

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Alligare Everett Herbicide

**DESCRIPTION:** A liquid herbicide.

**EPA Reg. No.:** 81927-29

**COMPANY IDENTIFICATION:**

**Alligare, LLC**

13 N. 8<sup>th</sup> Street

Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

### WARNING

May cause an allergic skin reaction (H317)

Causes eye irritation (H320)

Harmful if swallowed (H302)

Combustible liquid (H227)

Toxic to aquatic life (H401)



### HAZARD CLASSIFICATION

**Health Hazards**

Sensitization-Skin

Serious eye damage / eye irritation

Acute toxicity, oral

**Category**

1, 1A, 1B

2B

4

**Physical Hazards**

Flammable liquid

**Category**

4

**Environmental Hazards**

Hazardous to the aquatic environment, acute

**Category**

2

### HAZARDS NOT REQUIRING CLASSIFICATION

None.

### PRECAUTIONARY STATEMENTS

Wash hands and skin thoroughly after handling. (P264)

Avoid breathing mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves and other protective clothing as described in Section 8. (P261+P272+P280)

Keep away from flames and hot surfaces. No smoking. (P210)

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Specific treatment refer to Section 4 for additional medical information. Take off contaminated clothing and wash it before reuse. (P302+P352+P333+P313+P321+P362+P364)

**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 advice or attention. Refer to Section 4 for additional medical information. (P305+P351+P338+P337+P313)

**IF SWALLOWED:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. (P301+P312+P330)

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

Store in a well-ventilated place. Keep cool. (P403+P235)

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-pyridinyloxyacetic acid, butoxyethyl ester	64700-56-7	16.5%
2,4-D BEE	2,4-dichlorophenoxyacetic acid, butoxyethyl ester	1929-73-3	34.4%
Aromatic solvent	--	64742-94-5	< 40.0%
Napthalene	--	91-20-3	< 6.0%

#### 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, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**NOTE TO PHYSICIAN:** This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.

#### 5. FIREFIGHTING MEASURES

**Flash Point (SCC):** 60.7°C (142°F)

**Flammable Limits (LFL-UFL):** Not determined

**Fire and Explosion Hazards:** May thermally decompose in fire releasing irritating and toxic fumes including hydrogen chloride, oxides of nitrogen, chlorinated pyridine and phosgene.

**Extinguishing Medium:** Foam, CO<sub>2</sub>, dry chemical, or water spray.

**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.

**NFPA Ratings:** Health – 2 / Flammability – 2 / Reactivity - 0

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

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

**Large Spills:** Dike spillage and recover and retain as much free liquid as possible for reuse. Pick up remainder with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. After removal, thoroughly clean contaminated area with water. Collect wash water for approved disposal.

#### 7. HANDLING AND STORAGE

**Handling:** Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective clothing and equipment as specified in Section 8 below). Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** Keep out of reach of children and animals. Keep in the original container in a cool (above 10°F), dry, well-ventilated place. Protect containers from physical damage and contamination.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Pesticide Applicators and Workers:** Refer to the product label attached to the product.

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

**Personal Protective Equipment (PPE):** Handlers must wear protective eyewear, long-sleeved shirt, long pants, shoes plus socks and chemical resistant gloves. When mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate, wear chemical-resistant apron in addition to other required PPE. 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.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Brown Liquid	<b>Solubility:</b>	Emulsifies
<b>Odor:</b>	Paint-like	<b>Partition coefficient:</b>	log P <sub>ow</sub> (triclopyr acid) = 0.42 (pH 5); -0.45 (pH 7); -0.96 (pH 9)
<b>Melting/freezing point:</b>	not applicable		log P <sub>ow</sub> (2,4-D acid) = 2.58-2.83 (pH 1); 0.04-0.33 (pH 5); -0.75 (pH 7)
<b>Boiling point/Boiling range:</b>	no data		
<b>Flammability:</b>	not available	<b>Vapor pressure:</b>	0.2 mPa (triclopyr acid) 1.86 x 10 <sup>-2</sup> mPa (2,4-D Acid)
<b>Flammability limits (upper/lower):</b>	no data		1.1-1.13 g/ml (9.2-9.4 lbs/gal)
<b>Flash point:</b>	142°F (60.7°C)	<b>Density:</b>	not applicable
<b>Auto-ignition temperature:</b>	no data	<b>Relative vapor density:</b>	not applicable
<b>Decomposition temperature:</b>	no data	<b>Particle characteristics:</b>	not available
<b>pH:</b>	3.1-4.1		
<b>Kinematic viscosity:</b>	8.8 cSt (20°); 4.7 cSt (40°)		

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal use and storage conditions. May decompose if heated.

**CONDITIONS TO AVOID:** Temperatures above 40°C (105°F) and below 6°C (40°F).

**SUBSTANCES TO AVOID:** Strong acids and oxidizing materials.

**HAZARDOUS REACTIONS:** This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may create hydrogen chloride, oxides of nitrogen and phosgene.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** 1,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 4.1 mg/L

**EYE IRRITATION:** Rabbit – Moderately irritating

**SKIN IRRITATION:** Rabbit – Slightly irritating

**SKIN SENSITIZATION:** Potential skin sensitizer after repeated exposure to concentrate.

**CARCINOGENICITY:**

**EPA:** Not Listed

**ACGIH:** Not Listed

**IARC:** Class 2B (chlorophenoxy herbicides)

**NTP:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** Little evidence of mutagenic effects during *in vivo* or *in vitro* studies.

**REPRODUCTIVE TOXICITY:** No evidence in animal studies.

**TERATOGENICITY:** Evidence of birth defects and reproductive effects in vivo or in vitro studies.

## 12. ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

2,4-D 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. Application around a cistern or well may result in contamination of drinking water or groundwater.

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.

**FISH TOXICITY:** (BEE ester formulation)

96 hour LC<sub>50</sub>, Rainbow trout: 1.3 ppm

96 hours LC<sub>50</sub>, Bluegill: 1.5 ppm

**AVIAN TOXICITY:** (BEE ester formulation)

Dietary LC<sub>50</sub>, Bobwhite quail: > 9,000 ppm

Dietary LC<sub>50</sub>, Mallard duck: > 10,000 ppm

**BEE TOXICITY:** (triclopyr acid): > 100 µg/bee

**FISH TOXICITY:** (2,4-D Acid)

96 hour LC<sub>50</sub>, Rainbow trout: 250 mg/L

96 hours LC<sub>50</sub>, Bluegill: 524 mg/L

**AVIAN TOXICITY:** (2,4-D Acid)

Oral LD<sub>50</sub>, Bobwhite quail: 500 mg/kg

Dietary LC<sub>50</sub>, Mallard duck: > 5,500 ppm

**BEE TOXICITY:** (2,4-D acid): unknown

## 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:** Nonrefillable container, do not reuse or refill this container. Refer to product label for specific container disposal instructions.

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	NA1993
<b>Proper Shipping Name:</b>	Combustible Liquid, N.O.S. (contains petroleum solvent)
<b>Transport Hazard Class:</b>	Combustible Liquid
<b>Packing Group:</b>	III
<b>Hazard Zone:</b>	A
<b>Marine Pollutant:</b>	No
<b>Hazardous Substance RQ:</b>	2,4-D BEE (CAS #1929-73-3): RQ 100 lbs. (approx. 50 gallons of product)
<b>Labels / Placards:</b>	US-DOT: Combustible Liquid <sup>1</sup> IMDG, IATA: Not classified as a hazardous material

**Emergency Guide:** 128 (NA1993) (NAERG – North American Emergency Response Guide)

<sup>1</sup> **US-DOT Note:** Containers ≥ 50 gallons shipped over land must be labeled with the following: NA1993, Combustible Liquid, N.O.S. (contains petroleum solvent), PG III

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 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. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

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

##### ENVIRONMENTAL HAZARDS

This product may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

2,4-D 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. Application around a cistern or well may result in contamination of drinking water or groundwater.

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. Mixing and Loading: Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

##### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

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, Fire

### SARA Title III – Section 312 Threshold Planning Quantity

N/A

### SARA Title III – Section 313 Reportable Ingredients

2,4-D BEE (CAS #1929-73-3): 34.4%

### CERCLA –

2,4-D BEE (CAS #1929-73-3): RQ 100 lbs. (approximately 50 gallons of product)

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive toxicity.

### 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: 3.0

Effective Date: 07/09/2018