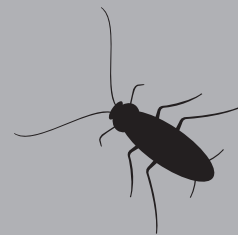


Gentrol[®] Aerosol



CONTROLS ROACHES, STORED PRODUCT PESTS, DRAIN FLIES, FRUIT FLIES, AND BEDBUGS

SPECIMEN LABEL

ACTIVE INGREDIENT:

(S)-Hydroprene (CAS #65733-18-8) 0.36%

OTHER INGREDIENTS*: 99.64%

TOTAL . . . 100.00%

*Contains petroleum distillates

EPA Reg. No. 2724-484

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

Call a poison control center or doctor immediately for treatment advice.

If on skin or clothing • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15–20 minutes.

If in eyes • Hold eye open and rinse slowly and gently with water for 15–20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If inhaled • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.

NOTE TO PHYSICIAN: Contains petroleum distillates. Vomiting may cause aspiration pneumonia. **If swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

PHYSICAL OR CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting. Do not apply this product in or on electrical portions 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

GENTROL[®] AEROSOL contains GENTROL[®] Insect Growth Regulator. The IGR disrupts the normal development of immature cockroaches, drain flies, fruit flies, bedbugs, 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 and bedbugs exposed to GENTROL AEROSOL will become adults incapable of reproducing. GENTROL AEROSOL also disrupts the normal life cycle of drain

flies, fruit flies, and stored product pests; thus, killing these insects during the pupal stage. In both cases, the cycle of an infestation ends. Use GENTROL AEROSOL in areas such as, but not limited to: apartment buildings, bakeries, bottling facilities, breweries, boiler rooms, cafeterias, candy plants, grocery stores, day care centers, hospitals, residential homes, hotels/motels, office buildings, kitchens, laboratories, cereal processing facilities, manufacturing plants, mausoleums, meat and produce canneries, nursing homes, restaurants, schools, locker rooms, stores, taverns, warehouses, pet stores, as well as various modes of transportation, such as aircraft, buses, trucks, trailers, rail cars, and marine vessels.

Use GENTROL AEROSOL as a general surface spray, spot, or crack and crevice application.

Prior to using in commercial or residential 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 are also to be followed for residential use.

GENTROL AEROSOL is non-repellent and should be considered an important component in a cockroach baiting program. Baits are an important part of a total cockroach control program but are not a complete solution. GENTROL AEROSOL can reach those nymphs that fail to forage to baits and the IGR stimulates egg-bearing females to leave the harborage and feed.

Shake well before use. GENTROL AEROSOL is a ready-to-use pressurized spray for application to a variety of locations and surfaces to control pests. Apply GENTROL AEROSOL as a general surface spray, spot, or crack and crevice application. Use the supplied extension tube for crack and crevice applications. To apply as a general surface or spot application, hold can 10" to 12" away from surface to be treated. Use a sweeping motion over the surface to be treated for complete coverage. This product applies as a light foam that dissipates readily. An oily residue may be apparent in heavy applications. The visibility of the dissipating foam eliminates the possibility of missed areas. For crack and crevice applications, use the supplied extension tube and apply to wall voids, hollow table legs, tube iron, gondola frames, voids, and supports. GENTROL AEROSOL is generally non-staining, but in questionable situations, apply a small amount in an inconspicuous location. Apply GENTROL AEROSOL once a month for continuous protection, or more often if conditions warrant.

GENERAL SURFACE APPLICATION

Apply the GENTROL AEROSOL at a rate of 16 ounces per 1200 sq ft of surface area. Apply to areas such as: walls, floors, ceilings, attics, basements, gondolas, and shelving. **NOTE:** Prior to treating around air ducts, shut off ventilation system. Turn on air-handling systems immediately after application.

SPOT OR CRACK AND CREVICE APPLICATIONS

Apply GENTROL AEROSOL as a crack and crevice application using the supplied extension tube. Apply directly to areas such as: wall voids, pipe chases, crevices, and false ceilings. Apply spot treatments to areas such as: storage areas, closets, around water pipes, doors, windows, and behind and under appliances/equipment, furniture and beds. To treat bedbugs, apply to harborage points mentioned above; in addition, under beds, bottom side of box springs (do not treat linens and mattresses), under and behind night stands, to points where carpet and wall meet, cracks in cove base, molding, and other areas where bedbugs harborage.

WAREHOUSES (Non-Food)

Apply GENTROL AEROSOL as a general surface, 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

Apply GENTROL AEROSOL as a general surface spray, 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.). For control of drain flies and fruit flies: Apply GENTROL AEROSOL to areas of fly breeding. For drains, apply product into and around the downspout and catch basin area. Coat these areas thoroughly as fly larva develop in the scum buildup on the sides of drain pipes. Repeat applications at 2 to 4 week intervals depending upon the severity of infestation.

SPOT OR 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.

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

Apply GENTROL AEROSOL 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, from all 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. Dispose of any infested food packages or materials.

WAREHOUSES (Food)

Apply GENTROL AEROSOL as a general surface spray, 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

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

STORAGE

Store in a cool area away from children. Do not reuse empty container.

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

Wrap container and put in trash collection. Do not puncture or incinerate.

For information, call 1-800-248-7763 or visit our Web site: **www.zoecon.com**



Wellmark International
Schaumburg, Illinois U.S.A.



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GENTROL® Aerosol, GENTROL® Insect Growth
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March, 2004
Schaumburg, IL



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Gentrol Aerosol**

Synonyms

- 100525782; 37820; EPA Reg. No.: 2724-484; RF 9707 Aerosol

Product Description

- Clear to pale yellow aerosol spray.

Relevant identified uses of the substance or mixture and uses advised against**Recommended use**

- Insect growth regulator

Restrictions on use

- Keep out of the reach of children. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and flame. Use in well ventilated area. Do not take internally. Do not inhale.

Details of the supplier of the safety data sheet

Manufacturer

- Wellmark International
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

Emergency telephone number

Manufacturer

- 1-800-248-7763

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC**Manufacturer (Transportation)** • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Flammable Aerosols 2
Aspiration 1
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Compressed Gas

Label elements

OSHA HCS 2012**DANGER**



- Hazard statements** • Flammable aerosol
 May cause drowsiness or dizziness
 May be fatal if swallowed and enters airways
 Contains gas under pressure; may explode if heated

Precautionary statements

- Prevention** • Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 Use only outdoors or in a well-ventilated area.
 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
- Response** • IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
 Call a POISON CENTER or doctor/physician if you feel unwell.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.

Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
(s)-Hydroprene	CAS:65733-18-8	0.36%
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	8.56%
Propane	CAS:74-98-6	11.5%
Butane	CAS:106-97-8	9.5%
Other ingredients	NDA	Balance

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a

position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

- Skin**
 - IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.
- Eye**
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
- Ingestion**
 - IF SWALLOWED: Aspiration hazard - do NOT induce vomiting. Call a poison control center or doctor immediately for treatment advice.

Most important symptoms and effects, both acute and delayed

- Aspiration hazard, may cause dizziness or drowsiness if inhaled. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Contains petroleum distillate vomiting may cause aspiration pneumonia. Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
 - SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

- Unsuitable Extinguishing Media**
- Avoid heavy hose streams.

- Firefighting Procedures**
- Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.
As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- At temperatures above 130°F, container may rupture.
Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

- Hazardous Combustion Products**
- Thermal decomposition may produce toxic vapors/gases.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Approach leaking or punctured pressurized containers cautiously. Isolate leaking container from all sources of ignition. Avoid breathing fumes. Ventilate enclosed areas.

Emergency Procedures

-

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid unnecessary personnel and equipment traffic in the spill area. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Keep away from fire, sparks and heated surfaces.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not smoke while using this product. Do not allow product to freeze. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.

Conditions for safe storage, including any incompatibilities

Storage

- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed when not in use. Store in a well-ventilated place. Store in a cool, dry place. Keep out of reach of children. Keep away from sources of ignition – No Smoking. Keep from freezing. NFPA Aerosol Classification: Level 1. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Incompatible Materials or Ignition Sources

- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Butane (106-97-8)	STELs	1000 ppm STEL	Not established	Not established
	TWAs	Not established	800 ppm TWA; 1900 mg/m3 TWA	Not established
Propane (74-98-6)	TWAs	See Appendix F: Minimal Oxygen Content	1000 ppm TWA; 1800 mg/m3 TWA	1000 ppm TWA; 1800 mg/m3 TWA

Exposure Limits Supplemental

ACGIH

- Propane (74-98-6): **TLV Basis - Critical Effects:** (asphyxia (See Appendix F: Minimal Oxygen Content))
- Butane (106-97-8): **TLV Basis - Critical Effects:** (CNS impairment)

Exposure controls

Engineering

- Use adequate ventilation to remove vapors (fumes, dust etc)

Measures/Controls

Personal Protective Equipment

Pictograms**Respiratory**

- In case of insufficient ventilation, use NIOSH approved respiratory protection.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Aerosol	Appearance/Description	Clear to pale yellow aerosol spray.
Color	Clear to pale yellow.	Odor	No data available.
Aerosol Type	Spray	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	Not relevant	Specific Gravity/Relative Density	= 0.83 Water=1
Water Solubility	Insoluble	Viscosity	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	20 %
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔH_c)	9.94 kJ/g
Flammability (solid, gas)	Flammable aerosol.		
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Flammable, aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Conditions to avoid

- Heat, sparks, open flame. Excess heat.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Thermal decomposition may produce toxic vapors and/or gases.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
(s)-Hydroprene (0.36%)	65733-18-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • >34600 mg/kg; Inhalation-Rat LC50 • >5.5 mg/L 4 Hour(s); Skin-Rabbit LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Essentially non-irritating

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

Acute (Immediate)

- May affect the central nervous system. Symptoms may include dizziness or drowsiness.

Chronic (Delayed)

- No data available

Skin

Acute (Immediate)

- May cause mild irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available

Ingestion

Acute (Immediate)

- Aspiration Hazard - may be fatal if swallowed and enters airways.

Chronic (Delayed)

- No data available

- Mutagenic Effects** • (s)-Hydroprene is not a mutagen.
- Carcinogenic Effects** • (s)-Hydroprene is not a carcinogen. No other components present at 0.1% or greater is listed by IARC, OSHA or NTP.
- Reproductive Effects** • Hydroprene does not produce developmental or reproductive effects.

Section 12 - Ecological Information

Toxicity

Components		
(s)-Hydroprene (0.36%)	65733-18-8	Aquatic Toxicity-Fish: 96 Hour(s) NOEC <i>Rainbow trout</i> >0.43 mg/L [Acute]

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- Potential Environmental Effects** • No data available.

Section 13 - Disposal Considerations

Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not puncture or incinerate. Nonrefillable container. Do not reuse or refill container. See product label for container disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	UN1950	Aerosols	2.1	None	Not Applicable
IMO/IMDG	UN1950	Aerosols	2.1	None	Not Applicable
IATA/ICAO	UN1950	Aerosols, flammable	2.1	None	Not Applicable

- Special precautions for user** • None specified.

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

Other information

- IMO/IMDG** • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Hazard Classifications • Acute

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION**Precautionary Statements •** KEEP OUT OF THE REACH OF CHILDREN.**Hazards to Humans and Domestic Animals**

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

First Aid •

IF ON SKIN OR CLOTHING • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for further treatment advice.

IF IN EYES Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.

Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate. Exposure to temperatures above 130° F may cause bursting. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Inventory		
Component	CAS	TSCA
Butane	106-97-8	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Propane	74-98-6	Yes
(s)-Hydroprene	65733-18-8	No

Section 16 - Other Information

Revision statement: formulation change.

- Revision Date** • 20/July/2016
- Last Revision Date** • 12/February/2016
- Preparation Date** • 12/February/2016
- Disclaimer/Statement of Liability** •
The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.