

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Alligare IMOX™ Herbicide  
**DESCRIPTION:** A liquid herbicide.  
**EPA Reg. No.:** 81927-66

**COMPANY IDENTIFICATION:**  
Alligare, LLC  
13 N. 8<sup>th</sup> Street  
Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

### WARNING

Very toxic to aquatic life (H400)



### HAZARD CLASSIFICATION

Other Hazards	Category
Hazardous to the aquatic environment, acute	1

### HAZARDS NOT REQUIRING CLASSIFICATION

Do not mix or allow this product to come in contact with an oxidizing agent such as potassium permanganate. Hazardous chemical reaction may occur.

### PRECAUTIONARY STATEMENTS

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

Collect spillage. (P391)

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>
Imazamox, ammonium salt	Ammonium (RS)-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethyl nicotinic acid	247057-22-3	12.1%

## 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.

## 5. FIREFIGHTING MEASURES

**Flash Point:** N/A

**Flammability Limits:** Not determined

**Fire and Explosion Hazards:** May thermally decompose in fire, releasing irritating and toxic gases such as oxides of carbon and nitrogen.

**Means of Extinction:** Use water fog or fine spray, CO<sub>2</sub>, foam or dry chemical. Alcohol-resistant (ATC) foams are preferred.

**Fire Fighting Instructions:** Evacuate area and fight fire upwind from a safe distance to avoid possible hazardous fumes and decomposition products. Dike runoff and do not allow runoff to enter sewers, storm drains or waterways. Foam and dry chemical extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**Firefighting Equipment:** Self-contained breathing apparatus with full face piece and full bunker gear.

**Hazardous Combustion Products:** Oxides of carbon and nitrogen

**NFPA Ratings:** Health: 1 / Flammability: 0 / Reactivity: 0

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this SDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Keep upwind of spill and ventilate area if possible. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

**Small Spills:** Absorb small spills using sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

**Large Spills:** Dike large spills using absorbent or impervious materials such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, scrape up and place in an appropriate container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**Storage:** Store in original container only. Avoid freezing. Store above 32°F. If frozen, poor weed control may result. In case of leak or spill, use absorbent materials to contain liquids and dispose of waste,

## 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:** Applicators and other handlers must wear: Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber (includes natural rubber blends and laminate) ≥14 mils, polyethylene, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils; and shoes plus socks.

**General:** Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** light yellow/amber liquid

**Odor:** Moderate ammonium-like odor

**pH:** 6.5

**Density:** 1.040 g/cm<sup>3</sup> (8.68 lbs/gal) @ 25°C

**Viscosity:** 2.1 Cst @ 20°C; 1.3 mm<sup>2</sup>/s @ 40°C

**Flashpoint (Closed Cup):** Not Flammable

**Flammable Limits (LFL-UFL):** No data

**Solubility in Water:** No data

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Temperatures below 32°F and prolonged storage above 100°F

**CHEMICAL STABILITY:** Stable under normal use and transportation situations. May decompose if heated.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of nitrogen and carbon.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents.

**HAZARDOUS REACTIONS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 5,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 4,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 5.0 mg/L (4-hour)

**EYE IRRITATION:** Non-irritating

**SKIN IRRITATION:** Non-irritating

**SKIN SENSITIZATION:** Not a sensitizer

**CARCINOGENICITY:**

IARC: Not listed

US NTP: Not listed

ACGIH: Not listed

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* or *in vitro* studies.

**REPRODUCTIVE TOXICITY:** No evidence of reproductive or developmental toxicity.

## 12. ECOLOGICAL INFORMATION

This pesticide may be hazardous to plants outside the treated area.

**The following is for the active ingredient, Imazamox:**

Rainbow trout (96-hr LC<sub>50</sub>): > 122 mg/L

Bluegill (NOAEC): 119 mg/L

Daphnia magna (48-hr NOEC): 122 mg/L

Algae (120-hr EC<sub>50</sub>): > 0.037 mg/L

*Lemna gibba* (14-d EC<sub>50</sub>): 0.011 mg/L

Birds (Dietary LC<sub>50</sub>): > 5572 mg/kg

Bees (48-hr oral LD<sub>50</sub>): > 40 µg/bee

Bees (72-hr contact): > 25 µg/bee

## 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:** This product may be distributed in either nonrefillable or refillable containers. Refer to the product label for specific container handling instructions.

## 14. TRANSPORT INFORMATION

**US DOT (shipped by land):**

Not regulated by DOT.

**IMDG / IATA (shipped by vessel or air):**

Proper Shipping Name:

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (imazamox), 9, PG III, Marine Pollutant

## 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 absorbed through skin or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

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

##### **ENVIRONMENTAL HAZARDS**

This pesticide may be hazardous to plants outside the treated area. Do not apply to water except as specified in the pesticide label. Do not contaminate water when disposing of equipment washwater and rinsate.

##### **PHYSICAL OR CHEMICAL HAZARDS**

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

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

#### **SARA Title III – Section 312 Threshold Planning Quantity**

N/A

#### **SARA Title III – Section 313 Reportable Ingredients**

None

### **CERCLA –**

Not listed

### **CALIFORNIA PROP 65 –**

This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

### **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: 1/12/2018