

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare TRIUMPH XTR Herbicide
DESCRIPTION: A liquid herbicide.
EPA Reg. No.: 81927-64

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

2. HAZARD IDENTIFICATION

WARNING

Causes serious eye irritation (H319)
Causes skin irritation (H315)
Suspected of causing cancer (H351)
May be harmful if swallowed or inhaled (H303+H333)
Toxic to aquatic life (H401)



HAZARD CLASSIFICATION

Health Hazard	Category	Other Hazards	Category
Eye Damage / Irritation	2A	Aquatic Hazard, Acute	2
Skin Corrosion / Irritation	2		
Carcinogenicity	2		
Acute Toxicity, Inhalation	5		
Acute Toxicity, Oral	5		

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

Obtain special instructions before use and do not handle until all safety precautions have been read and understood. Wear protective clothing, eye protection and waterproof gloves. Wash hands and exposed skin thoroughly after handling. (P201+P202+P280+P264)

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 attention. (P305+P351+P338+P337+P313)

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. (P302+P352+P332+P313+P362+P364)

IF SWALLOWED: Call a poison control center or doctor if you feel unwell. Refer to first aid information in Section 4 for additional instructions. (P301+P312+P321)

IF INHALED: Call a poison control center or doctor if you feel unwell. (P304+P312)

IF EXPOSED OR CONCERNED: Get medical advice. (P308+P313)

Store locked up. (P405)

Avoid release to the environment in a manner 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

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Picloram	4-amino-3,5,6-trichloropicolinic acid, triisopropanolamine salt	6753-47-5	12-14%
Fluroxypyr	((4-amino-3,5-dichloro-6-flouro-2-pyridinyl)oxy)acetic acid, 1-methylheptyl ester	81406-37-3	10-12%
Naphthalene	-	91-20-3	< 3%

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 and easy to do, after the first five minutes, then continue rinsing. Call a doctor or poison control center for treatment advice.

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.

NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

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: 2 / 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: Avoid contact with eyes and clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Store in the original container and 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, chemical resistant gloves (barrier laminate or viton \geq 14 mils), 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: Transparent amber liquid
Odor: Moderate aromatic
pH: 6.85
Density: 1.075 g/cm³ (8.97 lbs/gal) @ 25°C
Viscosity: 64.3 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 10°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): > 3,129 mg/kg

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

INHALATION TOXICITY (rat LC₅₀): > 2.08 mg/L (4-hour)

EYE IRRITATION: Moderately Irritating

SKIN IRRITATION: Moderately 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 Picloram and Fluroxypyr-meptyl in this product did not cause cancer in laboratory animals.

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: One of the minor components of this product has interfered with reproduction only at high dose levels that caused significant toxicity to the parent animals.

12. ECOLOGICAL INFORMATION

Fluroxypyr is toxic to fish, and both picloram and fluroxypyr are toxic to some plants at very low concentrations. Non-target aquatic organisms and plants may be adversely affected if this product is allowed to drift from areas of application. 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. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment or disposal of wastes. Do not allow run-off or spray to contaminate wells, irrigation ditches, or any body of water used for irrigation or domestic purposes. Do not make application when circumstances favor movement from treatment site.

Picloram is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable particularly where the water table is shallow, may result in ground water contamination.

Picloram can contaminate surface water through spray drift. Under some conditions, picloram may also have a high potential for runoff into surface water (primarily via dissolution in runoff water). These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips and areas over-laying tile drainage systems that drain to surface water.

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 and may contaminate groundwater. 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: 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):

Containers < 119 gal (< 882 lbs.): Not regulated by DOT.

Containers \geq 119 gal (\geq 882 lbs.):

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, N.O.S. (fluroxypyr, naphthalene), 9, PG III

DOT Emergency Response Guide: 171

IMDG / IATA (shipped by vessel or air):

Proper Shipping Name: UN3082, Environmentally Hazardous Substance, N.O.S. (fluroxypyr, naphthalene), 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. Causes moderate eye irritation. Avoid contact with eyes or clothing.

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

ENVIRONMENTAL HAZARDS

Fluroxypyr is toxic to fish, and both picloram and fluroxypyr are toxic to some plants at very low concentrations. Non-target aquatic organisms and plants may be adversely affected if this product is allowed to drift from areas of application. 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. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment or disposal of wastes. Do not allow run-off or spray to contaminate wells, irrigation ditches, or any body of water used for irrigation or domestic purposes. Do not make application when circumstances favor movement from treatment site.

Picloram is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable particularly where the water table is shallow, may result in ground water contamination.

15. REGULATORY INFORMATION (cont.)

Picloram can contaminate surface water through spray drift. Under some conditions, picloram may also have a high potential for runoff into surface water (primarily via dissolution in runoff water). These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow this product to come in contact with an oxidizing agent such as potassium permanganate. 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): 1-3%, RQ: 100

CALIFORNIA PROP 65 –

⚠ NOTICE: This product can expose you to fluroxypyr which is known to the State of California to cause birth defects or other reproductive harm, and to naphthalene which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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: 11/19/2017