

SAFETY DATA SHEET

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



1. IDENTIFICATION

PRODUCT NAME: Alligare Mojave 70 EG
DESCRIPTION: A granular herbicide.
EPA Reg. No.: 81927-25

COMPANY IDENTIFICATION:
Alligare, LLC
1565 5th Avenue
Opelika, AL 36801

2. HAZARD IDENTIFICATION

WARNING

May be harmful if swallowed or in contact with skin (H303+H313)
May cause cancer (H350)
Very toxic to aquatic life with long lasting effects (H400+H410)



HAZARD CLASSIFICATION

Health Hazard	Category	Physical Hazards	Category
Acute Toxicity, Oral	5	None	--
Acute Toxicity, Dermal	5		
Carcinogenicity	1B	Environmental Hazards	Category
		Hazardous to the aquatic environment, short-term	1
		Hazardous to the aquatic environment, long-term	1

HAZARDS NOT REQUIRING CLASSIFICATION

Spray solutions of this product should be mixed, stored and applied only in stainless steel, fiberglass, plastic and plastic-lined steel containers. DO NOT mix, store or apply this product or spray solutions of this product in unlined steel (except stainless steel) containers or spray tanks.

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. (P202)
Wear protective gloves/protective clothing. Refer to Section 8 for specific PPE requirements. (P280)
Avoid release to the environment not in accordance with the product label. (P273)
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. (P301+P312)
IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. (P302+P312)
If exposed or concerned: Get medical advice/attention. (P308+P313)

Collect spillage. (P391)

Store locked up. (P405)

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>
Imazapyr	(2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)	81334-34-1	7.78%
Diuron	N'-(3,4-dichlorophenyl)-N,N-dimethylurea	330-54-1	62.22%

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 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 a poison control center or doctor. DO NOT give anything to an unconscious person.

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

5. FIREFIGHTING MEASURES

Flash Point: Not combustible.

Fire and Explosion Hazards: Thermal decomposition may produce irritating fumes (see Section 10).

Extinguishing Medium: Foam, dry chemical or carbon dioxide (CO₂) or water spray.

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 – 1 / Flammability – 1 / 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.

Large Spill: Prevent spills from entering sewers, waterways or low areas. Diuron and imazapyr are injurious to plants at extremely low concentrations. Non-target plants may be adversely affected from drift and runoff. Call CHEMTREC at (800) 424-9300.

Small Spills: Avoid dust formation and avoid breathing dust. Use recommended protective equipment and carefully sweep up spilled material, placing it in a covered container for reuse or disposal. Scrub the contaminated area with soap and water followed by a water rinse. Use dry absorbent material to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed.

7. HANDLING AND STORAGE

DO NOT contaminate water, food or feed by storage or disposal.

Handling: Avoid breathing dust or vapor. Avoid contact with skin and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Storage: Do not store below 10°F. 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 locked 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: Handlers must wear chemical resistant gloves, long-sleeved shirt, long pants, shoes plus socks, and a NIOSH approved particulate respirator with any R or P filter with NIOSH approval number prefix TC-84A, or a NIOSH-approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C. When mixing, loading or cleaning equipment or spills, a chemical-resistant apron should be worn. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white pellets	pH:	3.1-3.4
Odor:	Faint	Kinematic viscosity:	not available
Melting/freezing point:	not available	Solubility:	Soluble
Boiling point/Boiling range:	not available	Partition coefficient:	not available
Flammability:	not available	Vapor pressure:	not available
Flammability limits (upper/lower):	not available	Density:	0.638 g/ml (39.83 lbs./ft ³)
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: Extreme Temperatures and prolonged exposure to extreme heat. All sources of ignition. Electro-static discharges.

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

INCOMPATIBILITY WITH OTHER MATERIALS: Liquid solutions containing this product must not be stored in unlined steel (except stainless steel) containers or tanks.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. When thermally decomposed, may release hazardous and / or toxic fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 5.1 mg/L (4-hour)

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Mildly irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

EPA: Known/likely based on animal testing (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.

12. ECOLOGICAL INFORMATION

This product is toxic to plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas. 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 washwater or rinsate. See Directions for Use for additional precautions and requirements.

The following information is for the active ingredient, Diuron:

Fish: (96-hr LC₅₀) 1.95 mg/L (NOAEC) 0.0264 mg/L

Invertebrate: (48-hr EC₅₀): 12 mg/L (NOAEC) 0.057 mg/L

Aquatic plant: (EC₅₀) 0.00308 mg/L (NOAEC) 0.00114 mg/L

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: DO NOT contaminate water, food or feed by storage or 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:	UN3077
Proper Shipping Name:	Environmentally hazardous substance, solid, N.O.S. (contains Imazapyr and Diuron)
Transport Hazard Class:	9
Packing Group:	III
Hazard Zone:	A
Marine Pollutant:	Yes ¹
Hazardous Substance RQ:	Diuron (CAS No. 330-54-1) (62.22%): RQ 100 lbs. (160 lbs. product)
Labels / Placards:	US-DOT: Class 9 Environmentally Hazardous Substance ² IMDG, IATA: Class 9 Environmentally Hazardous Substance ³
Emergency Guide:	171 (NAERG – North American Emergency Response Guide)
¹ Marine Pollutant Note:	Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 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 < 160 lbs.
³ IMDG / IATA Note:	Not regulated when shipped in single or inner packaging ≤ 11 lbs. (5 kg).

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 or absorbed through skin. Avoid contact with skin 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 plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas. 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 washwater or rinsate. See Directions for Use for additional precautions and requirements.

PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of Alligare Mojave 70 EG should be mixed, stored and applied only in stainless steel, fiberglass, plastic and plastic-lined steel containers. DO NOT mix, store or apply Alligare Mojave 70 EG or spray solutions of Alligare Mojave 70 EG in unlined steel (except stainless steel) containers or spray tanks.

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

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

None listed

CERCLA –

Diuron (CAS No. 330-54-1): RQ 100 lbs.

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 to 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 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.

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 SDS. 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.

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