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## MATERIAL SAFETY DATA SHEET - GENTROL® POINT SOURCE ROACH CONTROL DEVICE

**Manufacturer:** Wellmark International

**Address:** 1000 Tower Lane, Suite 245, Bensenville, Illinois 60106

**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:** C<sub>17</sub> H<sub>30</sub> O<sub>2</sub>

**EPA Registration No.:** 2724-469

**RF Number:**

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component (chemical, common name)	CAS Number	Weight	Tolerance
(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:** AVOID CONTACT WITH EYES. SENSITIVE INDIVIDUALS MAY HAVE AN ALLERGIC REACTION AFTER REPEATED USE OF THIS PRODUCT.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Non-specific

**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:**

**Dermal:**

**Inhalation:**

#### 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:** Flush eyes with plenty of water. Get medical attention if irritation persists.

**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:** 182°F/84°C

**Explosive Limits (% of Volume):** Not known

**Extinguishing Media:** Water, Foam, CO<sub>2</sub>, 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 station until ready to use. The station may be placed in any position. Do not place in areas accessible to children. Do not place in food contact areas or storage areas for dishes, silverware, and cooking utensils in domestic kitchens and dining areas.

**Storage:** Store in cool area away from children.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Limits:** Not established

**Ventilation:** Use with adequate ventilation.

**Personal Protective Equipment:** Under normal use conditions, no PPE is required. If excessive exposure is anticipated, users may want to wear gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Clear, round, plastic station with a faint fruity odor.

**Specific Gravity:** 0.89 (H<sub>2</sub>O=1)

**Boiling Point:** Not known

**Bulk Density:** 7.4 lbs/gal

**Melting Point:** Not applicable

**Solubility:** .54 ppm

**Vapor Pressure (mm Hg):** Less than 1 at 25°C

**Evaporation Rate:** Less than butyl acetate

**Vapor Density (Air = 1):** Not known

**pH:** Not applicable

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Decomposition Products:** None known

**Reactivity:** Not reactive

**Hazardous Polymerization:** Will not occur

**Incompatibility with**

**Other Materials:** None known

## 11. TOXICOLOGICAL INFORMATION

### **CHRONIC 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 has been found negative for mutagenicity potential. It has tested negative in: 1) Ames Test, 2) in vivo cytogenetic assay, 3) micronucleus test (in vivo), and in 4) test for DNA effects - UDS in rats (in vitro).

### **OTHER**

U.S. EPA has evaluated other similar product's toxicity as part of the U.S. registration process. EPA requires extensive toxicity tests be performed before any chemical is approved for use. Based on their review of test results, they have determined that no significant risk to users, the public, or the environment exists when this product is used as indicated on the product label.

## 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

Wastes resulting from the use of this product may be wrapped and placed in trash collection.

## 14. TRANSPORTATION INFORMATION

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

**Freight Classification:** Insecticides, N.O.I. o/t poison, NMFC 1102120

## 15. REGULATORY INFORMATION

**CERCLA (Superfund):** Not regulated

**RCRA:** Not regulated as hazardous

### **SARA 311/312 HAZARD CATEGORIES**

**Immediate Health:** Yes (irritation)

**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.*

