

# Devito™



**with EnduraCap Technology**

## SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

### 1. IDENTIFICATION

**PRODUCT NAME:** Devito with EnduraCap Technology  
**DESCRIPTION:** Liquid Insecticide  
**EPA Reg. No.:** 91234-250  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

May cause damage to organs through prolonged or repeated exposure (H373)

Harmful if swallowed (H302)

Very toxic to aquatic life with long lasting effects (H400+H410)



#### HAZARD CLASSIFICATION

##### Health Hazard

Specific Target Organ Toxicity – Repeated Exposure	2
Acute toxicity, oral	4

##### Physical Hazards

None	-
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##### Environmental Hazards

Hazardous to the Aquatic Environment – Acute	1
Hazardous to the Aquatic Environment – Chronic	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.

### PRECAUTIONARY STATEMENTS

Do not breath mist/vapor/spray. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. (P260+P264+P270)

**IF SWALLOWED:** Get medical help. Rinse mouth. (P301+P317+P330)

Get medical help if you feel unwell. (P319)

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273+P391)

Store locked up. (P405)

Dispose of contents/container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Lambda-cyhalothrin	[1α(S*),3α(Z)]-(±)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate	91465-08-6	9.7%
Propylene glycol	1,2-propanediol	57-55-6	trade secret

**NOTE:** Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call SafetyCall®: **1-844-685-9173**. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

**IF SWALLOWED:** Call a poison control or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## 5. FIREFIGHTING MEASURES

**Flash Point:** Not available.

**Flammable Limits (LFL-UFL):** Not available.

**Fire and Explosion Hazards:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Medium:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

**Hazardous Combustion Products:** Thermal decomposition may produce toxic carbon and nitrogen oxides, ammonia, cyanuric acid, biuret, halogen, halogen acids, and trace amounts of carbonyl halide.

**NFPA Ratings:** Health – 2 / Flammability – 1 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Protective Clothing:** Applicators and other handlers must wear chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.

**General:** Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	opaque off-white liquid
<b>Odor:</b>	mildly bitter
<b>Melting/Freezing Point:</b>	no data available
<b>Boiling Point/Boiling Range:</b>	no data available
<b>Flammability:</b>	>230°F; >110°C
<b>Flammability Limits (upper/lower):</b>	no data available
<b>Flash Point:</b>	no data available
<b>Auto-ignition Temperature:</b>	no data available
<b>Decomposition Temperature:</b>	no data available
<b>pH:</b>	6.5-7.5
<b>Viscosity:</b>	no data available
<b>Water Solubility:</b>	no data available
<b>Partition Coefficient:</b>	no data available
<b>Vapor Pressure:</b>	no data available
<b>Bulk Density:</b>	8-9 lb/gal
<b>Relative Vapor Density:</b>	no data available
<b>Particle Characteristics:</b>	no data available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Extreme temperatures.

**CHEMICAL STABILITY:** Stable under normal use and storage conditions.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic carbon and nitrogen oxides, ammonia, cyanuric acid, biuret, halogen, halogen acids, and trace amounts of carbonyl halide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Information provided for a similar formulation:**

**ORAL TOXICITY (rat LD<sub>50</sub>):** 550 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5,050 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.15 mg/L (4-hour)

**EYE IRRITATION:** No positive effects (Rabbit)

**SKIN IRRITATION:** No positive effects (Rabbit)

**SKIN SENSITIZATION:** Not a skin sensitizer (Guinea pig)

**CARCINOGENICITY:**

**EPA:** Not likely to be Carcinogenic to Humans (lambda-cyhalothrin)

**ACGIH:** Not Listed **NTP:** Not Listed

**IARC:** Not Listed **OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**TERATOGENICITY:** No evidence of teratogenicity.

**REPRODUCTIVE TOXICITY:** No evidence of reproductive toxicity.

**OTHER TOXICITY:** In humans, lambda-cyhalothrin contact with exposed skin may result in temporary itching, tingling, burning or numbness, called paresthesia. The effect may result from splash, aerosol, or hot vapor contact, or transfer to the face from contaminated gloves and hands. The symptoms normally disappear within 24 hours. Face and genital areas are especially susceptible to this effect. Paresthesia involving the face is also known as "subjective facial sensation" or SFS.

**TARGET ORGANS (lambda-cyhalothrin):** Liver and nervous system.



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## 12. ECOLOGICAL INFORMATION

This pesticide is extremely toxic to fish and aquatic organisms and toxic to wildlife. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

**The following information is for the active ingredient, lambda-cyhalothrin:**

### AQUATIC TOXICITY

Rainbow Trout (96-hour  $LC_{50}$ ): 0.36  $\mu\text{g/L}$

Bluegill (96-hr  $LC_{50}$ ): 0.21  $\mu\text{g/L}$

Fathead Minnow (NOAEC): 0.031  $\mu\text{g/L}$

Daphnia (48-hour  $EC_{50}$ ): 0.36  $\mu\text{g/L}$

Algae (96-hr  $EC_{50}$ ): > 1000  $\mu\text{g/L}$

### AVIAN TOXICITY

Mallard Ducks (oral  $LD_{50}$ ): > 3950 mg/kg

Bobwhite Quail (dietary  $LC_{50}$ ): > 5300 mg/kg

### OTHER TOXICITY

Bees: 36 ng/bee (contact)

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

### US-DOT:

Not regulated

### IMDG:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S., (contains lambda-cyhalothrin), 9, PG III, Marine Pollutant

### IATA:

Shipped by air: UN3082, Environmentally hazardous substance, liquid, N.O.S., (contains lambda-cyhalothrin), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. REGULATORY INFORMATION

### FIFRA –

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use this product in or on electrical equipment due to the possibility of shock hazard. Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

### SARA Title III – Section 311/312 Hazard Categories

Immediate (Acute), Delayed (Chronic)

### SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

### SARA Title III – Section 313 Reportable Ingredients

Polymeric diphenylmethane diisocyanate (CAS No. 9016-87-9): 0.45-0.55%

### CERCLA Reportable Quantity (RQ) –

Not listed

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

### CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.



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## 16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0

Effective Date: 8/16/2023



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## 1. PRODUCT IDENTIFICATION

### 1.1. Product Identifiers

Product name : **InTice™ 10 Perimeter Bait**

### 1.2. Other Means of Identification

Product synonyms : none

### 1.3. Recommended Uses/Restrictions to Use

Uses : 10% boric acid granule for control of various pest species per label

Restrictions : See product label for details

### 1.4. Supplier Details

Company : Rockwell Labs Ltd  
1257 Bedford Avenue  
North Kansas City, MO 64116-4308  
USA

Telephone : 1 816-283-3167

### 1.5. Emergency Contact

Outside normal business hours

Emergency Phone # : 1 800-424-9300 (USA & Canada)  
1 703-527-3887 (Outside USA & Canada)

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of Substance or Mixture

none

### 2.2. GHS label elements, including precautionary statements

Pictogram(s) none

Signal word none

Hazard statement(s)  
none

Precautionary statement(s)  
none

### 2.3. Other hazards which do not result in classification

In animal feeding tests, boric acid has been shown to impair fertility at very high doses. However, decades of occupational exposure in humans have shown no adverse effects associated with this material.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

##### Hazardous Component(s) or components of note:

Chemical Identity	Contains (% w/w)	CAS-No.	Hazard Classification
Orthoboric Acid (Boric Acid)	10.0	10043-35-3	none

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### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General advice

Consult a physician or poison control center. Provide this safety data sheet to medical personnel. Move out of hazardous areas.

##### If inhaled

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

##### In case of skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

##### In case of eye contact

Hold eye open and rinse 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.

##### If swallowed

Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### 4.2. Most important symptoms and effects, both acute and delayed

Boric acid may cause gastrointestinal discomfort with ingestion of more than an incidental amount.

#### 4.3. Indication of any immediate medical attention and special treatment needed, if necessary

None known

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### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



**5.2. Specific hazards arising from the chemical**

Oxides of carbon, sulfur, and nitrogen

**5.3. Special protective equipment and precautions for fire fighters**

Wear self contained breathing apparatus for firefighting if deemed necessary.

Additional information: none

**5.4. Further information**

No data available

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**6. ACCIDENTAL RELEASE MEASURES**
**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled product and contaminated surfaces. Evacuate personnel to safe areas during emergencies. For safe handling instructions see section 7. For proper PPE see section 8.

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not allow release directly to water, to areas where surface water is present or to intertidal areas below the mean high-water mark.

**6.3. Methods and materials for containment and cleaning up**

Sweep up any spilled material and dispose of according to instructions in section 13. Wash contaminated surfaces with soap and water.

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**7. HANDLING AND STORAGE**
**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene practices. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. In the State of California: Personal Protective Equipment (PPE) Applicators and handlers must wear: shoes plus socks. For additional precautions see section 2.2

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a dry place. Store in original container. Do not store where children or animals may gain access.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**8.1. Control parameters**

Components with workplace parameters

Component	CAS-No.	Value	Control parameters	Basis
none	-----	-----	-----	-----

**8.2. Appropriate engineering controls**

Ensure relevant engineering controls are employed to prevent exceeding threshold values for the listed control parameters in section 8.1.

**8.3. Individual protection measures, such as personal protective equipment**

In normal use and handling conditions refer to the product label for required PPE. In all other cases the following recommendations would apply.

**Eye/face protection**

Safety glasses or other similar eye protection conforming to ANSI Z87.1 standards recommended when handling product.

**Skin protection**

Chemical resistant nitrile rubber or similarly compatible gloves recommended when handling product. Dispose of contaminated gloves after use in accordance with applicable local and state regulations. Wash exposed skin with soap and water immediately. Wash all contaminated clothing prior to reuse.

**Respiratory protection**

Not required under normal use conditions. Particulate respirator recommended when risk assessment shows need for air-purifying respirators.

**Thermal hazards**

None known

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance;	Yellow/brown granule
Odor;	Slight, food
Odor threshold;	No data available
pH;	6.1 @ 1.0% in water (22 °C)
Melting point/freezing point;	No data available
Initial boiling point and boiling range;	No data available
Flash point;	No data available
Evaporation rate;	No data available
Flammability (solid, gas);	No data available
Upper/lower flammability or explosive limits;	No data available
Vapor pressure;	No data available
Vapor density;	No data available
Relative density;	0.51 g/mL
Solubility;	Water, partial
Partition coefficient: n-octanol/water;	No data available
Auto-ignition temperature;	No data available
Decomposition temperature;	No data available



Viscosity;

No data available

**9.2. Additional Information**

No data available

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**10. STABILITY AND REACTIVITY****10.1. Reactivity**

No data available

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

No data available

**10.4. Conditions to avoid**

Avoid excessive moisture.

**10.5. Incompatible materials**

Strong oxidizing agents. Strong reducing agents.

**10.6. Hazardous decomposition products**

Other decomposition products – no data available

In the event of a fire: see section 5

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**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute Toxicity**

LD50 Oral – Rat – limit test - &gt; 5000 mg/kg

LD50 Dermal – Rat – limit test - &gt; 5000 mg/kg

LD50 Inhalation – no data available

**Skin corrosion/irritation**

Skin – Rabbit

Results: slight skin irritation

(OECD Test Guideline 404)

**Serious eye damage/irritation**

Eye – Rabbit

Results: mild eye irritation

(OECD Test Guideline 405)

**Respiratory or skin sensitization**

Not a known sensitizer

**Germ cell mutagenicity**

Not a known mutagen

**Carcinogenicity**

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Reproductive toxicity**

In animal feeding tests, boric acid has been shown to impair fertility at very high doses. However, decades of occupational exposure in humans have shown no adverse effects associated with this material.

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2. Other information**

No data available

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**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Toxicity to fish no data available

Toxicity to daphnia no data available

and other aquatic

invertebrates

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS****13.1. Disposal Methods.**

The best disposal method is to use the entire quantity per label directions. If it is necessary to dispose of unused material then follow the label instructions and relevant local, state and federal waste disposal guidelines.

Product Disposal:

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

Packaging Disposal:

If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

See section 8 for proper PPE and precautionary handling measures.

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## 14. TRANSPORT INFORMATION

**DOT**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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## 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

Causes moderate eye irritation

Avoid contact with skin, eye or clothing

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet

In the State of California: Personal Protective Equipment (PPE) Applicators and handlers must wear: shoes plus socks.

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

None

**California Proposition 65 Components**

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or reproductive harm.

**TSCA**

All components of this product are listed, exempted, or excluded from listing on the U.S. Toxic Substances Control Act chemical substance inventory.

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**16. OTHER INFORMATION****Acronyms and abbreviations used**

LD50	Lethal Dose, 50%
OECD	Organization for Economic Cooperation and Development
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Industrial Hygienists
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
DOT	Department of Transportation
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act
CAS-No.	Chemical Abstract Services - Number
PPE	Personal Protective Equipment
HMIS	Hazardous Materials Identification System
NFPA	National Fire Protection Association
PPM	Parts Per Million

**Hazard Rating System Crossover**HMIS Rating

Health Hazard:	0
Flammability:	0
Reactivity:	0

NFPA Rating

Health Hazard:	0
Flammability:	0
Reactivity:	0

**Preparation information**

Prepared by:	Rockwell Labs Ltd
Version:	1.1
Revision Date:	September 18, 2020
Reason for revision:	Minor reformatting changes

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# SAFETY DATA SHEET

## Spectre PS

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Revision Date: July 13, 2017

### SECTION 1: IDENTIFICATION

**Product Name:** Spectre PS  
**EPA Registration No.:** 91234-23-53883  
**Recommended Use:** Insecticide; See product label for a complete list of uses and use sites.  
**Restrictions on Use:** See product label for any restrictions on the use of this product.  
**Chemical Family:** Halogenated pyrroles  
**Chemical Name of Active Ingredient(s):** Chlorfenapyr  
**Manufactured for:** Control Solutions, Inc.  
5903 Genoa-Red Bluff  
Pasadena, TX 77507

**FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300**

**FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050**

### SECTION 2: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:** Aerosol with a strong acetone odor. Flammable aerosol. Inhalation of significant quantity may cause dizziness.

#### OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Flammable Aerosols	Category 2
Specific Target Organ Toxicity – Single Exposure	Category 3

**Signal Word:** WARNING



**Hazard Statement(s):** Flammable aerosol.  
May cause drowsiness or dizziness.

#### Precautionary Statement(s):

**Prevention:** Keep away from heat/sparks/open flames/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.  
Avoid breathing mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.

**Response:** **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Store locked up.

**Disposal:** No statement required. See Section 13 for Disposal Information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %
Acetone	67-64-1	<35.0%
Dimethyl ether	115-10-6	<15.0%
Chlorfenapyr	122453-73-0	0.5%

\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

**SECTION 4: FIRST AID MEASURES**

<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF ON SKIN:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>IF INGESTED:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:** Drowsiness or dizziness

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Foam, dry chemical, carbon dioxide or water spray
<b>Unsuitable Extinguishing Media:</b>	Water jet
<b>Hazardous Combustion Products:</b>	Thermal decomposition may produce toxic carbon and nitrogen oxides, hydrogen chloride, hydrogen fluoride, and halogenated hydrocarbons.
<b>Special Protective Equipment &amp; Precautions:</b>	Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).
<b>Unusual Fire &amp; Explosion Hazards:</b>	Compressed gas. Containers may burst under fire conditions. NFPA: Level 1 Aerosol



**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	See Section 8 for personal protection equipment.
<b>Environmental Precautions:</b>	Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.
<b>Methods for Containment:</b>	Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Absorb small spills with sand, vermiculite or other inert absorbent. Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal.
<b>Methods for Clean-up:</b>	Place contaminated material in appropriate container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.
<b>Other Information:</b>	None known

**SECTION 7: HANDLING AND STORAGE**

<b>Handling:</b>	RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.
<b>Storage:</b>	<b>See pesticide label for full information on product storage.</b> Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.
<b>Storage Temperature (Min/Max):</b>	Do not store at temperatures exceeding 122°F (50°C).
<b>Product Incompatibilities:</b>	Avoid contact with strong oxidizing agents, strong acids, strong bases

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

**Exposure Guidelines:**

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
Acetone	1,000 ppm/2,400 mg/m <sup>3</sup> (PEL) 1,000 ppm/2,400 mg/m <sup>3</sup> (STEL) 750 ppm/1,800 mg/m <sup>3</sup> (TWA)	500 ppm (TWA) 750 ppm (STEL)	

**Engineering Controls:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**Respiratory Protection:** In areas of poor ventilation, use a NIOSH approved respirator with cartridges/canisters approved for organic vapors.

<b>Eye Protection:</b>	Chemical goggles or safety glasses and full-face shield.
<b>Protective Gloves:</b>	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
<b>Other Protective Clothing:</b>	Long-sleeved shirt, long pants and shoes plus socks.
<b>General Safety Measures:</b>	Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Aerosolized liquid	<b>Upper/Lower Flammability Limits:</b>	Not determined
<b>Odor:</b>	Strong acetone	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH (1% dispersion):</b>	8.0 – 9.0	<b>Relative Density:</b>	0.98 (Typical)
<b>Melting /Freezing Point:</b>	Not determined	<b>Solubility in Water:</b>	Soluble
<b>Boiling Point/Range:</b>	Not determined	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point:</b>	47°F (8.3°C)	<b>Auto-ignition Temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not applicable	<b>Viscosity:</b>	Not applicable

#### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	No hazardous chemical reactions known.
<b>Chemical Stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	No potential for hazardous reactions known.
<b>Conditions to Avoid:</b>	Exposure to temperatures above 122°F (50°C). Avoid all sources of ignition: heat, sparks, open flames. Avoid prolonged storage.
<b>Incompatible Materials:</b>	Strong oxidizers, strong bases and strong acids.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce toxic carbon and nitrogen oxides, hydrogen chloride, hydrogen fluoride, and halogenated hydrocarbons.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eye contact, Skin contact, Inhalation, Ingestion
<b>Symptoms of Exposure:</b>	Drowsiness and/or dizziness.
<b>Oral LD<sub>50</sub>:</b>	>5,000 mg/kg (rat)(Based upon similar formulation)
<b>Dermal LD<sub>50</sub>:</b>	>5,000 mg/kg (rat)(Based upon similar formulation)
<b>Inhalation LC<sub>50</sub>:</b>	>2.11 mg/L (4-hour)(rat)(Based upon similar formulation)
<b>Eye Irritation/Damage:</b>	Non-irritant (rabbit)(Based upon similar formulation)
<b>Skin Corrosion/Irritation:</b>	Slightly irritating (rabbit)(Based upon similar formulation)
<b>Skin Sensitization:</b>	Non-Sensitizer (Guinea Pig)(Based upon similar formulation)

<b>Chronic/Subchronic Toxicity:</b>	No data available on the mixture
<b>Mutagenicity:</b>	No data available on the mixture

**Reproductive Toxicity:** No data available on the mixture  
**Neurotoxicity:** No data available on the mixture  
**Target Organs:** No data available on the mixture  
**Aspiration Hazard:** Contains petroleum distillates so concentrate prior to adding propellant may be an aspiration hazard.

**Carcinogenicity:**

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

**SECTION 12: ECOLOGICAL INFORMATION****Environmental Hazards Statement from FIFRA Regulated Pesticide Label:**

This pesticide is toxic to aquatic organisms, birds and wildlife. Do not apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark.

**ECOTOXICITY DATA:**

The data presented below is for chlorfenapyr technical.

**Fish Toxicity:** Rainbow trout: 96 hr LC<sub>50</sub> = 7.4 µg/L  
 Bluegill: 96 hr LC<sub>50</sub> = 11.6 µg/L  
**Aquatic Invertebrate Toxicity:** *Daphnia magna*: 96 hr LC<sub>50</sub> = 6.11 µg/L  
**Aquatic Plant Toxicity:** *Pseudokirchneriella subcapitata*: 72 hr EC<sub>50</sub> = 132 µg/L  
**Avian Toxicity:** Bobwhite Quail: Oral LD<sub>50</sub> = 34 mg/kg  
 Mallard Duck: Oral LD<sub>50</sub> = 10 mg/kg  
**Honeybee Toxicity:** Oral LD<sub>50</sub> = 0.2 µg/bee

**ENVIRONMENTAL EFFECTS:**

**Persistence and Degradability:** No data available  
**Bioaccumulation:** No data available  
**Mobility:** No data available  
**Other Adverse Effects:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Disposal:** Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste. Empty aerosol cans may meet the definition of RCRA D003. Consult local and/or regional EPA for further guidance.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT** UN1950, Aerosols, flammable, n.o.s (contains Acetone, Chlorfenapyr), 2.1  
**(Ground):** This product may be classified as Limited Quantity in the appropriate packaging.  
**IMDG**  
**(Sea):** UN1950, Aerosols, flammable, n.o.s (contains Acetone, Chlorfenapyr), 2.1, Marine Pollutant  
**IATA**  
**(Air):** UN1950, Aerosols, flammable, n.o.s (contains Acetone, Chlorfenapyr), 2.1

**SECTION 15: REGULATORY INFORMATION**

**Labeling Requirements Under FIFRA:** This chemical is a pesticide product registered by the 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 and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

**SARA Title III Information:**

**Section 302 – Extremely hazardous substances:** None

**Section 311/312 – Hazard Categories:** Acute (Immediate); Fire; Sudden release of pressure

**Section 313 –** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %
None listed		

**CERCLA –** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Chemical Name	CAS Number	RQ	Quantity of Finished Product
Acetone	67-64-1	5,000 LBS	1,750 lbs (concentrate)

**CALIFORNIA PROPOSITION 65:**

Chemical Name	CAS Number	Prop 65 Category(ies)
None listed		

**U.S. STATE RIGHT-TO-KNOW REGULATIONS:**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone	X	X	X
Dimethyl ether	X	X	X

**SECTION 16: OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 2</b>	<b>Flammability 3</b>	<b>Instability 0</b>	<b>Special Hazards – None</b>
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