

MATERIAL SAFETY DATA SHEET

Emergency Phone: Chemtrec 800-424-9300

Effective Date: May 09, 2008

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Alligare Prescott Herbicide

DESCRIPTION: A water soluble liquid pyridine herbicide.

EPA REG. NO.: 81927-30

COMPANY IDENTIFICATION:

Alligare, LLC
13 North 8th Street
Opelika, AL 36801

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Name	Formula	CAS #	Composition
Triclopyr TEA	3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt	$C_{13}H_{19}Cl_3N_2O_3$	57213-69-1	33.0%
Clopyralid TEA	3,6-dichloro-2-pyridinecarboxylic acid, triethylamine salt	$C_8H_{10}Cl_2N_2O_3$	57754-85-5	12.1%

3. HAZARD IDENTIFICATION

Health Hazards: Corrosive. Causes irreversible eye damage. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed or inhaled. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist.

Physical Hazards: May release toxic fumes if burned.

Environmental Hazards: 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.

Clopyralid is a chemical which can travel (seep or leach) through soil and under certain conditions contaminate groundwater which may be used for irrigation or drinking purposes. Users are advised not to apply clopyralid where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow, or to soils containing sinkholes over limestone bedrock, severely fractured surfaces, and substrates which would allow direct introduction into an aquifer.

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 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 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.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

5. FIRE-FIGHTING MEASURES

Flash Point (Closed Cup): > 54°C (130°F)

Flammable Limits (LFL-UFL): Unknown

Fire and Explosion Hazards: May thermally decompose in fire releasing irritating and toxic gasses (hydrogen chloride, oxides of nitrogen, chlorinated pyridine, phosgene).

Extinguishing Medium: Foam, dry extinguishing media, carbon dioxide, water spray

Fire Fighting Equipment: Firefighters should be equipped with positive pressure self-contained breathing apparatus and full bunker 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 – 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: Use only in a well-ventilated area. Wear suitable personal protective clothing and equipment. 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. As soon as possible, wash thoroughly and change into clean clothing. Keep away from food, drink and animal feed.

Storage: Combustible liquid, store in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Engineering Controls: Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Local mechanical exhaust ventilation may be required. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

For containers of 5 gallons or more: Do not open pour product from this container. A mechanical system (such as probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection

Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS

Personal Protective Equipment (PPE):

Eyes – Safety goggles or full face respirator if vapors cause eye discomfort.

Clothing – Long-sleeved shirt and long pants. Shoes plus socks.

Gloves – Chemical resistant gloves made of any waterproof material.

Respirator – When handling in enclosed areas or areas with limited ventilation, use a respirator with either an organic vapor cartridge with a pre-filter approved for pesticides (MSHA/NIOSH TC-23C) or a canister approved for pesticides (MSH/NIOSH TC-14G).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 Liquid

Odor: Faint alkaline-like

pH: 7.0 – 7.5

Specific Gravity: 1.138 g/ml (9.5 lb/gal) @ 20°C

Vapor Pressure: Unknown

Solubility: Miscible

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Combustible. 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. No hazardous reactions if stored and handled as prescribed/indicated.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, phosgene and oxides of nitrogen when burned.

HAZARDOUS POLYMERIZATION: Does not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

LD₅₀ (rat): > 2000 mg/kg

ACUTE DERMAL TOXICITY

LD₅₀ (rat): > 2000 mg/kg

ACUTE INHALATION TOXICITY

LC₅₀ (rat): > 1.06 mg/L (4-hour)

EYE IRRITATION: May cause severe eye irritation and moderate corneal injury that is slow to heal.

SKIN IRRITATION: Slight

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

REPRODUCTIVE TOXICITY: No evidence in animal studies.

DEVELOPMENTAL TOXICITY / TERATOGENICITY: No evidence in animal studies.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This herbicide is toxic to fish. Do NOT apply this product directly to water, or to areas where surface water is present, or to intertidal areas between the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Non-target plants may be adversely affected from drift.

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.

Clopyralid is a chemical which can travel (seep or leach) through soil and under certain conditions contaminate groundwater which may be used for irrigation or drinking purposes. Users are advised not to apply clopyralid where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow, or to soils containing sinkholes over limestone bedrock, severely fractured surfaces, and substrates which would allow direct introduction into an aquifer.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by the 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 containers (1, 2.5 and 30 gallon): 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

Non-Bulk Containers NOT Shipped by Air: Not Regulated by DOT

Containers Shipped by Air or Bulk Containers (≥ 119 gallons):

DOT PROPER SHIPPING NAME: UN1993, COMBUSTIBLE LIQUID, N.O.S. (contains Ethanol), 3, PG III, Marine Pollutant

REPORTABLE QUANTITY: N/A

DOT EMERGENCY RESPONSE GUIDE: 128

MARINE POLLUTANT: Yes

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

Hazardous Chemical

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

Triclopyr TEA Salt – 33% (CAS No. 57213-69-1)

CERCLA –

<u>Chemical Name</u>	<u>CAS Number</u>	<u>RQ</u>	<u>% Composition</u>
Ethanol	64-17-5	100 lbs.	4.0%
EDTA	60-00-4	5000 lbs.	2.5%

California Prop 65 Status –

This product contains a chemical (ethanol) known to the State of California to be developmentally toxic and to cause cancer.

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.