

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** WHETSTONE™ Herbicide

**DESCRIPTION:** A liquid herbicide.

**EPA Reg. No.:** 81927-82

**COMPANY IDENTIFICATION:**

**Alligare, LLC**

1565 5<sup>th</sup> Avenue

Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

This product is not hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200.

### HAZARD CLASSIFICATION

**Health Hazard**  
None

**Category**  
-

**Physical Hazards**  
None

**Category**  
-

**Environmental Hazards**  
None

**Category**  
-

### HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

None

### PRECAUTIONARY STATEMENTS

None

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Common Name</u>                    | <u>Chemical Name</u>                                                                                 | <u>CAS #</u> | <u>Composition</u> |
|---------------------------------------|------------------------------------------------------------------------------------------------------|--------------|--------------------|
| Aminopyralid Triisopropanolamine Salt | 2-Pyridinecarboxylic acid, 4-amino-3,6-dichloro-, compd. with 1,1',1''-nitrilotris[2-propanol] (1:1) | 566191-89-7  | 40.6%              |
| Triisopropanolamine                   | 2-Propanol, 1,1',1''-nitrilotris-                                                                    | 122-20-3     | 1.5%               |

**NOTE:** Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 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 (CC):** >100°C

**Flammable Limits (LFL-UFL):** Not determined

**Fire and Explosion Hazards:** None known.

**Extinguishing Medium:** None known.

**Fire Fighting Equipment:** Firefighters should be equipped with self-container positive pressure breathing apparatus and full bunker gear.

**Fire Fighting Instructions:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Remove undamaged containers from fire area if it is safe to do so. Evacuate area. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

## 5. FIREFIGHTING MEASURES (CONT.)

**Hazardous Combustion Products:** Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

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

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Spill Cleanup:** Contain spilled material if possible. Absorb with materials such as clay, dirt, sand. Sweep up and collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** If this product is exposed to subfreezing temperatures, the active ingredient may crystallize and settle out of solution. Under these conditions the product should be warmed to at least 40°F and agitated well to dissolve any crystallized active ingredient prior to use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

| Component           | Regulation | Type of listing | Value/Notation       |
|---------------------|------------|-----------------|----------------------|
| Triisopropanolamine | Dow IHG    | TWA             | 10 mg/m <sup>3</sup> |

**Protective Clothing:** Applicators and other handlers must wear: long-sleeved shirt and long pants, and shoes plus socks.

**General:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                           |                                |                                  |                         |
|-------------------------------------------|--------------------------------|----------------------------------|-------------------------|
| <b>Appearance:</b>                        | light to dark red-brown liquid | <b>pH:</b>                       | 6.5-7.5                 |
| <b>Odor:</b>                              | mild to sweet                  | <b>Dynamic viscosity:</b>        | 8.92-12.2 cP @ 20°C     |
| <b>Melting/freezing point:</b>            | <-10°C(<14°F)                  | <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>                  | 1.14 g/mL (9.51 lb/gal) |
| <b>Flash point (cc):</b>                  | >100°C                         | <b>Relative vapor density:</b>   | not available           |
| <b>Auto-ignition temperature:</b>         | none below 400°C               | <b>Particle characteristics:</b> | not available           |
| <b>Decomposition temperature:</b>         | not available                  |                                  |                         |

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

**CHEMICAL STABILITY:** No decomposition if stored and applied as directed. Stable under all normal use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to hydrogen chloride and nitrogen oxides.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong oxidizers

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

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

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 5.79 mg/L (4-hour)

**EYE IRRITATION:** Essentially nonirritating to eyes.

**SKIN IRRITATION:** Essentially nonirritating to skin.

**SKIN SENSITIZATION:** Not a contact sensitizer. (Guinea Pig)

### **CARCINOGENICITY:**

**EPA:** Not Likely to be Carcinogenic to Humans (Aminopyralid)

**ACGIH:** Not listed      **NTP:** Not Listed

**IARC:** Not Listed      **OSHA:** Not Listed

**REPRODUCTIVE TOXICITY / DEVELOPMENTAL TOXICITY / TERATOGENICITY:** Did not cause birth defects or any other fetal effects in laboratory animals. In animal studies, did not interfere with reproduction.

**MUTAGENICITY TOXICITY:** In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

## 12. ECOLOGICAL INFORMATION

Aminopyralid is practically non-toxic to fish, birds, mammals, aquatic invertebrates and honeybee adults on acute exposure basis. Pesticide is highly toxic to algae/aquatic plants on an acute basis.

### **AQUATIC TOXICITY**

Rainbow Trout (96-hr LC<sub>50</sub>): 360 mg/L

Sheepshead Minnow (96-hr LC<sub>50</sub>): >100 mg/L

Water Flea (48-hr LC<sub>50</sub>): >460 mg/L

Mysid Shrimp (96-hr LC<sub>50</sub>): >104 mg/L

*For similar material(s)*

Very highly toxic to aquatic organisms on an acute basis (LC<sub>50</sub>/EC<sub>50</sub>):

<0.1 mg/L

Green Algae (72-hr EC<sub>50</sub>): >1,000 mg/L

Myriophyllum spicatum (14-d EC<sub>50</sub> / NOAEC): 0.363 mg/L / 0.0639 mg/L

### **AVIAN TOXICITY**

Bobwhite Quail (Dietary LC<sub>50</sub>): >21,422 mg/kg

Bobwhite Quail (Oral LD<sub>50</sub>): >10,000 ppm

### **BEE TOXICITY**

Honey Bee (Oral LD<sub>50</sub>): >460 µg/bee

Honey Bee (Contact LD<sub>50</sub>): >460 µg/bee

### **PERSISTENCE AND DEGRADABILITY**

Material is not readily biodegradable according to OECD/EEC guidelines.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Nonrefillable and refillable containers. Refer to the product label for specific container handling instructions.

## 14. TRANSPORT INFORMATION

|                                            |                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number:</b>                          | UN3082                                                                                                                                                                                                                                                                                                       |
| <b>Proper Shipping Name:</b>               | Environmentally hazardous substance, liquid, N.O.S. (contains aminopyralid triisopropanolamine salt)                                                                                                                                                                                                         |
| <b>Transport Hazard Class:</b>             | 9                                                                                                                                                                                                                                                                                                            |
| <b>Packing Group:</b>                      | III                                                                                                                                                                                                                                                                                                          |
| <b>Hazard Zone:</b>                        | None                                                                                                                                                                                                                                                                                                         |
| <b>Marine Pollutant:</b>                   | Yes <sup>1</sup>                                                                                                                                                                                                                                                                                             |
| <b>Hazardous Substance RQ:</b>             | None                                                                                                                                                                                                                                                                                                         |
| <b>Labels / Placards:</b>                  | US-DOT: Class 9 Environmentally Hazardous Substance <sup>2</sup><br>IMDG, IATA: Class 9 Environmentally Hazardous Substance <sup>3</sup>                                                                                                                                                                     |
| <b>Emergency Guide:</b>                    | 171 (NAERG – North American Emergency Response Guide)                                                                                                                                                                                                                                                        |
| <b><sup>1</sup> Marine Pollutant Note:</b> | 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). |
| <b><sup>2</sup> US-DOT Note:</b>           | Not regulated for “ground only” shipments.                                                                                                                                                                                                                                                                   |
| <b><sup>3</sup> IMDG / IATA Note:</b>      | Not regulated when shipped in single or inner packaging ≤ 1.3 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:** Causes moderate eye irritation.

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

#### ENVIRONMENTAL HAZARDS

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

## 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 (acute)

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

N/A

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

None

### **CERCLA –**

None

### **CALIFORNIA PROP 65 STATUS –**

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: 2.0

Effective Date: 03/28/2023