

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-303-6952 (PROSAR)



1. IDENTIFICATION

PRODUCT NAME: Alligare Fluroxypyr Herbicide
DESCRIPTION: A liquid herbicide.
EPA Reg. No.: 66330-385-81927

COMPANY IDENTIFICATION:

Alligare, LLC
13 N. 8th Street
Opelika, AL 36801

2. HAZARD IDENTIFICATION



DANGER

May damage fertility of the unborn child
Suspected of causing cancer
Causes eye irritation
May be harmful if swallowed



Very toxic to aquatic life with long lasting effects

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Fluroxypyr-meptyl	((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid, 1-methylheptyl ester	81406-37-3	45.5%
Naphthalene		91-20-3	< 5.4%
N-Methyl-2-pyrrolidinone		872-50-4	7.5%
Heavy aromatic naphtha solvent		64742-94-5	38.1 – 38.4%
2-methylnaphthalene		91-57-6	< 9.8%
1-methylnaphthalene		91-12-0	< 4.7%
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts		68953-96-8	1.9 – 2.1%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation occurs: Get medical advice/attention.

IF SWALLOWED: Call a doctor or poison control center if you feel unwell. 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.

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

5. FIREFIGHTING MEASURES

Flash point (PMCC): 145°C (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 turnout 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.

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.

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

Handling: 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.

Storage: 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

Appearance: Clear, pale-yellow liquid

Odor: Aromatic

pH: 5.66

Specific Gravity: 1.1025 g/ml @ 25°C

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.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 3,738 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 6.2 mg/L (4-hour)

EYE IRRITATION: Moderately irritating

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Group C (Naphthalene)

ACGIH: Not Listed

NTP: Not Listed

IARC: Group 2B (Naphthalene)

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: The ingredient N-Methyl-2-pyrrolidinone (CAS #872-50-4) may damage fertility or the unborn child.

12. ECOLOGICAL INFORMATION

This pesticide is very toxic to aquatic life with long lasting effects.

The following information is for the active ingredient, Fluroxypyr-methyl:

AQUATIC TOXICITY

Rainbow Trout (96-hr LC₅₀): 13.4-100 mg/l

Bluegill (96-hr LC₅₀): > 14.3 mg/L

Daphnia (48-hr EC₅₀): > 0.183 mg/L

AVIAN TOXICITY

Bobwhite Quail (Oral LD₅₀): > 2,000 mg/kg

Mallard Duck (8-day Dietary LC₅₀): > 2,000 ppm

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or 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: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container handling instructions.

14. TRANSPORT INFORMATION

US DOT:

Shipped in non-bulk containers < 1,867 lbs. (< 212 Gallons):

Not regulated by DOT.

Shipped in bulk containers \geq 1,867 lbs. (\geq 212 Gallons):

DOT Shipping Name:	UN3082, Environmental Hazardous Substance, Liquid, N.O.S. (contains Naphthalene), 9, PG III
Reportable Quantity (RQ):	100 lbs. (212 gallons of product)
DOT Emergency Response Guide:	171
Marine Pollutant:	No

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. Avoid contact with eyes, skin, or clothing. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift or runoff from treated areas as this product may be hazardous to aquatic organisms and non-target plants. Do not contaminate water when disposing of equipment wash waters. Do not allow sprays to drift onto adjacent desirable plants.

PHYSICAL AND CHEMICAL HAZARDS

Do no use or store near heat or open flame.

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

Naphthalene (CAS #91-20-3): < 5.3536%

N-Methyl-2-pyrrolidinone (CAS #872-50-4): 7.5%

CERCLA –

Naphthalene (CAS #91-20-3): 100 lbs. (212 gallons of product)

CALIFORNIA PROP 65 STATUS –

This product contains chemicals known to the State of California to cause reproductive harm (N-Methyl-2-pyrrolidinone - CAS #872-50-4) and cancer (Naphthalene - CAS #91-20-3).

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: 2.1 (Conversion from MSDS format)

Effective Date: 05/15/2015