

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Durant 2L  
**DESCRIPTION:** A liquid insect growth regulator.  
**EPA Reg. No.:** 83520-46

**COMPANY IDENTIFICATION:**  
**Tacoma Ag, LLC**  
111 Martin Road  
Fulton, MS 38843

## 2. HAZARD IDENTIFICATION



**WARNING**  
Very toxic to aquatic life

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Diflubenzuron	[[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide	35367-38-5	22.0%

## 4. FIRST AID MEASURES

Have the Durant 2L container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product, including health concerns, medical emergencies, or pesticide incidents, you may call CHEMTREC at 1-800-424-9300, 24 hours per day, 7 days per week.

## 5. FIREFIGHTING MEASURES

**Flash Point:** N/A

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

**Fire and Explosion Hazards:** Thermal decomposition will release irritating gases and fumes (see Section 10).

**Extinguishing Medium:** Foam, CO<sub>2</sub>, dry chemical or water fog.

**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. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

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

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Evacuate unprotected and unnecessary personnel from area of spill. Keep people away from and upwind of spill/leak. Wear personal protective equipment as described in Section 8 of this document.

**Environmental Precautions:** Prevent spill from entering waterways, sewers, basements or confined areas.

**Spill Cleanup:** Cover spill with suitable absorbent material such as sand or earth. Sweep up spill and shovel into suitable container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid swallowing, inhaling, and contact with skin and eyes. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** Do not contaminate water, food or feed by storage or disposal. Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

## 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 long-sleeved shirt & long pants; chemical-resistant gloves, such as barrier laminate or butyl rubber  $\geq 14$  mils or nitrile rubber  $\geq 14$  mils or neoprene rubber  $\geq 14$  mils or natural rubber  $\geq 14$  mils or polyethylene or polyvinyl chloride (PVC)  $\geq 14$  mils or Viton  $\geq 14$  mils, when mixing and loading and also when using hand-held equipment; shoes plus socks.

**General:** Remove clothing/PPE 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Pinkish brown liquid

**Odor:** Mildly bitter

**Flash Point:** N/A

**pH:** 8.0 – 9.0 (1% aq. @ 25°C)

**Density:** 1.09 g/mL (9.1 lbs/gal) @ 26°C

**Solubility:** Soluble in water

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None when stored and handled as prescribed. Thermal decomposition may release noxious and toxic fumes

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents, strong acids, and bases.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 4.8 mg/L (4-hour)

**EYE IRRITATION:** Mildly irritating

**SKIN IRRITATION:** Slightly irritating

**SKIN SENSITIZATION:** Guinea pig – not a contact sensitizer

**CARCINOGENICITY:**

**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:** No evidence in animal studies.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to terrestrial juvenile insects and aquatic invertebrates/mollusks/insects.

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

**The following is for the active ingredient, diflubenzuron:**

### AQUATIC TOXICITY

Rainbow Trout (96-hour LC<sub>50</sub>): > 0.2 mg/L

Daphnia (48-hour LC<sub>50</sub>): 7.1 µg/L

Algae (LC<sub>50</sub>): > 0.3 mg/L

### AVIAN TOXICITY

Bobwhite Quail (8-d LD<sub>50</sub>): > 4640 mg/kg

Mallard Duck (8-d LD<sub>50</sub>): > 4640 mg/kg

## 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 this container. Refer to the product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

### US DOT (shipped by land):

**Containers < 119 gallons (450 L):** Not regulated by DOT.

### Containers > 119 gallons (450 L):

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

Emergency Response Guide: 171

Marine Pollutant: Yes

### IMDG (shipped by vessel):

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

### IATA (shipped by air):

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Diflubenzuron), 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

##### ENVIRONMENTAL HAZARDS

This pesticide is toxic to terrestrial juvenile insects and aquatic invertebrates/mollusks/insects. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Bees and other insect pollinators can be exposed to this pesticide from:

- Direct contact during foliar applications, or contact with residues on plant surfaces after foliar application
- Ingestion of residues in nectar and pollen when the pesticide is applied as a foliar application
- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site

When Using This Product, Take Steps To:  
Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in reduced immature bee viability.

##### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow this product to come in contact with an oxidizing agent such as potassium permanganate. 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.

#### SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

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

Immediate, Delayed

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

N/A

#### SARA Title III – Section 313 Reportable Ingredients

Diflubenzuron (22.0%) (CAS No. 35367-38-5)

#### CERCLA –

N/A

#### CALIFORNIA PROP 65 STATUS –

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### CANADA –

This product has been classified in accordance with the hazards criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

## **16. OTHER INFORMATION**

### **REFER TO THE PRODUCT LABEL FOR TERMS AND CONDITIONS OF USE**

#### **Warranty Disclaimer**

Tacoma Ag, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth in the product label. Tacoma Ag, LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

The terms of the Warranty Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Tacoma Ag, LLC or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer in any manner.

SDS Version: 1.0

Effective Date: 02/02/2017