

# POSITRON™

## 35 WSP

## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Positron 35 WSB  
**DESCRIPTION:** Insect Growth Regulator  
**EPA Reg. No.:** 93930-77  
**COMPANY IDENTIFICATION:** Avalaire, LLC  
1705 Towanda Ave  
Bloomington, IL 61701

### 2. HAZARD IDENTIFICATION



#### WARNING

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

#### HAZARD CLASSIFICATION

<b>Health Hazards</b>	<b>Category</b>
Serious eye damage/eye irritation	2B
Reproductive toxicity	2

<b>Physical Hazards</b>	<b>Category</b>
None	--

<b>Environmental Hazards</b>	<b>Category</b>
Hazardous to the aquatic environment, short-term (acute)	1
Hazardous to the aquatic environment, long-term (chronic)	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

None

### PRECAUTIONARY STATEMENTS

Obtain special instructions before use. (P201)  
Do not handle until all safety precautions have been read and understood. (P202)  
Wear long-sleeved shirt, long pants, and shoes plus socks. (P280)  
Wash hands 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. (P305+P351+P338)  
**If eye irritation persists:** Get medical advice / attention. (P334+P313)  
**If exposed or concerned:** Get medical advice / attention. (P308+P313)  
Avoid release to the environment. (P273)  
Collect spillage. (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
Pyriproxyfen	(2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine)	95737-68-1	33.9-36.1%
Amorphous synthetic silica gel	--	112926-00-8	35-45%
Toluene	--	108-88-3	0.1-0.2%

### 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 emergency medical assistance, call SafetyCall®: 1-984-465-4791. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

**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:** Not applicable.

**Flammable Limits (LFL-UFL):** Not applicable.

**Fire and Explosion Hazards:** None known beyond normal fire hazards.

**Extinguishing Medium:** Water fog, foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

**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. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff. Decontaminate fire fighting gear and personal protective equipment before reuse.

**Hazardous Combustion Products:** Combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

**NFPA Ratings:** Health – 2 / Flammability – 1 / Reactivity – 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.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain.

**Spill Cleanup:** Clean up spill immediately. Vacuum or sweep up material and place in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a chemical waste container. This material will disperse or dissolve in water. Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, clothing or eyes. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling.

**Storage:** Store in a cool dry place. Keep pesticide in original container. Keep container closed when not in use. Do not put concentrate or dilute into food or drink containers. Not for storage in or around the home.

## 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, and socks plus shoes.

**General:** 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	off-white powder
<b>Odor:</b>	not determined
<b>Melting/freezing point:</b>	not determined
<b>Boiling point/Boiling range:</b>	not determined
<b>Flammability:</b>	not determined
<b>Flammability limits (upper/lower):</b>	not determined
<b>Flash point:</b>	not applicable
<b>Auto-ignition temperature:</b>	not determined
<b>Decomposition temperature:</b>	not determined
<b>pH:</b>	7-9 (1% suspension)
<b>Kinematic viscosity:</b>	not determined
<b>Solubility:</b>	dispersible in water
<b>Partition coefficient:</b>	not determined
<b>Vapor pressure:</b>	not determined
<b>Bulk Density:</b>	11.6 lbs./ft <sup>3</sup>
<b>Relative vapor density:</b>	not determined
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Extreme temperatures and direct sunlight.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**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>):** > 2.13 mg/L (4-hour), product dust expected to cause respiratory irritation<sup>1</sup>

**EYE IRRITATION:** Eye irritation clearing in less than 7 days

**SKIN IRRITATION:** Slightly irritating

**SKIN SENSITIZATION:** Not a contact sensitizer

### CARCINOGENICITY:

**NTP:** Not listed

**IARC:** Group 3 (Amorphous synthetic silica gel, toluene)

**EPA:** Group E (Pyriproxyfen)

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects for the technical grade material.

**REPRODUCTIVE TOXICITY:** Animal testing showed no reproductive toxicity for the technical grade material. The minor component, toluene, has demonstrated reproductive toxicity in some human testing.

**TERATOGENICITY:** Animal testing showed effects on embryo-fetal development at all levels equal to or above those causing maternal toxicity.

<sup>1</sup>Product is packaged in Water Soluble Packaging (WSP) which mitigates any effects from respiratory irritation via inhalation.



## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates and practically non-toxic to birds and bees.

The following information is for the active ingredient, pyriproxyfen:

Bluegill Sunfish (LC<sub>50</sub>): > 0.25 mg/L

Rainbow Trout (NOAEC): 4.3 µg/L

Daphnia (48-hour EC<sub>50</sub>): 0.4 mg/L

Daphnia (NOAEC): 0.015 µg/L (very highly toxic - chronic)

Mysid (EC<sub>50</sub>): 0.065 mg/L (very highly toxic - acute)

Green Algae (72-hr IC<sub>50</sub>): 0.056 mg/L

Mallard/Bobwhite (Oral LD<sub>50</sub>): > 2,000 mg/kg

Mallard/Bobwhite (Dietary LD<sub>50</sub>): > 5,200 mg/kg

Bees (Contact/Oral LD<sub>50</sub>): > 100 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE 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 disposal instructions.

## 14. TRANSPORT INFORMATION

### US-DOT:

Containers ≤ 11 lbs. (5 kg) in strong outer packaging: Not regulated

Containers > 11 lbs. (5 kg) shipped "ground only": Not regulated

Containers > 11 lbs. (5 kg) shipped all or in part by vessel:

Shipping Description: UN3077, Environmentally hazardous substance, solid, N.O.S. (pyriproxyfen), 9, PG III, Marine Pollutant

Emergency Guide: 171

### IMDG:

Containers ≤ 11 lbs. (5 kg) in strong outer packaging: Not regulated

Containers > 11 lbs. (5 kg):

Shipped internationally by vessel: UN3077, Environmentally hazardous substance, solid, N.O.S. (pyriproxyfen), 9, PG III, Marine Pollutant

### IATA:

Containers ≤ 11 lbs. (5 kg) in strong outer packaging: Not regulated

Containers > 11 lbs. (5 kg):

Shipped internationally by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (pyriproxyfen), 9, PG III

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. Harmful if inhaled, swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

See inside label booklet for additional precautionary statements.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by disposing of equipment washwaters or rinsate. Avoid direct application and/or spray drift to bee hives.

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

Toluene (CAS No. 108-88-3) (0.1-0.2%)

### CERCLA Reportable Quantity (RQ) –

Toluene (CAS No. 108-88-3) (0.1-0.2%) – 1000 lbs.

### CALIFORNIA PROP 65 STATUS –



**WARNING:** This product can expose you to toluene, which is known to the State of California to cause reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://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.

To the extent consistent with applicable law, neither Avalaire, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AVALAIRE, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AVALAIRE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.1

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