

# FRAXXEL<sup>TM</sup>

## PSP

### INSECTICIDE

## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Fraxel PSP Insecticide  
**DESCRIPTION:** Insect control product  
**EPA REG. NO.:** 91234-264  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

Very toxic to aquatic life  
with long lasting effects (H400+H410)

#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
None	-	None	-
Environmental Hazards		Category	
Hazardous to the aquatic environment, short-term		1	
Hazardous to the aquatic environment, long-term		1	

#### HAZARDS NOT REQUIRING CLASSIFICATION

None.

#### PRECAUTIONARY STATEMENTS

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

Common Name	Chemical Name	CAS #	Composition
Spinosad (mixture of spinosyn A and spinosyn D)	Spinosad	168316-95-8	44.20%

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

### 4. FIRST AID MEASURES

For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted).

### 5. FIREFIGHTING MEASURES

**Flash Point:** >230°F (>110°C)

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

**Fire and Explosion Hazards:** Not determined.

**Extinguishing Medium:** To extinguish combustible residues of this product use alcohol resistant foam, water, carbon dioxide (CO<sub>2</sub>), dry chemicals.

**Fire Fighting Equipment:** Firefighters should wear full protective clothing and NIOSH approved self-contained breathing apparatus.

**Fire Fighting Instructions:** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

**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, carbon monoxide, carbon dioxide.

**NFPA Ratings:** Health - 1 / 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. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Spill Cleanup:** Dike spill using suitable absorbent or impervious materials such as sand or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes, or clothing.

**Storage:** Store in original container only, tightly closed in a secure place. Keep out of reach of children and domestic animals. In case of leak or spill, remove with absorbent materials and dispose of as 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, shoes plus socks.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	opaque light brown liquid
<b>Odor:</b>	moderately sweet
<b>Melting/freezing point:</b>	not available
<b>Boiling point/Boiling range:</b>	not available
<b>Flammability:</b>	not available
<b>Flammability limits (upper/lower):</b>	not available
<b>Flash point (cc):</b>	>230°F (>110°C)
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	8-9 (1% dispersion)
<b>Viscosity:</b>	541-20,800 cP @ 24°C 340-9,760 cP @ 38°C
<b>Solubility:</b>	not available
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	not available
<b>Density:</b>	1.08 g/cm <sup>3</sup> (9.01 lbs/gal)
<b>Relative vapor density:</b>	not available
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None under normal conditions.

**CHEMICAL STABILITY:** Material is stable under normal conditions.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are 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 (no mortality)

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 5,180 mg/m<sup>3</sup> (4-hours)

**EYE IRRITATION:** Slight irritation (Rabbit)

**SKIN IRRITATION:** No irritation (Rabbit)

**SKIN SENSITIZATION:** No effects identified in animal studies.

**CARCINOGENICITY:**

**EPA:** No evidence of carcinogenicity

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

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

**MUTAGENIC TOXICITY:** In vitro and in vivo tests did not show mutagenic effects. (Spinosad) Based on available data, the classification criteria are not met.

**REPRODUCTIVE TOXICITY:** In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

**STOT-SINGLE EXPOSURE:** Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**STOT-REPEATED EXPOSURE:** In animals, Spinosad has been shown to cause vacuolization of cells in various tissues. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

## 12. ECOLOGICAL INFORMATION

This product is toxic to aquatic invertebrates. This product is highly toxic to mollusks. This product is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds.

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

**AQUATIC TOXICITY**

Bluegill Sunfish (96-hours LC<sub>50</sub>): 5.94 ppm

Fathead Minnow (203-days NOAEC): 0.217 mg/L

Sheepshead Minnow (96-hours LC<sub>50</sub>): 7.87 ppm; (37-days NOAEC): 1.15 ppm

Daphnia Magna (96-hours LC<sub>50</sub>): 14 ppm; (21-days NOAEC): 0.6 ppb

Eastern Oyster (96-hours LC<sub>50</sub>): 0.3 ppm

Algae (120-hours EC<sub>50</sub>): 0.09 ppm; (NOAEC): 0.05 ppm

Duckweed (7-days EC<sub>50</sub>): 10.6; (NOAEC): 1.86 ppm

**AVIAN TOXICITY**

Bobwhite Quail (17-days LD<sub>50</sub>): 2,250 ppm

Mallard Duck (8-days LC<sub>50</sub> dietary based): > 5,516 ppm

**OTHER TOXICITY**

Honeybee (48-hours LD<sub>50</sub>): 0.0029 mg a.i./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:

Not regulated

### IMDG:

#### Containers ≤ 1.3 gal. (5 L) in strong outer packaging:

Not regulated

#### Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains spinosad), 9, PG III, Marine Pollutant

### IATA:

#### Containers ≤ 1.3 gal. (5 L) in strong outer packaging:

Not regulated

#### Containers > 1.3 gal. (5 L) or containers not in strong outer packaging:

Shipped by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains spinosad), 9, PG III, Marine Pollutant

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

##### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. This product is highly toxic to mollusks. . This product is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds.

##### PHYSICAL OR CHEMICAL

Do not mix or allow coming into contact with oxidizing agent. 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

Not listed

### 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

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### CERCLA Reportable Quantity (RQ) –

Not listed

## 15. REGULATORY INFORMATION (CONT.)

### CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other 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 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.

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SDS Version: 1.1\_US

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