

DEVENIRTM

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Devenir
DESCRIPTION: Granular insecticide
EPA REG. NO.: 91234-97
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

DANGER

May cause cancer (H350)
May cause damage to organs through prolonged or repeated exposure (H373)
May cause respiratory irritation (H335)
Very toxic to aquatic life with long-lasting effects (H410)



HAZARD CLASSIFICATION

| Health Hazards | Category | Physical Hazards | Category |
|---|----------|--|-----------------|
| Carcinogenicity | 1B | None | - |
| Specific target organ toxicity, repeated exposure | 2 | Environmental Hazards | Category |
| Specific target organ toxicity, single exposure | 3 | Hazardous to the aquatic environment, long-term | 1 |
| | | Hazardous to the aquatic environment, short-term | 2 |

HAZARDS NOT REQUIRING CLASSIFICATION

Do not use, pour, spill, or store near heat or open flame. May form combustible dust concentrations in air.

PRECAUTIONARY STATEMENTS

Obtain, read, and follow all safety instructions before use. Do not breathe dust. Use only outdoors or in a well-ventilated area. Wear protective gloves and clothing as described in Section 8. (P203+P260+P271+P280)

IF exposed or concerned, get medical advice. Get medical help if you feel unwell. (P318+P319)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell. (P304+P340+P319)

Avoid release to the environment not in accordance with the product label. (P273)

Store in a well-ventilated place. Keep container tightly closed. Store locked up. (P403+P233+P405)

Collect spillage. (P391)

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 |
|-----------------------------|--|-------------|-------------|
| Pymetrozine | 4,5-Dihydro-6-methyl-4-[(E)-(3-pyridinylmethylene)amino]-1,2,4-triazin-3(2H)-one | 123312-89-0 | 48.0-51.5% |
| Sodium dodecylbenesulfonate | | 25155-30-0 | 3.0-4.5% |

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. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: **1-800-424-9300**.

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

5. FIREFIGHTING MEASURES

Flash Point: Not applicable.

Fire and Explosion Hazards: This material can be thermally unstable at elevated temperatures. Combustible powder.

Extinguishing Medium: Foam, dry chemical, or carbon dioxide (CO₂). If water is used to fight fire, dike and collect runoff.

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: During a fire, irritating and possible toxic gases may be generated by thermal decomposition or combustion.

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and un-protected 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 or soil. Contain contaminated water.

Spill Cleanup: Avoid dust formation. Control the spill at its source. Clean up spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Storage: Store in a tightly closed container in a cool, dry place. Product is hygroscopic.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Occupational Exposure Limits:

| Chemical Name | OSHA PEL | ACGIH TLV |
|---------------------------|-----------------|-----------------|
| Other ingredients | Not Applicable | Not Applicable |
| Pymetrozine | Not Established | Not Established |
| Other | Source | |
| Not Applicable | Not Applicable | |
| 0.8 mg/m ³ TWA | Manufacturer | |

Protective Clothing: Applicators, and other handlers must wear: long-sleeved shirt and long pants, gloves made of any waterproof material, and shoes plus socks.

General: 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: | off-white granules |
| Odor: | mildly bitter/sweet |
| Melting/freezing point: | not available |
| Boiling point/Boiling range: | not available |
| Flammability: | not available |
| Flammability limits (upper/lower): | not available |
| Flash point: | not applicable |
| Auto-ignition temperature: | not available |
| Decomposition temperature: | not available |
| pH: | 5-6 (1% dispersion) |
| Kinematic viscosity: | not available |

| | |
|----------------------------------|--|
| Solubility: | not available |
| Partition coefficient: | not available |
| Vapor pressure: | not available |
| Density: | (34.5 lbs/ft ³ at indoor ambient temperature. |
| Relative vapor density: | not available |
| Particle characteristics: | not available |

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 3.09 mg/L (4-hour)

EYE IRRITATION: Non-irritating (Rabbit)

SKIN IRRITATION: Non-irritating (Rabbit)

SKIN SENSITIZATION: Not a Sensitizer (Guinea pig)

CARCINOGENICITY:

EPA: Likely to be carcinogenic to humans (pymetrozine)

ACGIH: Not listed

NTP: Not Listed

IARC: Not listed

OSHA: Not Listed

MUTAGENIC TOXICITY: Not available.

REPRODUCTIVE TOXICITY: No evidence of fertility or reproductive effects.

TERATOGENICITY: Did not show teratogenic effects in animal experiments with the active ingredient.

Pymetrozine may cause target organ damage to liver, spleen, thymus, kidney, muscle, digestive tract, blood, thyroids, or eyes and high doses.

12. ECOLOGICAL INFORMATION

Based on available acute exposure data, pymetrozine is classified as practically non-toxic to mammals and fish, moderately toxic to freshwater invertebrates and slightly toxic to estuarine/marine invertebrates. Pymetrozine is persistent in neutral aqueous environments.

The following information is for the active ingredients, Pymetrozine:

AQUATIC TOXICITY

Rainbow Trout (LC₅₀): > 100 mg/L;(NOAEC): 11.7 mg/L

Daphnia (EC₅₀): 87 mg/L;(NOAEC): 0.025 mg/L

Eastern oyster (EC₅₀): 3.05 mg/L

Algae (EC₅₀): 17 mg/L

AVIAN TOXICITY

Bobwhite Quail (LD₅₀): >2,000 mg/kg

Mallard Duck (LD₅₀): >5,200 mg/kg

BEE TOXICITY

Bees (LD₅₀) >117 µg/bee

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 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. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Not regulated

IMDG:

Containers ≤ 11 lbs. (5 kg) in strong outer packaging:

Not regulated

Containers > 11 lbs. (5 kg) or containers not in strong outer packaging:

Shipped internationally by vessel: UN3077, Environmentally hazardous substance, solid, N.O.S. (pymetrozine), 9, PG III, Marine Pollutant

IATA:

Shipped by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (pymetrozine), 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 absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before use. Wear long sleeved shirt and long pants, socks, shoes, and waterproof gloves.

See inside label booklet for First Aid, Precautionary Statements and Directions for Use.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

PHYSICAL OR CHEMICAL HAZARDS:

Do not use, pour, spill, or store near heat or open flame.

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

Acute (Immediate), Chronic (Delayed)

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

None

CERCLA Reportable Quantity (RQ) –

Sodium dodecylbenesulfonate (CAS No. 25155-30-0): 1,000 lbs.

CALIFORNIA PROP 65 STATUS –

 **WARNING:** This product can expose you to chemicals including pymetrozine, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

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.

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.

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