

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare Diuron 4L
DESCRIPTION: A liquid-flowable herbicide.
EPA Reg. No.: 81927-44

COMPANY IDENTIFICATION:

Alligare, LLC
13 N. 8th Street
Opelika, AL 36801

2. HAZARD IDENTIFICATION

WARNING

Harmful if swallowed (H302)
Suspected of causing cancer (H351)
May cause damage to organs through prolonged or repeated exposure (H373)
Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Acute toxicity, oral	4	N/A	-
Carcinogenicity	2		
Single target organ toxicity, repeated exposure	2	Environmental Hazards	Category
		Hazardous to the aquatic environment, short-term	1
		Hazardous to the aquatic environment, long-term	1

HAZARDS NOT REQUIRING CLASSIFICATION

None.

PRECAUTIONARY STATEMENTS

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. (P201+P202)

Wear protective clothing as described in Section 8 of this document. (P280)

Do not breath mist/vapors/spray. (P260)

Do not eat, drink, or smoke when using this product. (P270)

Avoid release to the environment not in accordance with the product label. (P273)

Wash hands and skin thoroughly after handling. (P264)

Use only outdoors or in a well-ventilated area. (P271)

IF SWALLOWED: Call a Poison Center/doctor if you feel unwell. Rinse mouth. (P301+P312+P330)

IF exposed or concerned: Get medical advice/attention. (P308+P313)

Collect spillage. (P391)

Store locked up. (P405)

Dispose of contents / container in accordance with local 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>
Diuron	3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	40.7%
Proprietary solvent			< 6.0%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time or your poison control center at 1-800-222-1222.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. 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. Do not give liquid to the person.

5. FIREFIGHTING MEASURES

Flash point (TCC): > 200°F

Flammable Limits (LFL-UFL): N/A

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

Extinguishing Medium: Water spray, foam, dry chemical (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 – 1 / 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. Extinguish sources of ignition nearby and downwind and ensure adequate ventilation.

Environmental Precautions: Do not discharge into soil / subsoil or into drains / surface water / groundwater.

Large Spills: Dike spillage and recover and retain as much free liquid as possible for reuse. Pick up remainder with suitable absorbent material. If spilled on the ground, the affected area should be excavated to a depth of 1 - 2 inches. 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. Make sure that tools and equipment are adequately decontaminated.

7. HANDLING AND STORAGE

Wear appropriate personal protective clothing and equipment (see Section 8 below). Use only in a well-ventilated area. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. 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.

Keep out of reach of children and animals. Store product in original container only, away from other pesticides, fertilizer, food, or feed.

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, chemical resistant gloves of any waterproof material, a NIOSH approved particulate filtering respirator equipped with N, R, or P class filter media. Wear chemical resistant apron when mixing, loading, or cleaning equipment or spills.

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:	White Liquid	pH:	6.0 – 6.5
Odor:	Odorless	Kinematic viscosity:	Not available
Melting/freezing point:	Not available	Dynamic viscosity:	494.0 mPa s
Boiling point/Boiling range:	Not available	Solubility:	Not determined
Flammability:	Not available	Partition coefficient:	Not available
Flammability limits (upper/lower):	Not available	Vapor pressure:	Not available
Flash point:	> 200°F	Density:	1.1786 g/mL
Auto-ignition temperature:	Not available	Relative vapor density:	Not available
Decomposition temperature:	Not available	Particle characteristics:	Not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat.

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

HAZARDOUS DECOMPOSITION PRODUCTS: When thermally decomposed, may release hazardous and / or toxic fumes (hydrogen chlorides, oxides of carbon and nitrogen).

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

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): >1,919 mg/kg

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

INHALATION TOXICITY (rat LC₅₀): > 2.02 mg/L (4-hour)

EYE IRRITATION: Minimally irritating

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Known/likely carcinogen (diuron)

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.

OTHER TOXICITY: May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. For terrestrial uses only. 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 washwaters or rinsate. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water sources. Apply this product only as specified on the label.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diuron 330-54-1	0.022: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.036: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 static 0.1: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 0.0007: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static	13.4 - 15: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 13.4 - 15: 96 h <i>Pimephales promelas</i> mg/L LC50 static 2.3 - 3.3: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 4: 96 h <i>Lepomis macrochirus</i> mg/L LC50 1.5 - 2.54: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 14.7: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 2.9: 96 h <i>Cyprinus carpio</i> mg/L LC50	EC50 = 16.38 mg/L 5 min	1.4: 48 h <i>Daphnia magna</i> mg/L EC50 6.3 - 13: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Proprietary Solvent	6500 - 13000: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	41000: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 14 - 18: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 27540: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 40761: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 40000 - 60000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 16000: 96 h <i>Poecilia reticulata</i> mg/L LC50 static	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	46300: 48 h <i>Daphnia magna</i> mg/L EC50

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must 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: UN3082
Proper Shipping Name: Environmentally hazardous substance, liquid, N.O.S. (contains Diuron)
Transport Hazard Class: 9
Packing Group: III
Hazard Zone: A
Marine Pollutant: Yes¹
Hazardous Substance RQ: Diuron (CAS No. 330-54-1): 100 lbs. (25 gallons product)
Labels / Placards: US-DOT: Class 9 Environmentally Hazardous Substance²
IMDG, IATA: Class 9 Environmentally Hazardous Substance³

Emergency Guide: 171 (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 unless a limited quantity exemption applies (see note 3 below).

² **US-DOT Note:** Not regulated for “ground only” shipments in containers < 25 gallons.

³ **IMDG / IATA Note:** Not regulated when shipped in single or inner packaging ≤1.32 gal (5 L).

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 swallowed.

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

ENVIRONMENTAL HAZARDS

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 cleaning equipment or disposing of equipment washwaters. Apply this product only as directed.

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 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

Diuron (CAS No. 330-54-1): 40.7%


Ethylene glycol (CAS No. 107-21-1): < 6.0%

CERCLA –

Diuron – 100 lbs. (25 gallons of product)

Ethylene glycol – 5,000 lbs. (8,621 gallons of product)

CALIFORNIA PROP 65 STATUS –

 **WARNING:** This product can expose you to chemicals including diuron, which is known to the state of California to cause cancer. For more information go the www.P65Warnings.ca.gov.

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: 3.0

Effective Date: 06/28/2018