

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare Diquat Herbicide

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 81927-35

COMPANY IDENTIFICATION:

Alligare, LLC

13 N. 8th Street

Opelika, AL 36801

2. HAZARD IDENTIFICATION

DANGER

Toxic if inhaled (H331)

Harmful if swallowed (H302)

May be corrosive to metals (H290)

Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazard

Acute Toxicity, Inhalation

Acute Toxicity, Oral

Category

3

4

Environmental Hazards

Hazardous to the Aquatic Environment, Acute

Hazardous to the Aquatic Environment, Chronic

Category

1

1

Physical Hazard

Corrosive to Metals

Category

1

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION

None

PRECAUTIONARY STATEMENTS

Avoid breathing mist/vapors/spray. Use only outdoors or in a well-ventilated area. (P261+P271)

Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. (P264+P270)

Keep only in original packaging. (P234)

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor. Refer to the Specific Treatment information in Section 4 for further instructions. (P304+P340+P311+P321)

Store in a well-ventilated place. Keep container tightly closed. Store locked up. (P403+P233+P405)

IF SWALLOWED: Call a poison control center or doctor if you feel unwell. Rinse mouth. (P301+P312)

Avoid release to the environment. Collect spillage. Absorb spillage to prevent material-damage. (P273+P391+P390)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name

Diquat dibromide

Chemical Name

[6,7-dihydrodipyrido(1,2-a:2',1'-c) pyrazinedium dibromide]

CAS

85-00-7

Composition

37.3%

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 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 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: To be effective, treatment for diquat poisoning must begin IMMEDIATELY. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.

5. FIREFIGHTING MEASURES

Flash point (PMA-4): N/A

Flammable Limits (LFL-UFL): N/A

Fire and Explosion Hazards: Not a fire or explosion hazard.

Means of Extinction: Foam, dry chemical or CO₂

Fire Fighting Instructions: Evacuate nonessential personnel to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Dike and collect any runoff to prevent entry to drains or water bodies.

Firefighting Equipment: Self-contained breathing apparatus and full bunker gear.

Hazardous Combustion Products: Thermal decomposition may result in irritating and possibly toxic gasses.

NFPA Ratings: Health – 2 / Flammability – 1 / Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this SDS. Control spill at the source and dike spill to prevent material from entering soil, sewers, waterways or low areas. Cover entire spill with absorbing material and place into compatible disposal containers. Scrub the area with hard water detergent (e.g., Tide, Joy, Spic and Span) and pick up wash liquid with absorbent and place into compatible disposal containers. Once all material is cleaned up and placed in disposal containers, seal the containers and arrange for disposition.

7. HANDLING AND STORAGE

Handling: Avoid breathing spray mist. Avoid contact with eyes or clothing. Remove clothing / PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Storage: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs, or drinking water. Do not store or transport near feed or food. Store at temperatures above 32°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Protective Clothing: Chemical-resistant gloves, chemical resistant footwear plus socks, protective eyewear, coveralls over short-sleeved shirt and short pants or coveralls over long-sleeved shirt and long pants. Chemical-resistant headgear for overhead exposure. Chemical-resistant apron when cleaning equipment, mixing or loading. Face shield when mixing or loading.

General: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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: | dark brown liquid | pH: | 5.5-6.5 |
| Odor: | odorless | Kinematic viscosity: | 1.6264 mP.s |
| Melting/freezing point: | not available | Solubility: | not available |
| Boiling point/Boiling range: | not available | Partition coefficient: | not available |
| Flammability: | not available | Vapor pressure: | not available |
| Flammability limits (upper/lower): | not available | Density: | 1.2006 mg/L |
| Flash point: | not available | 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: Heat, flame and extreme temperatures.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated may thermally decompose releasing irritation or toxic gasses.

INCOMPATIBILITY WITH OTHER MATERIALS: Product reacts with aluminum to form flammable hydrogen gas, do not store in aluminum containers. Mix, store and apply only in plastic, plastic lined steel, stainless steel or fiberglass containers.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): 886 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,050 mg/kg

INHALATION TOXICITY (rat LC₅₀): 0.62 mg/L (4-hour)

EYE IRRITATION: Rabbit – Mildly irritating

SKIN IRRITATION: Rabbit – Slightly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

IARC: Not Listed

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.

12. ECOLOGICAL INFORMATION

This product is toxic to aquatic invertebrates.

The following information is for the active ingredient, Diquat Dibromide:

AQUATIC TOXICITY

Rainbow Trout (96-hr LC₅₀): 14.83 ppm

Daphnia (48-hr EC₅₀): 0.77 ppm

Green Algae (EC₅₀): 9.4 ppb

Chronic estuarine/marine invertebrates (NOAEC): 0.052 mg/L

Duckweed (NOAEC): 0.0012 mg/L

AVIAN TOXICITY

Mallard Duck (8-day Dietary LC₅₀): 60.6 mg/kg

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Open dumping is prohibited. 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 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 the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

| | |
|--|---|
| UN Number: | UN1760 |
| Proper Shipping Name: | Corrosive Liquid, N.O.S. (contains diquat dibromide) |
| Transport Hazard Class: | 8 |
| Packing Group: | III |
| Hazard Zone: | A |
| Marine Pollutant: | Yes ¹ |
| Hazardous Substance RQ: | Diquat (CAS #85-00-7): 1,000 lbs. (268 gallons of product) |
| Labels / Placards: | US-DOT: Class 8 Corrosive Liquid IMDG, IATA: Class 8 Corrosive Liquid |
| Emergency Guide: | 154 (NAERG – North American Emergency Response Guide) |
| ¹ Marine Pollutant Note: | Ground-only shipments are excluded from Marine Pollutant labeling requires as per 49CFR172.101 Appendix B (4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant. |

Note: corrosive to aluminum

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 inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes or clothing.

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

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates.

For Terrestrial Uses, 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.

For Aquatic Uses, do not apply directly to water except as specified on this label.

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

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA –

Diquat (CAS #85-00-7): 1,000 lbs. (268 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: 4.0

Effective Date: 06/12/18