

MATERIAL SAFETY DATA SHEET

Emergency Call: 1-866-303-6952 (PROSAR)

Effective Date: April 21, 2011

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Alligare Fluroxypyr Herbicide

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 66330-385-81927

COMPANY IDENTIFICATION:

Alligare, LLC

13 North 8th Street

Opelika, AL 36801

2. HAZARD IDENTIFICATION

You may contact PROSAR at 1-866-303-6952 for emergency medical treatment information.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION Harmful if swallowed. Causes moderate eye irritation. Prolonged or repeated exposure may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS: This product is toxic to fish.

PHYSICAL OR CHEMICAL HAZARDS: Do not use or store near heat or open flame.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Fluroxypyr-meptyl	((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid,1-methylheptyl ester	081406-37-3	45.5%
Naphthalene	-	91-20-3	0.5%
N-Methyl-2-pyrrolidinone	-	872-50-4	0.1%

4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call PROSAR at 1-866-303-6952 or 1-651-632-8946 if calling from outside the United States.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard, contains petroleum distillate.

5. FIRE-FIGHTING MEASURES

Flash Point (PMCC): 145°F (63°C)

Flammable Limits (LFL-UFL): Not Determined

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

Extinguishing Medium: 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 – 2 / Flammability – 2 / 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. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

For spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. Place in non-sparking containers for recovery or disposal. Remove from spill location. Flush area with water spray, and collect rinsate. If disposal is required, refer to Section 13 of this MSDS for instructions.

7. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Avoid contact with skin, eyes and clothing. 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.

Do not use or store near heat or open flame. Store in a dry place above 10°F. Prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

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: Chemical resistant gloves (Category A), protective eyewear, long sleeved shirt and long pants and shoes plus socks.

General: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear, Pale-Yellow Liquid

Odor: Aromatic

Specific Gravity: 1.054 g/mL

Solubility: Miscible in Water

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperatures and flames.

CHEMICAL STABILITY: Stable but may decompose if burned.

HAZARDOUS DECOMPOSITION PRODUCTS: None when stored and handled as prescribed. Thermal decomposition may release oxides of nitrogen and carbon as well as compounds of chlorine and fluorine.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids, bases and oxidizing materials.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

INHALATION TOXICITY (rat LC₅₀): > 5.5 mg/L (4-hour)

EYE IRRITATION: Moderately irritating

SKIN IRRITATION: Has caused allergic skin reactions when tested in mice.

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

This pesticide is toxic to fish. 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 washwaters.

This material is slightly toxic to aquatic organisms on an acute basis (LC₅₀ between 10 and 100 mg/L in most sensitive species).

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

FISH: LC₅₀ (96 h) for rainbow trout and golden orfe >solubility limit.

DAPHNIA: LC₅₀ (48 h) >solubility limit.

ALGAE: EC₅₀ for (96 h) for green algae >solubility limit.

OTHER AQUATIC SPECIES: None available.

BEES: Not toxic to bees. LD₅₀ (oral and contact, 48 h) >100 µg/bee.

WORMS: Practically non-toxic to earthworms, LC₅₀ (14 d) for earthworms >1000 mg/kg.

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. Triple rinse or pressure rinse container (or equivalent) promptly after emptying (refer to product label for specific instructions). Offer for recycling, if available.

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, Fire

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

Naphthalene (CAS #91-20-3): 0.5%

N-Methyl-2-pyrrolidinone (CAS #872-50-4): 0.1%

CERCLA –

Naphthalene (CAS #91-20-3): 0.5%

CALIFORNIA PROP 65 STATUS –

This product contains chemicals known to the State of California to cause reproductive harm (N-Methylpyrrolidone - CAS #872-50-4) and cancer (Naphthalene - CAS #91-20-3).

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.