

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare CLEARGRAZE™ Pasture Herbicide
DESCRIPTION: A liquid herbicide.
EPA Reg. No.: 81927-65

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

2. HAZARD IDENTIFICATION

WARNING

May be harmful if swallowed (H303)

Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazard
Acute Toxicity, Oral

Category
5

Other Hazards
Hazardous to the aquatic environment, long-term
Hazardous to the aquatic environment, acute

Category
1
1

HAZARDS NOT REQUIRING CLASSIFICATION

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

PRECAUTIONARY STATEMENTS

Call a poison control center or doctor if you feel unwell. Refer to first aid information in Section 4 for additional instructions. (P312)

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

Collect spillage. (P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Triclopyr BEE	[(3,5,6-trichloro-2-pyridyl)oxy] 2-butoxyethyl ester	64700-56-7	44-46%
Fluroxypyr-meptyl	1-methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate	81406-37-3	15-16%
Naphthalene	-	91-20-3	< 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. You may also contact 1-800-424-9300 for emergency medical treatment information.

IF SWALLOWED: Immediately call a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Fire and Explosion Hazards: Using direct streams of water may spread the fire. May decompose in fire due to thermal decomposition, releasing irritating and toxic gases.

Means of Extinction: Use water fog or fine spray, CO₂, foam or dry chemical. Alcohol-resistant (ATC) foams are preferred.

Fire Fighting Instructions: Evacuate area and fight fire upwind from a safe distance to avoid possible hazardous fumes and decomposition products. Dike runoff and do not allow runoff to enter sewers, storm drains or waterways. Foam and dry chemical extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Use water spray to cool fire exposed containers.

Firefighting Equipment: Self-contained breathing apparatus with full face piece and full bunker gear.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, hydrogen fluoride, hydrogen chloride and nitrogen oxides.

NFPA Ratings: Health: 1 / Flammability: 1 / Reactivity: 1

6. ACCIDENTAL RELEASE MEASURES

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

Small Spills: Absorb small spills using sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large Spills: Dike large spills using absorbent or impervious materials such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, scrape up and place in an appropriate container for disposal.

7. HANDLING AND STORAGE

Handling: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Store above 28°F or agitate before use. Prevent cross contamination with other pesticides, fertilizers, food, and feed.

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 and long pants, waterproof gloves, and shoes plus socks.

General: Remove clothing 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

Appearance: Pale yellow liquid

Odor: Mildly bitter

pH: 4.16

Density: 1.120 g/cm³ (9.35 lbs/gal) @ 25°C

Viscosity: 44.7 centipoise @ 25°C

Flashpoint (Closed Cup): Not Flammable

Flammable Limits (LFL-UFL): No data

Solubility in Water: No data

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Temperatures below 28°F

CHEMICAL STABILITY: Stable under normal use and transportation situations. Decomposes at elevated temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Heat may cause decomposition generating gasses and high pressures in closed systems.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents.

HAZARDOUS REACTIONS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 2,661 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,050 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.2 mg/L (4-hour)

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Slightly irritating

SKIN SENSITIZATION: Not a sensitizer

CARCINOGENICITY:

Contains naphthalene which has caused cancer in some laboratory animals. There is limited evidence of cancer in workers involved in naphthalene production. Limited oral studies in rats were negative. The active ingredients Triclopyr BEE and Fluroxypyr-meptyl in this product did not cause cancer in laboratory animals.

The following is for the ingredient, naphthalene (< 1.0%):

IARC: Group 2B (Possibly carcinogenic to humans)

US NTP: Reasonably anticipated to be a human carcinogen

ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* or *in vitro* studies.

REPRODUCTIVE TOXICITY: The active ingredients have been toxic to the fetus in laboratory animals at doses toxic to the mother but did not cause birth defects. One of the minor components of this product has been toxic to the fetus in laboratory animals as doses toxic to the mother and has caused birth defects in laboratory animals only at doses toxic to the mother.

12. ECOLOGICAL INFORMATION

Triclopyr BEE is toxic to aquatic organisms. Triclopyr has properties and characteristics associated with chemicals detected in groundwater.

The following is for the active ingredient, Triclopyr BEE:

Bluegill sunfish (LC₅₀): 0.36 ppm

Freshwater diatom (24-hr EC₅₀): 0.10 ppm

Rainbow trout (NOAEC): 0.026 ppm

Freshwater diatom (NOAEC): 0.002 ppm

Daphnia magna (EC₅₀): 1.7 ppm

Duckweed (EC₅₀): 0.88 ppm

Eastern oyster (EC₅₀): 0.46 ppm

Duckweed (NOAEC): < 0.16 ppm

The following is for the active ingredient, Fluroxypyr-meptyl:

Not toxic to aquatic organism at the limit of solubility.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: This product may be distributed in either nonrefillable or refillable containers. Refer to the product label for specific container handling instructions.

14. TRANSPORT INFORMATION

US DOT (shipped by land):

Not regulated by DOT.

IMDG / IATA (shipped by vessel or air):

Proper Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (triclopyr BEE), 9, PG III, Marine Pollutant

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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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

ENVIRONMENTAL HAZARDS

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. 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 cleaning equipment or disposing of equipment washwaters or rinsate.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow to come into contact with oxidizing agents. 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. 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 –

Naphthalene (CAS No. 91-20-3): < 1%, RQ: 100

CALIFORNIA PROP 65 –

Not listed

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: 1.0

Effective Date: 1/4/2018