

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

Acute toxicity, oral

Category

2

4

Physical Hazards

None

Category

-

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	[1 α (S*),3 α (Z)]-($\pm$)-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

Appearance:	opaque off-white liquid	pH:	6.5-7.5
Odor:	mildly bitter	Viscosity:	no data available
Melting / Freezing point:	no data available	Water Solubility:	no data available
Boiling Point / Boiling Range:	no data available	Partition coefficient:	no data available
Flammability:	>230°F; >110°C	Vapor Pressure:	no data available
Flammability Limits (upper/lower):	no data available	Bulk Density:	8-9 lb/gal
Flash Point:	no data available	Relative Vapor Density:	no data available
Auto-ignition Temperature:	no data available	Particle Characteristics:	no data available
Decomposition Temperature:	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 LD₅₀): 550 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,050 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 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.

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 LC₅₀): 0.36 µg/L

Bluegill (96-hr LC₅₀): 0.21 µg/L

Fathead minnow (NOAEC): 0.031 µg/L

Daphnia (48-hour EC₅₀): 0.36 µg/L

Algae (96-hr EC₅₀): > 1000 µg/L

AVIAN TOXICITY

Mallard ducks (oral LD₅₀): > 3950 mg/kg

Bobwhite quail (dietary LC₅₀): > 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.

15. REGULATORY INFORMATION (CONT.)

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.

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.

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SDS Version: 1.0

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