

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	Category 2
Acute toxicity, oral	4

Physical Hazards

None	Category -
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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	[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
Odor:	mildly bitter
Melting/Freezing Point:	no data available
Boiling Point/Boiling Range:	no data available
Flammability:	>230°F; >110°C
Flammability Limits (upper/lower):	no data available
Flash Point:	no data available
Auto-ignition Temperature:	no data available
Decomposition Temperature:	no data available
pH:	6.5-7.5
Viscosity:	no data available
Water Solubility:	no data available
Partition Coefficient:	no data available
Vapor Pressure:	no data available
Bulk Density:	8-9 lb/gal
Relative Vapor Density:	no data available
Particle Characteristics:	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.



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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 µg/L

Bluegill (96-hr LC_{50}): 0.21 µg/L

Fathead Minnow (NOAEC): 0.031 µg/L

Daphnia (48-hour EC_{50}): 0.36 µg/L

Algae (96-hr EC_{50}): > 1000 µg/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



Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
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SAFETY DATA SHEET

D-Fense NXT

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Revision Date: September 23, 2021

SECTION 1: IDENTIFICATION

Product Name: D-Fense NXT
EPA Registration No.: 53883-415
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: N/A – Multiple Active Ingredients
Chemical Name of Active Ingredient(s): Deltamethrin
Novaluron
Pyriproxyfen
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 alcohol odor. Inhalation of vapors may cause drowsiness or dizziness. Extremely flammable aerosol.

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Aspiration Hazard	Category 1
Flammable Aerosols	Category 1
Specific Target Organ Toxicity – Single Exposure	Category 3

Signal Word: DANGER



Hazard Statement(s): May be fatal if swallowed and enters airways.
Extremely 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 SWALLOWED:** Immediately call a poison center/doctor. Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

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

Disposal: Dispose of contents/container in accordance with Federal, state and local laws and regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Distillates, petroleum, hydrotreated light	64742-47-8	70.0 – 85.0%
Acetone	67-64-1	10.0 – 25.0%
Novaluron	116714-46-6	0.2%
Deltamethrin	52918-63-5	0.06%
Pyriproxyfen	95737-68-1	0.02%
Carbon dioxide	124-38-9	1.0 – 5.0%

*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

IF IN EYES:	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.
IF ON SKIN:	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.
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.
IF INGESTED:	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: Moderate but temporary skin irritation. Drowsiness or dizziness if inhaled. Vomiting may cause aspiration pneumonia. Long-term exposure to skin without washing may cause moderate skin effects such as redness, dryness, sloughing and shallow to deep fissuring.

Note to Physician: Aspiration of this product during induced emesis can result in lung injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry chemical, carbon dioxide or water fog/spray
Unsuitable Extinguishing Media:	Water jet
Hazardous Combustion Products:	Thermal decomposition may produce toxic carbon and nitrogen oxides, and halogenated hydrocarbons.
Special Protective Equipment & Precautions:	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).
Unusual Fire & Explosion Hazards:	Compressed gas. Containers may burst under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	See Section 8 for personal protection equipment.
Environmental Precautions:	Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.
Methods for Containment:	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.
Methods for Clean-up:	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. Do not put spilled material back in the original container.
Other Information:	This product contains an ingredient regulated by CERCLA ('Superfund'). See Section 15 for additional information.

SECTION 7: HANDLING AND STORAGE

Handling:	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. Avoid all sources of ignition.
Storage:	See pesticide label for full information on product storage. 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. Containers may explode at or above listed maximum storage temperature.
Storage Temperature (Min/Max):	Do not store at temperatures exceeding 122°F (50°C).
Product Incompatibilities:	Avoid contact with strong oxidizers.

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	TWA: 1000 ppm or 2420 mg/m ³	TWA: 500 ppm or 1210 mg/m ³ STEL: 750 ppm or 1815 mg/m ³	
Petroleum distillates	500 ppm (TWA)		350 mg/m ³ (TWA) 1,800 mg/m ³ (CEIL)(15 min)

Carbon dioxide	TWA: 5000 ppm or 9000 mg/m ³	TWA: 5000 ppm STEL: 30000 ppm	IDLH: 40000 ppm TWA: 5000 ppm or 9000 mg/m ³ STEL: 30000 ppm or 54000 mg/m ³
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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.

THE PERSONAL PROTECTIVE EQUIPMENT BELOW IS REQUIRED FOR PRODUCT APPLICATORS, END USERS, AND HANDLERS AND COMES FROM THE FIFRA APPROVED PESTICIDE LABEL:

No personal protective equipment is required for applicators, end users, and handlers of D-Fense NXT.

THE PERSONAL PROTECTIVE EQUIPMENT BELOW IS INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS:

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

Eye Protection: Chemical goggles or safety glasses and full-face shield.

Protective Gloves: Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.

Other Protective Clothing: Long-sleeved shirt, long pants and shoes plus socks.

General Safety Measures: 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

Appearance:	Aerosol	Upper/Lower Flammability Limits:	Not determined
Odor:	Strong alcohol	Vapor Pressure:	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH (1% dispersion):	5.0 – 5.5	Relative Density (@24°C):	0.811 (typical)
Melting /Freezing Point:	Not determined	Solubility in Water:	Not determined
Boiling Point/Range:	Not determined	Partition Coefficient:	Not determined
Flash Point:	<75°F (concentrate)	Auto-ignition Temperature:	Not determined
Evaporation Rate:	Not determined	Decomposition Temperature:	Not determined
Flammability:	Not applicable	Viscosity:	1.34 cP at 25°C 1.10 cP at 39°C

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact, Skin contact, Inhalation, Ingestion
Symptoms of Exposure:	Moderate but temporary skin irritation. Drowsiness and/or dizziness.
Oral LD₅₀:	>5,000 mg/kg (rat)
Dermal LD₅₀:	>5,050 mg/kg (rat)
Inhalation LC₅₀:	>2.17 mg/L (rats)(no mortality at this concentration)
Eye Irritation/Damage:	Non-irritant (rabbit)
Skin Corrosion/Irritation:	Mild irritation with all effects clearing in 72 hours (rabbit)
Skin Sensitization:	Non-sensitizer (guinea pig)
Chronic/Subchronic Toxicity:	No data available on the mixture
Mutagenicity:	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
Deltamethrin		Group 3		

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

This product is toxic to fish and aquatic organisms. Do not apply directly to any body of water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area.

ECOTOXICITY DATA:

Fish Toxicity:	No data available on the mixture
Aquatic Invertebrate Toxicity:	No data available on the mixture
Aquatic Plant Toxicity:	No data available on the mixture

Avian Toxicity: No data available on the mixture
Honeybee Toxicity: No data available on the mixture

ENVIRONMENTAL EFFECTS:

Persistence and Degradability: No data available on the mixture
Bioaccumulation: No data available on the mixture
Mobility: No data available on the mixture
Other Adverse Effects: No data available on the mixture

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, 2.1
(Ground): This product may be classified as Limited Quantity.
IMDG UN1950, Aerosols, flammable, 2.1, Marine Pollutant
(Sea):
IATA
(Air): UN1950, Aerosols, flammable, 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

Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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	5000 lbs	3,693 gallons of 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
Carbon dioxide	X	X	X
Distillates, petroleum, hydrotreated light	X	X	X

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 3	Instability 0	Special Hazards – None
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Disclaimer: Control Solutions, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Control Solutions, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

Revision Date: September 23, 2021

Document Superseded: March 13, 2017

Revision Note: Added clarification sections in Section 8.

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)

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.

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

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

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

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.

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.

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

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

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

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

LD50 Oral – Rat – limit test - > 5000 mg/kg

LD50 Dermal – Rat – limit test - > 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

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

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.

14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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.

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 CrossoverHMIS Rating

Health Hazard:	0
Flammability:	0
Reactivity:	0

NFPA Rating

Health Hazard:	0
Flammability:	0
Reactivity:	0

Preparation information

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