats when pregnant animals were exposed (gavage) to (S)-Hydroprene at levels up to 1,000 mg/kg/day (highest dose tested) during days 6 to 15 of gestation. NOEL for maternal toxicity was 1,000 mg/kg/day. Minor skeletal anomalies observed at lower dose levels were absent in the high dose animals, indicating an observation unrelated to the dose treatment.

MUTAGENICITY [Specific to Active Ingredient(s)]

(S)-Hydroprene is not a mutagen.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE [Active Ingredients Only]

Hydrolysis: Not available

Photolysis: Not available

Soil half life: Not available

Water solubility: <2 ppm, emulsifies in water.

ECOTOXICITY [Active Ingredients Only]

Acute Toxicity: fish:Not available; aquatic invertebrates:Not available

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste management facility. **Container Disposal:** Triple rinse (or equivalent). Then 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.

14. TRANSPORT INFORMATION

DOT49CFR Description: Not regulated under D.O.T.

Freight Classification: Insecticides, N.O.I. o/t poison; NMFC I-102120

15. REGULATORY INFORMATION

RCLA (Superfund): Not regulated

RCRA: Not regulated as hazardous

SARA 311/312 HAZARD CATEGORIES

Immediate Health: Yes (Irritant)

Delayed Health: No

Fire: Yes

Sudden Pressure: No

Reactivity: No

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all inclusive and the manner and conditions of use and handling may involve other or additional considerations.

4. FIRST AID MEASURES

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| Boiling Point: | Not known |
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| Vapor Pressure (mm Hg): | Less than 1 at 25C |
| Vapor Density (Air = 1): | Not known |
| Specific Gravity: | 0.89 (H ₂ O=1) |
| Bulk Density: | 7.4 lbs/gal |
| Solubility: | .54 ppm |
| Evaporation Rate: | Less than butyl acetate |
| pH: | Not applicable |

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