

# MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: June 3, 2008

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Alligare Triclopyr 3  
**DESCRIPTION:** A liquid herbicide.  
**EPA Reg. No.:** 81927-13

### COMPANY IDENTIFICATION:

Alligare, LLC  
13 North 8<sup>th</sup> Street  
Opelika, AL 36801  
888-255-4427

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Chemical Name</u>	<u>Formula</u>	<u>CAS #</u>	<u>Composition</u>
Triclopyr	3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt	C <sub>13</sub> H <sub>19</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>3</sub>	57213-69-1	44.4%
Triethylamine	<i>N,N</i> -Diethylethanamine	C <sub>6</sub> H <sub>15</sub> N	121-44-8	16.25%
Ethylenediaminetetraacetic Acid (EDTA)	<i>N,N'</i> -1,2-Ethanediylobis-[ <i>N</i> -(carboxymethyl)glycine] trisodium salt	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>8</sub>	60-00-4	2.5%

## 3. HAZARD IDENTIFICATION

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:** Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin or swallowed. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water when disposing of equipment wash water. Under certain conditions, oxygen depletion or loss due may result due to decomposition of dead plants, which may contribute to fish suffocation. This chemical 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:** Combustible liquid. May release toxic fumes if burned.

## 4. FIRST AID

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. 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

**Flash point (closed cup):** 61°C (141°F)

**Flammable Limits (LEL):** Unknown

**Fire and Explosion Hazards:** May decompose in fire due to thermal decomposition releasing irritating and toxic gasses.

**Means of Extinction:** Use water spray, carbon dioxide, foam or dry chemical.

**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.

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

**Hazardous Combustion Products:** Hydrogen chloride, oxides of nitrogen, chlorinated pyridine, phosgene.

**NFPA Ratings:** Health – 3 / Flammability – 2 / Reactivity – 0

## 6. ACCIDENTAL RELEASE MEASURES

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.

**SMALL SPILLS:** Absorb spill with sand, vermiculite or other inert absorbent. Place contaminated material into an 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. After removal, flush contaminated area thoroughly with water, observing all environmental regulations. Recover wash liquid with additional absorbent and place in container for disposal.

## 7. HANDLING AND STORAGE

Do not allow to come into contact with skin, eyes and clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 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.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a secured 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:** Long-sleeved shirt, long pants and shoes plus socks, protective eyewear, and chemical resistant gloves ( $\geq$  14 mils) such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber.

**General:** Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light pink liquid  
**Odor:** Slight ammonia-like  
**pH:** 8.5 – 9.0  
**Specific Gravity:** 1.14 g/ml @ 68°F  
**Flashpoint (Closed Cup):** 61°C (141°F)  
**Solubility in Water:** Soluble

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal use and transportation situations. May decompose if heated.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, oxides of nitrogen, chlorinated pyridine, phosgene.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong acids and oxidizing agents.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral LD<sub>50</sub> (rat): > 1,500 mg/kg

### ACUTE DERMAL TOXICITY

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

### ACUTE INHALATION TOXICITY

Inhalation LC<sub>50</sub> (rat): > 2.5 mg/L (4-hour)

### EYE IRRITANT

Rabbit – Corrosive

### SKIN IRRITATION

Rabbit – Slightly irritating

### SENSITIZATION

Guinea Pig – Potential sensitizer after repeated exposure to concentrate

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

### CARCINOGENICITY:

**ACGIH:** Not listed

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

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

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

This herbicide is injurious to plants at extremely low concentrations. Nontarget plants may be adversely affected from drift and run-off. 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 contaminate water when disposing of equipment wash water. Under certain conditions, oxygen depletion or loss due may result due to decomposition of dead plants, which may contribute to fish suffocation.

This chemical 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, 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. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER DISPOSAL:**

**Plastic Container** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Metal Container** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### 14. TRANSPORT INFORMATION

**Non-Bulk Shipments by Land:** Not regulated by DOT

#### **Bulk Shipments by Land:**

DOT PROPER SHIPPING NAME: NA1993, COMBUSTIBLE LIQUID, N.O.S. (Contains TRIETHYLAMINE), 3, PG III

#### **Shipments by Air or Vessel:**

DOT PROPER SHIPPING NAME: UN1993, FLAMMABLE LIQUID, N.O.S. (Contains TRIETHYLAMINE), 3, PG III

DOT EMERGENCY RESPONSE GUIDE: 128

MARINE POLLUTANT: No

### 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.

#### **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**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Triethylamine	121-44-8	16.25%

**OSHA HAZARD COMMUNICATION STANDARD:** This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### **CERCLA –**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>	<u>Concentration</u>
Triethylamine	121-44-8	5000	16.25%
ETDA	60-00-4	5000	2.5%

**CALIFORNIA PROP 65 STATUS –**

This product does not contain any products 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.