

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare Sonora™ Herbicide

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 81927-69

COMPANY IDENTIFICATION:

Alligare, LLC

13 N. 8th Street

Opelika, AL 36801

2. HAZARD IDENTIFICATION

WARNING

Causes eye irritation (H320)

Flammable liquid and vapor (H226)



HAZARD CLASSIFICATION

Health Hazard
Eye Damage / Irritation

Category
2B

Physical Hazards
Flammable liquids

Category
3

Environmental Hazards
None

Category
-

HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Wear protective gloves / protective clothing / eye protection / face protection. Refer to Section 8 for specific PPE requirements. (P280)

Wash hands and skin thoroughly after handling. (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 advice or attention (P305+P351+P338+P337+P313)

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

In case of fire: Use water fog, alcohol resistant foam, dry chemical or carbon dioxide (CO₂) to extinguish. (P370+P378)

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

Dispose of contents / containers in accordance with local, State and Federal 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> |
|--------------------|---|--------------|--------------------|
| Clopyralid | 3,6-Dichloro-2-pyridinecarboxylic acid, monoethanolamine salt | 57754-85-5 | 40.9% |
| Isopropyl alcohol | Isopropanol | 67-63-0 | 5% |

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 CHEMTREC at 1-800-424-9300 for emergency medical 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 five minutes, then continue rinsing eye. If eye irritation persists, 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. If skin irritation or rash occurs: call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: No specific antidote is available, treat symptomatically.

5. FIREFIGHTING MEASURES

Flash point: 51°C (124°F) **NOTE:** This material will not burn until the water has evaporated.

Flammable Limits (LFL-UFL): Not determined

Fire and Explosion Hazards: May thermally decompose in fire releasing irritating and toxic fumes.

Extinguishing Medium: Water fog, alcohol resistant foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure 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 – 2 / Flammability – 2 / 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 using explosion-proof equipment. 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

Avoid contact with eyes, skin and clothing. Wear appropriate personal protective clothing and equipment (see Section 8 below). Wash the outside of gloves before removing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Store above 28°F or warm to 40°F and agitate before use.

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: Wear long sleeved shirt, long pants, shoes, socks, and chemical resistant gloves made of any waterproof material.

General: Wash clothing and other absorbent materials that have been exposed to this product. 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: | trans. amber liquid | pH: | 8.5 – 8.8 |
| Odor: | medium bitter | Viscosity: | 6.02 cP @ 25°C 3.77 cP @ 39°C |
| Melting / freezing point: | Not available | Solubility: | Miscible with water |
| Boiling point / boiling range: | Not available | Partition coefficient: | Not available |
| Flammability: | Not available | Vapor pressure: | 23.5 mmHg @ 20°C |
| Flammability limits (upper/lower): | Not available | Density: | 1.19 g/cm ³ @ 25°C 9.93 lbs./gal. @ 25°C |
| Flash point: | 51°C (124°F) | Relative vapor density: | Not available |
| Auto-ignition temperature: | Not available | Particle characteristics: | Not available |
| Decomposition temperature: | Not available | | |

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Direct sunlight, open flame and temperatures close to the flash point (124°F).

CHEMICAL STABILITY: Stable under all normal use and storage conditions. Unstable if heated.

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

INCOMPATIBILITY WITH OTHER MATERIALS: Do not use with or store near oxidizing agents, acids, halogenated organics, brass, copper, zinc, or aluminum.

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

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

INHALATION TOXICITY (rat LC₅₀): > 3.0 mg/L (4-hour)

EYE IRRITATION: Moderately irritating

SKIN IRRITATION: Slightly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: No evidence in animal studies.

12. ECOLOGICAL INFORMATION

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.

The following information is for the active ingredient, clopyralid:

Rainbow Trout (LC₅₀ – 96hr): > 99.9 mg/L

Birds-acute (LD₅₀): 501 – 2000 mg/kg

Water Flea (EC₅₀ – 48hr): > 99.0 mg/L

Birds-dietary (LC₅₀): > 5000 mg/kg

Bees (LD₅₀): > 100 µg/bee

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.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container handling instructions.

14. TRANSPORT INFORMATION

| | |
|---------------------------------------|--|
| UN Number: | UN1993 |
| Proper Shipping Name: | Flammable Liquid, N.O.S. (contains Isopropanol) |
| Transport Hazard Class: | 3 |
| Packing Group: | III |
| Hazard Zone: | A |
| Marine Pollutant: | No |
| Hazardous Substance RQ: | None |
| Labels / Placards: | US-DOT: Combustible Liquid ¹ IMDG, IATA: Class 3 Flammable Liquid ² |
| Emergency Guide: | 128 (NAERG – North American Emergency Response Guide) |
| ¹ US-DOT Note: | Not regulated for “ground only” shipments in containers < 119 gal. If shipped in bulk, must be shipped as NA1993, Combustible Liquid, N.O.S. (contains isopropanol). If shipped over water must be shipped as a UN1993, Flammable Liquid, N.O.S. (contains isopropanol). |
| ² IMDG / IATA Note: | Not regulated when shipped in single or inner packaging ≤ 1.3 gal (5 liter). |

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: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

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

ENVIRONMENTAL HAZARDS

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 disposing of equipment washwaters. Do not contaminate water used for irrigation or domestic purposes.

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 that would allow direct introduction into an aquifer. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Do not mix or allow coming into contact with oxidizing agent. Hazardous chemical reaction may occur.

15. REGULATORY INFORMATION (CONT.)

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 EPATSCA.

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

Isopropyl alcohol (CAS No. 67-63-0)

CERCLA –

Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemicals 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: 1.0

Effective Date: 01/21/2019