

MATERIAL SAFETY DATA SHEET

Emergency Call: 1-800-434-9300 (CHEMTREC)

Effective Date: February 13, 2012

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Alligare Fluridone RTU

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 81927-51

COMPANY IDENTIFICATION:

Alligare, LLC

13 North 8th Street

Opelika, AL 36801

2. HAZARD IDENTIFICATION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION May cause slight eye or skin irritation.

ENVIRONMENTAL HAZARDS: Trees and shrubs growing in water treated with this product may occasionally develop chlorosis. Do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Fluridone	1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone	59756-60-4	3.8%
Alcohol	Proprietary	Proprietary	5-10%

4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time or your poison control center at 1-800-222-1222.

5. FIRE-FIGHTING MEASURES

Flash Point (PMCC): N/A

Flammable Limits (LFL-UFL): Not Determined

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

Extinguishing Medium: Water spray, foam, CO₂, or dry chemical.

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 – 0 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

For Chemical Emergencies (spill, leak, fire, exposure, or accident) call CHEMTREC at 1-800-434-9300 or 1-703-527-3887 if calling from outside of the U.S.

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

Absorb small spills with dry material and discard in a disposal container. Stop the leak, if possible. Ventilate the space involved. Construct a dike to prevent spreading and prevent waterway contamination. Collect run-off water and transfer to drums or tanks for later disposal.

7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Handle and open container in a manner as to prevent spillage.

Keep container stored with nozzle in closed position. Store product in original container in a safe place away from direct sunlight. Keep from freezing.

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: Shirt and long pants and shoes plus socks.

General: Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Tan Viscous Liquid

Odor: Musty, menthol-like

Specific Gravity: 1.07 g/mL

pH: 6.0 – 6.5

Solubility: Dispersible in Water

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Freezing temperatures.

CHEMICAL STABILITY: Stable but may decompose if burned.

HAZARDOUS DECOMPOSITION PRODUCTS: None when stored and handled as prescribed. Thermal decomposition may release harmful vapors.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids and oxidizing materials.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following information is for the active ingredient, Fluridone:

ORAL TOXICITY (rat LD₅₀): > 10,000 mg/kg

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

INHALATION TOXICITY (rat LC₅₀): > 4.12 mg/L (4-hour)

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Mildly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

ACGIH: Not Listed

IARC: Not Listed

NTP: 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

Do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Trees and shrubs growing in water treated with Alligare Fluridone RTU may occasionally develop chlorosis.

The following information is for the active ingredient, Fluridone:

BIRDS: Acute oral LD₅₀ for bobwhite quail: >2000 mg/kg.

FISH: LC₅₀ (96 h) for rainbow trout: 11.7 mg/L.

DAPHNIA: LC₅₀ (48 h): 6.3 ppm.

BEES: LD₅₀ (oral and contact, 48 h): >362 µg/bee.

WORMS: LC₅₀ (14 d) for earthworms: >102 ppm.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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: Non-refillable container, do not reuse or refill this container. Refer to the product label for specific disposal instructions.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT

REPORTABLE QUANTITY: N/A

MARINE POLLUTANT: Not a marine pollutant

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. 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

None

CERCLA –

None

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals known to the State of California to cause reproductive harm or cancer.

16. OTHER INFORMATION

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

DISCLAIMER:

THE INFORMATION IN THIS MSDS 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 Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS 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.