



## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Token™ SC  
**DESCRIPTION:** liquid fungicide  
**EPA File Symbol:** 91234-133  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

Very toxic to aquatic life. (H400)

#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
None	-	None	-
		Environmental Hazards	Category
		Hazardous to the Aquatic Environment – Acute	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

#### PRECAUTIONARY STATEMENTS

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

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
Fludioxonil	4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile	131341-86-1	11.8%

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. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

### 5. FIREFIGHTING MEASURES

**Flash Point:** >230°F

**Flammability Limits:** not determined

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

**Extinguishing Medium:** Foam, dry chemical, or carbon dioxide (CO<sub>2</sub>). If water is used to fight fire, dike and collect runoff.

**Fire Fighting Equipment:** Firefighters should wear appropriate protective equipment and 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. No action shall be taken involving any personal risk or without suitable training. 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. Decontaminate firefighting gear and personal protective equipment before reuse.

**Hazardous Combustion Products:** Not available

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

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

**Spill Cleanup:** Control the spill at its source. Contain the 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. Cover entire spill with absorbing material and place into 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 or clothing.

**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:** When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

**Protective Clothing:** Applicators and other handlers must wear: long-sleeved shirt, long pants 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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. Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	white liquid
<b>Odor:</b>	moderately sweet
<b>Melting/freezing point:</b>	not available
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available
<b>Flash point:</b>	> 230°F
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	6-7 (1% dispersion)
<b>Kinematic viscosity:</b>	not available
<b>Solubility:</b>	1.8 mg/l @ 77°F (25°C)
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	2,9 x 10 <sup>(-9)</sup> mmHg @ 77°F (25°C)
<b>Pycnometer Density:</b>	1.05 g/cm <sup>3</sup> @ 25°C
<b>Relative vapor density:</b>	not available
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Not reactive, none known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** None known.

## 11. TOXICOLOGICAL INFORMATION

**Information presented below is from testing done on a substantially similar product:**

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.09 mg/L (4-hour)

**EYE IRRITATION:** Non-Irritating (Rabbit)

**SKIN IRRITATION:** Non-Irritating (Rabbit)

**SKIN SENSITIZATION:** Not a Sensitizer (Guinea Pig)

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** Not Listed

**IARC:** Not Listed

**NTP:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No data available

**REPRODUCTIVE TOXICITY:** Delayed development at doses causing maternal toxicity.

**TERATOGENICITY:** No data available

## 12. ECOLOGICAL INFORMATION

Fludioxonil is very toxic to fish, aquatic invertebrates, and aquatic plants.

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

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 0.47 ppm

Daphnia magna (48-hour EC<sub>50</sub>): 0.9 ppm

Green Algae (120-hr EC<sub>50</sub>): 0.087 ppm

**AVIAN TOXICITY**

Bobwhite Quail (14-day LD<sub>50</sub>): > 2000 mg/kg

Does not bioaccumulate, persistent in soil, stable in water, Low mobility in soil. Sinks in water (after 24 h).

## 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 label for further container disposal instructions.

## 14. TRANSPORT INFORMATION

### US-DOT:

**Containers ≤ 1.3 gal. (5 L) in strong outer packaging:**

Not regulated

**Containers > 1.3 gal. (5 L) shipped "ground only":**

Not regulated

**Containers > 1.3 gal. (5 L) shipped all or in part by vessel:**

Shipping Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (fludioxonil), 9, PG III, Marine Pollutant 171

Emergency Guide: 171

### IMDG:

**Containers ≤ 1.3 gal. (5 L) in strong outer packaging:**

Not regulated

**Containers > 1.3 gal. (5 L):**

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

### IATA:

**Containers ≤ 1.3 gal. (5 L) in strong outer packaging:**

Not regulated

**Containers > 1.3 gal. (5 L):**

Shipped internationally by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (fludioxonil), 9, PG III

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. Causes moderate eye irritation. Avoid contact with eyes or clothing.

See inside label booklet for additional precautionary statements.

##### ENVIRONMENTAL HAZARDS

For terrestrial uses: This product is toxic to fish, aquatic invertebrates, and oysters and shrimp. 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.

##### GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

##### SURFACE WATER ADVISORY

This chemical may contaminate water through drift of spray in wind. This chemical has a high potential for runoff for several months or more after application.

(continued)

## 15. REGULATORY INFORMATION (continued)

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not mix or allow coming in contact with oxidizing agents. 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

None

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

Immediate (acute)

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

Not listed

### SARA Title III - Section 313 Reportable Ingredients

None

### CERCLA Reportable Quantity (RQ) -

None

### 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.

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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Manufactured for:  
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