

# DETOUR<sup>TM</sup>

## 4 SC

### SAFETY DATA SHEET

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

#### 1. IDENTIFICATION

**PRODUCT NAME:** Detour 4 SC  
**DESCRIPTION:** Turf grass fungicide  
**EPA Reg. No.:** 91234-34  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

#### 2. HAZARD IDENTIFICATION

**WARNING**

May cause an allergic skin reaction (H317)



Very toxic to aquatic life (H302)

**GHS Toxicity Classifications**

Sensitization - skin Cat. 1A, 1B, 1C

Hazardous to the aquatic environment, acute hazard Cat. 1

**Prevention**

Avoid breathing spray mist. (P261)

Contaminated work clothing should not be allowed out of the workplace. (P272)

Wear protective gloves. (P280)

Avoid release to the environment. (P273)

**Response**

IF ON SKIN: Wash with plenty of water. (P302 + P352)

If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)

Specific treatment (see pesticide product label) (P321)

Take off contaminated clothing and wash it before reuse. (P362 + P364)

Collect spillage. (P391)

**Storage**

Refer to Section 7 of this SDS for specific storage instructions.

**Disposal**

Dispose of contents/container to an approved waste disposal plant. (P501)

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Common Name | Chemical Name  | CAS #      | Composition |
|-------------|--|------------|-------------|
| Fluazinam   | 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine | 79622-59-6 | 40.0%       |

#### 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 Safety-Call® at 1-844-685-9173 for emergency medical treatment information.

**IF ON SKIN OR CLOTHING:** 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.

#### 5. FIREFIGHTING MEASURES

**Flash Point:** Not detectable

**Flammable Limits (LFL-UFL):** Not determined

**Fire and Explosion Hazards:** Burning produces noxious and toxic fumes.

**Extinguishing Medium:** Water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

**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.

**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 earth, 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:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

**Storage:** Store in original container in a secured, cool, dry place separate from food and feed. DO NOT store near heat or open flame.

## 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 coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride), protective eyewear, and chemical resistant footwear and socks.

**General:** Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not allow contact of contaminated clothing with unprotected skin. 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/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

**Physical State:** Yellow liquid

**Odor:** pungent

**Flashpoint:** Not detectable

**pH:** 5-6 (1% aq.)

**Density:** 1.2-1.3 g/mL

**Solubility:** Soluble

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. Thermal decomposition can lead to the formation of noxious and toxic fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 0.967 mg/L (4-hour)  
(highest dose given)

**EYE IRRITATION:** Non-irritating

**SKIN IRRITATION:** Mildly irritating

**SKIN SENSITIZATION:** Positive contact sensitizer

**CARCINOGENICITY:**

**EPA:** Suggestive evidence of carcinogenicity to humans

**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.

**REPRODUCTIVE TOXICITY:** Not a known reproductive toxicant.

## 12. ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic invertebrates.

**The following information is for the active ingredient, fluazinam:**

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 0.036 mg/L

Daphnia (48-hour LC<sub>50</sub>): 0.22 mg/L

Algae (96-hr LC<sub>50</sub>): 0.16 mg/L

**AVIAN TOXICITY**

Bobwhite quail (oral LD<sub>50</sub>): 1,782 mg/kg

Mallard Duck (oral LD<sub>50</sub>): > 4,190 mg/kg

**OTHER TOXICITY**

Honey Bee (oral LD<sub>50</sub>): > 100 µg/bee (not toxic to bees)

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**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 (shipped by land):**

**Containers ≤ 119 gals. (450 L):** Not regulated

**Containers > 119 gals. (450 L):**

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III

Emergency Response Guide: 171

Marine Pollutant: Yes

**IMDG (shipped by vessel):**

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III, Marine Pollutant

**IATA (shipped by air):**

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III

## 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. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

##### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

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

#### 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

Not listed

#### CERCLA Reportable Quantity (RQ) -

Not listed

#### CALIFORNIA PROP 65 STATUS -

This product does not contain any ingredients known to the state of California to cause cancer or 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.

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

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