

# SAFETY DATA SHEET

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



## 1. IDENTIFICATION

**PRODUCT NAME:** PROMENADE XTL  
**DESCRIPTION:** A granular herbicide.  
**EPA Reg. No.:** 81927-79

**COMPANY IDENTIFICATION:**  
**Alligare, LLC**  
1565 5<sup>th</sup> Avenue  
Opelika, AL 36801

## 2. HAZARD IDENTIFICATION

### WARNING

Causes eye irritation (H320)  
Suspected of damaging fertility or the unborn child (H361)  
Very toxic to aquatic life with long lasting effects. (H400+H410)



### HAZARD CLASSIFICATION

Health Hazard	Category	Physical Hazards	Category
Eye Damage/ Irritation	2B	None	-
Reproductive toxicity	2		
		Environmental Hazards	Category
		Hazardous to the aquatic environment, acute	1
		Hazardous to the aquatic environment, chronic	1

### HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

DO NOT mix or allow coming into contact with oxidizing agents, hazardous chemical reaction may occur.

### PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. (P202)

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

Wash hands and exposed skin thoroughly after handling. (P264)

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. (P305+P351+P338+P337+P313)

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

Avoid release to the environment not in accordance with the product label. Collect spillage. (P273 +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

Common Name	Chemical Name	CAS #	Composition
Flumioxazin	1H-Isoindole-1,3(2H)-dione, 4,5,6,7-tetrahydro-2-(7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl)-	103361-09-7	61.2%
Rimsulfuron	2-Pyridinesulfonamide, N-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)-	122931-48-0	10.0%

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.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

#### 5. FIREFIGHTING MEASURES

**Flash Point (PMCC):** Not determined

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

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

**Extinguishing Medium:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

**Fire Fighting Instructions:** Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous Combustion Products:** None known.

**NFPA Ratings:** Health – 1 / Flammability – 1 / 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. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

**Small Spills:** Scoop up material and place in a container for reuse or disposal. Clean contaminated floors and objects thoroughly with water, observing all environmental regulations.

**Large Spills:** Avoid creating a dust cloud and take all possible measures to reduce airborne dust. Vacuum, shovel or sweep up material and place in a container for reuse or disposal. After removal, flush contaminated area thoroughly with water, observing all environmental regulations.

#### 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:** Keep pesticide in original container. Store in a cool, dry, secure place. DO NOT put formulation or dilute spray solution into food or drink containers. DO NOT store or transport near feed or food. Not for use or storage in or around the home. DO NOT contaminate water, food or feed by storage, disposal or cleaning equipment.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Protective Clothing:** Applications and other handlers must wear: long-sleeved shirt and long pants, 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 gray granule	<b>pH:</b>	6-7 (1% dispersion)
<b>Odor:</b>	slightly bitter and smokey	<b>Kinematic viscosity:</b>	not available
<b>Melting/freezing point:</b>	not available	<b>Solubility:</b>	in water, 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>	0.5-0.6 g/cm <sup>3</sup>
<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:** None known.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents, hazardous chemical reaction may occur.

**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>):** > 5,000 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.21 mg/L (4-hour)

**EYE IRRITATION:** Moderately irritating. (Rabbits)

**SKIN IRRITATION:** Slightly irritating. (Rabbits)

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

**CARCINOGENICITY:**

**EPA:** Not Likely to be Carcinogenic to Humans (Flumioxazin and Rimsulfuron)

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

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

**REPRODUCTIVE TOXICITY / DEVELOPMENTAL TOXICITY / TERATOGENICITY:** Reproductive effects were observed in rats exposed to high levels of flumioxazin technical. Flumioxazin technical produced birth defects in the offspring of female rats.

**OTHER TOXICITY:** Compound related effects of flumioxazin technical noted in rats following subchronic exposures at high dose levels were hematotoxicity including anemia, and increases in liver, spleen, heart, kidney and thyroid weights. In dogs, the effects produced at high dose levels included a slight prolongation in activated partial thromboplastin time, increased cholesterol and phospholipid, elevated alkaline phosphatase, increased liver weights and histological changes in the liver. The lowest no-observable-effect-level (NOEL) in subchronic studies was 30 ppm in the three-month toxicity study in rats. Repeated exposures to flumioxazin technical in animals have produced anemia and other blood formation changes, organ weight changes and changes in blood chemistry. Flumioxazin technical did not produce cancer in life-time feeding studies in laboratory animals.

## 12. ECOLOGICAL INFORMATION

Flumioxazin is known to leach through soil and has been found in ground water as a result of normal field use. Flumioxazin is toxic to freshwater fish, freshwater invertebrates, estuarine/marine fish, estuarine/marine invertebrates, and aquatic plants.

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

### AQUATIC TOXICITY

Rainbow Trout (96-hr LC<sub>50</sub> / NOAEC): 2.3 ppm / 0.0077 ppm  
Water Flea (96-hr LC<sub>50</sub> / NOAEC): 5.5 ppm / 0.028 ppm  
Mysid Shrimp (96-hr LC<sub>50</sub> / NOAEC): 0.23 ppm / 0.015 ppm  
Green Algae (120-hr EC<sub>50</sub> / NOAEC): 0.00102 ppm / 0.00079 ppm  
Duckweed (14-d EC<sub>50</sub> / NOAEC): 0.00049 ppm / 0.00022 ppm

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

### AQUATIC TOXICITY

Rainbow Trout (EC<sub>50</sub>): >390 ppm  
Water Flea (EC<sub>50</sub>): >390 ppm  
Mysid Shrimp (EC<sub>50</sub>): >110ppm  
Sheepshead Minnow (EC<sub>50</sub>): >110 ppm

### BIODEGRADABILITY

**Flumioxazin:** Rapidly biodegradable.

## 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

**UN Number:** UN3077  
**Proper Shipping Name:** Environmentally hazardous substance, solid, N.O.S. (contains flumioxazin)  
**Transport Hazard Class:** 9  
**Packing Group:** III  
**Hazard Zone:** None  
**Marine Pollutant:** Yes<sup>1</sup>  
**Hazardous Substance RQ:** None

**Labels / Placards:** US-DOT: Class 9 Environmentally Hazardous Substance<sup>2</sup>  
IMDG, IATA: Class 9 Environmentally Hazardous Substance<sup>3</sup>

**Emergency Guide:** 171 (NAERG – North American Emergency Response Guide)

<sup>1</sup> **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).

<sup>2</sup> **US-DOT Note:** Not regulated for “ground only” shipments.

<sup>3</sup> **IMDG / IATA Note:** Not regulated for ground only shipments 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:** Causes moderate eye irritation. 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.

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

##### **ENVIRONMENTAL HAZARDS**

This product is toxic to non-target plants and aquatic invertebrates. DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to non-target plants and aquatic organisms in neighboring areas. DO NOT apply where runoff is likely to occur. DO NOT apply when weather conditions favor drift from treated areas. DO NOT contaminate water when disposing of equipment washwaters or rinsate.

This pesticide is toxic to plants and should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposures.

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

DO NOT mix or allow coming 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 (acute), Delayed (chronic)

#### **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