

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** Alligare Imazapyr 4 SL

**DESCRIPTION:** A liquid herbicide.

**EPA Reg. No.:** 81927-24

**COMPANY IDENTIFICATION:**

**Alligare, LLC**

13 N. 8<sup>th</sup> Street

Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

### WARNING

May be harmful if swallowed or in contact with skin (H303+H313)

Toxic to aquatic life (H401)

### HAZARD CLASSIFICATION

Health Hazard	Category	Physical Hazards	Category
Acute Toxicity, Oral	5	None	-
Acute Toxicity, Dermal	5		
		Environmental Hazards	Category
		Hazardous to the aquatic environment, short-term	2

### HAZARDS NOT REQUIRING CLASSIFICATION

Spray solutions of Alligare Imazapyr 4 SL must be mixed, stored and applied only in stainless steel, fiberglass, plastic, and plastic-lined steel containers. DO NOT mix, store or apply Alligare Imazapyr 4 SL or spray solutions of Alligare Imazapyr 4 SL in unlined steel (except stainless steel) containers or spray tanks.

### PRECAUTIONARY STATEMENTS

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

**IF SWALLOWED:** Call a Poison Control Center or doctor if you feel unwell. (P301+ P312)

**IF ON SKIN:** Call a Poison Control Center or doctor if you feel unwell. (P302+P312)

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	Chemical Name	CAS #	Composition
Isopropylamine salt of Imazapyr	Isopropylamine salt of (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)	81510-83-0	52.6%

## 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 medical emergencies involving this product, call 1-800-424-9300.

**IF SWALLOWED:** Call a doctor or poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water. If skin irritation or rash occurs: call a poison control center or doctor for treatment advice.

## 5. FIREFIGHTING MEASURES

**Flash point:** Not combustible.

**Flammable Limits (LFL-UFL):** N/A

**Fire and Explosion Hazards:** Data not available.

**Means of Extinction:** Foam, CO<sub>2</sub>, dry chemical, or water spray.

**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.

**Firefighting Equipment:** Firefighters should be equipped with self-contained positive pressure breathing apparatus and turnout gear.

**Hazardous Combustion Products:** When thermally decomposed, may release hazardous and / or toxic fumes.

**NFPA Ratings:** Health: 1 / Flammability: 1 / Instability: 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. Contain contaminated water / firefighting water.

**Spill Cleanup:** Dike spillage. Pick up with suitable absorbent material. Place into suitable container for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal.

## 7. HANDLING AND STORAGE

**Handling:** Wear appropriate personal protective clothing and equipment (see Section 8 below.) Avoid contact with skin, 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

**Storage:** Keep out of reach of children and animals. Do not store below 10°F. Store product in original container only, away from other pesticides, fertilizer, food, or feed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Workplace should be equipped with a shower and eye-wash station.

**Protective Clothing:** Handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinylchloride), and shoes plus socks.

**General:** 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

<b>Appearance:</b>	transparent blue, slightly viscous liquid	<b>pH:</b>	5.0-5.5
<b>Odor:</b>	not available	<b>Kinematic viscosity:</b>	not available
<b>Melting/freezing point:</b>	not available	<b>Solubility:</b>	soluble
<b>Boiling point/Boiling range:</b>	not available	<b>Partition coefficient:</b>	not available
<b>Flammability:</b>	not available	<b>Vapor pressure:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available	<b>Density:</b>	1.2 mg/L
<b>Flash point:</b>	not available	<b>Relative vapor density:</b>	not available
<b>Auto-ignition temperature:</b>	not available	<b>Particle characteristics:</b>	not available
<b>Decomposition temperature:</b>	not available		

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** All sources of ignition (sparks, open flame and excessive heat). Prolonged exposure to extreme temperatures. Electrostatic discharge. Prolonged storage.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** When thermally decomposed, may release hazardous and / or toxic fumes.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong alkalis, oxidizing agents.

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

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ORAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 4.72 mg/L (4-hour)

**EYE IRRITATION:** Minimally irritating

**SKIN IRRITATION:** Non-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:** 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 to water except as specified on this label.

**The following information is for the active ingredient, Imazapyr:**

### AQUATIC TOXICITY

Rainbow Trout (96-hr LC<sub>50</sub>): > 100 mg/L

Bluegill (96-hr LC<sub>50</sub>): > 100 g/L

Diatoms (96-hr EC<sub>50</sub>): 1.3 mg/L

Green Algae (7-day EC<sub>50</sub>): 71 mg/L

### AVIAN TOXICITY

Mallard Duck (Oral LD<sub>50</sub>): > 2,150 mg/kg

Bobwhite Quail (Oral 8-day): > 2,150 mg/kg

## 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

<b>UN Number:</b>	Not regulated
<b>Proper Shipping Name:</b>	Not regulated
<b>Transport Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Hazard Zone:</b>	Not applicable
<b>Marine Pollutant:</b>	No
<b>Hazardous Substance RQ:</b>	None
<b>Labels / Placards:</b>	US-DOT: Not regulated for domestic ground transport IMDG, IATA: Not regulated for transport under IMDG/IATA
<b>Emergency Guide:</b>	Not applicable

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, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing and wash before reuse.

See inside label booklet for additional Precautionary Statements.

#### 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 to water except as specified on this label. Treatment of aquatic weeds may result in oxygen depletion or loss due to decomposition of dead plants. Do not treat more than one-half the surface area of the water in a single operation and wait at least 10 to 14 days between treatments. Begin treatments along the shore and proceed outward in bands to allow aquatic organisms to move into untreated areas. Do not contaminate water when disposing of equipment washwaters or rinsate. See Directions for Use for additional precautions and requirements.

#### PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of Alligare Imazapyr 4 SL should be mixed, stored and applied only in stainless steel, fiberglass, plastic, and plastic-lined steel containers.

DO NOT mix, store or apply Alligare Imazapyr 4 SL or spray solutions of Alligare Imazapyr 4 SL in unlined steel (except stainless steel) containers or spray tanks.

## 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

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

N/A

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

None

### **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: 3.0

Effective Date: 07/23/18