

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Alligare Fluridone

**DESCRIPTION:** A liquid herbicide.

**EPA Reg. No.:** 81927-45

**COMPANY IDENTIFICATION:**

**Alligare, LLC**

13 N. 8<sup>th</sup> Street

Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

### WARNING

Harmful if swallowed, in contact with skin, or if inhaled

(H302+H312+H332)

Causes eye irritation (H320)

Toxic to aquatic life (H401)



### HAZARD CLASSIFICATION

**Health Hazards**

Acute toxicity, oral

**Category**

4

Acute toxicity, inhalation

4

Acute toxicity, dermal

4

Serious eye damage / eye irritation

2B

**Physical Hazards**

N/A

**Category**

-

**Environmental Hazards**

Hazardous to the aquatic environment, acute

**Category**

2

### HAZARDS NOT REQUIRING CLASSIFICATION

None.

### PRECAUTIONARY STATEMENTS

Use only outdoors or in a well-ventilated area. (P271)

Avoid breathing mist/vapors/spray. (P261)

Do not eat, drink, or smoke when using this product. (P270)

Wash hands and skin thoroughly after handling. (P264)

Wear protective gloves / protective clothing. Refer to Section 8 for specific PPE requirements. (P280)

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. (P305+P351+P338+P337+P313)

**IF ON SKIN:** Wash with plenty of water. Call a Poison Center/doctor if you feel unwell. Specific treatment (see Section 4 of this document). Take off contaminated clothing and wash it before reuse. (P302+P352+P312+P321+P362+P364)

**IF SWALLOWED:** Call a Poison Center/doctor if you feel unwell. Rinse mouth. (P301 +P312+P330)

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a Poison Center/doctor if you feel unwell. (P304+P340+P312)

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

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**

Fluridone

**Chemical Name**

1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1*H*)-pyridinone

**CAS #**

59756-60-4

**Composition**

41.7%

#### 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 1-800-424-9300 for emergency medical treatment information.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice / attention.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Call a doctor or poison control center if you feel unwell.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a doctor or poison control center if you feel unwell.

#### 5. FIREFIGHTING MEASURES

**Flash Point (SCC):** 93.3°C (200°F)

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

**Fire and Explosion Hazards:** Product will not burn unless sufficient water is evaporated. Once sufficient water has been evaporated, this product will exhibit flammability characteristics of the organic portion of the formulation.

**Extinguishing Medium:** Use extinguishing media as appropriate for the combustibles involved in the fire.

**Fire Fighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and turnout gear.

**Fire Fighting Instructions:** Use water spray to cool containers. If area is heavily exposed to fire and if conditions permit, allow fire to burn itself out since water may increase the area contaminated.

**Hazardous Combustion Products:** May produce fumes containing chlorine, fluorine and oxides of nitrogen.

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

#### 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this SDS. For small spills, cover spill with absorbent material and shovel into suitable containers for disposal. For large spills, dike spill and prevent material from entering sewers, waterways or low areas. Recover as much material as possible for reuse, and then handle the remaining material as a small spill using the instructions above.

#### 7. HANDLING AND STORAGE

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

**Storage:** Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Protective Clothing:** Use NIOSH approved respirator, chemical goggles and a full face shield, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride and a protective suit.

**General:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Follow the manufacturer's instructions for cleaning and 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

<b>Appearance:</b>	Off white opaque viscous liquid	<b>pH:</b>	5.91
<b>Odor:</b>	slightly faint	<b>Kinematic viscosity:</b>	667.6 cP @ 20°C; 241.5 cP @ 40°C
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Dispersible
<b>Boiling point/Boiling range:</b>	Not available	<b>Partition coefficient:</b>	Not available
<b>Flammability:</b>	Not available	<b>Vapor pressure:</b>	Not available
<b>Flammability limits (upper/lower):</b>	Not available	<b>Density:</b>	1.164 g/mL (9.71 lbs/gal)
<b>Flash point:</b>	Not available	<b>Relative vapor density:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available	<b>Particle characteristics:</b>	Not available
<b>Decomposition temperature:</b>	Not available		

## 10. STABILITY AND REACTIVITY

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

**CONDITIONS TO AVOID:** Freezing temperatures.

**SUBSTANCES TO AVOID:** Oxidizing agents.

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

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** 1,750 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.02 mg/L

**EYE IRRITATION:** Rabbit – Moderately irritating

**SKIN IRRITATION:** Rabbit – Non-irritating

**SKIN SENSITIZATION:** Not a contact sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** Not Listed                      **NTP:** Not Listed

**IARC:** Not Listed                      **OSHA:** Not Listed

**MUTAGENIC TOXICITY:** No data available.

**REPRODUCTIVE TOXICITY:** No data available.

## 12. ECOLOGICAL INFORMATION

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

Follow use directions carefully so as to minimize adverse effects on nontarget organisms. Do not contaminate water when disposing of equipment washwaters. Trees, turf, and shrubs growing in water treated with Alligare Fluridone may occasionally develop chlorosis. Do not apply in tidewater/brackish water. Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment site, for example, shallow shoreline areas.

**AQUATIC TOXICITY**

Rainbow Trout (96-hr LC<sub>50</sub>): 7.7 mg/L

Sheepshead Minnow (LC<sub>50</sub>): 10.7-16.7 mg/L

Daphnia (48-hr EC<sub>50</sub>): 3.6 mg/L

## 13. DISPOSAL CONSIDERATIONS

**Do not contaminate water, food or feed by disposal.**

**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 product label for specific disposal instructions.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	Not regulated
<b>Proper Shipping Name:</b>	Not regulated
<b>Transport Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Hazard Zone:</b>	Not applicable
<b>Marine Pollutant:</b>	No
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Not regulated for domestic ground transportation IMDG, IATA: Not regulated for transport under IMDG/IATA regulations.
<b>Emergency Guide:</b>	Not applicable

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, absorbed through skin, or if inhaled. Causes moderate eye irritation. Avoid breathing of spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

#### ENVIRONMENTAL HAZARDS

Do not apply to water except as specified on the label. Follow use directions carefully so as to minimize adverse effects on non-target organisms. Do not contaminate water when disposing of equipment washwaters. Trees, turf, and shrubs growing in water treated with this product may occasionally develop chlorosis. Do not apply in tidewater/brackish water. Lowest rates should be used in shallow areas where the water depth is considerably less than the average depth of the entire treatment side, for example, shallow shoreline areas.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come in contact with oxidizing agents, as Hazardous Chemical Reactions may occur.

## 15. REGULATORY INFORMATION (cont.)

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, Delayed

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

N/A

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

None

### **CERCLA –**

None Listed

### **CALIFORNIA PROP 65 STATUS –**

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

### **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 INFORMATION IN THIS SDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT ALLIGARE, LLC TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS. JUDGMENTS AS TO THE SUITABILITY OF THE INFORMATION HEREIN FOR THE INDIVIDUAL'S OWN USE OR PURPOSES IS NECESSARILY THE INDIVIDUAL'S OWN RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, ALLIGARE, LLC EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS, AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE INDIVIDUAL'S PURPOSES OR THE CONSEQUENCES OF ITS USE.

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.

SDS Version: 3.0

Effective Date: 07/09/2018