

# MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: October 8, 2008

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Alligare Everett Herbicide

**DESCRIPTION:** A liquid herbicide.

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

### COMPANY IDENTIFICATION:

**Alligare, LLC**

13 North 8<sup>th</sup> Street

Opelika, AL 36801

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	Formula	CAS #	Composition
Triclopyr BEE	3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester	C <sub>13</sub> H <sub>16</sub> Cl <sub>3</sub> NO <sub>4</sub>	64700-56-7	16.5%
2,4-D BEE	2,4-dichlorophenoxyacetic acid, butoxyethyl ester	C <sub>14</sub> H <sub>18</sub> Cl <sub>2</sub> O <sub>2</sub>	1929-73-3	34.4%
Kerosene	Kerosene		8008-20-6	> 25%

## 3. HAZARD IDENTIFICATION

**Health Hazards:** Harmful if swallowed. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

**Physical Hazards:** May release toxic fumes if burned.

**Environmental Hazards:** This product may be toxic to fish and aquatic invertebrates. 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.

## 4. FIRST AID

**NOTE:** 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.

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

## 5. FIRE-FIGHTING MEASURES

**Flash Point (SCC):** >60°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 – 3 / Flammability – 1 / Reactivity - 1

## 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

**Physical State:** Clear Brown Liquid

**Odor:** Paint-like

**pH:** 3.5 – 4.0

**Specific Gravity:** 0.988 g/ml @ 20°C (8.3 lbs/gal)

**Vapor Pressure:** 0.1 mm # 37°C (kerosene)

**Solubility:** Emulsifies

## 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:** Does not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

LD<sub>50</sub> (rat): > 2,000 mg/kg

### ACUTE DERMAL TOXICITY

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

### ACUTE INHALATION TOXICITY

LC<sub>50</sub> (rat): No data available

**EYE IRRITATION:** Moderate

**SKIN IRRITATION:** Slight

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

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

### CARCINOGENICITY:

**ACGIH:** Not Listed

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

**NTP:** Not Listed

**OSHA:** Not Listed

**MUTAGENIC TOXICITY:** Little evidence of mutagenic effects during *in vivo* and *in vitro* assays.

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

## 12. ECOLOGICAL INFORMATION

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.

### 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.** Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

(Nonrefillable < 5 gallons): Triple rinse as follows - Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(Nonrefillable > 5 gallons): Triple rinse as follows - Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

### 14. TRANSPORT INFORMATION

**CONTAINERS < 34 Gallons:** Not Regulated by DOT

**CONTAINERS ≥ 34 and < 119 Gallons Net Content:**

DOT PROPER SHIPPING NAME: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, NOS (contains 2,4-D BEE), 9, PG III

DOT EMERGENCY RESPONSE GUIDE: 171

**CONTAINERS ≥ 119 Gallons Net Content:**

DOT PROPER SHIPPING NAME: NA1993, COMBUSTIBLE LIQUID, NOS (contains kerosene), 3, PG III  
DOT EMERGENCY RESPONSE GUIDE: 128

### 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.

**OSHA HAZARD COMMUNICATION STANDARD STATUS**

N/A

**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**

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

**SARA Title III – Section 313 Reportable Ingredients**

2,4-D BEE (CAS No. 1929-73-3)

**CERCLA –**

Ingredient

RQ

2,4-D Acid (CAS No. 1929-73-3) 100 lbs. (approximately 50 gallons of product)

**California Prop 65 Status –**

This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

## 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.