**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 50ºC/122ºF.
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 130ºF 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 50ºC/122ºF. 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)

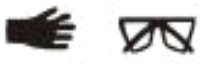
## Exposure controls

**Engineering Measures/Controls**

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

**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 (ΔHc) | 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;<br>**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 *Rainbow trout* >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 |
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