



# elusion<sup>TM</sup>

## 2 SC

### SAFETY DATA SHEET

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

#### 1. IDENTIFICATION

**PRODUCT NAME:** Elusion 2 SC  
**DESCRIPTION:** A liquid insecticide  
**EPA REG. NO.:** 91234-238  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

#### 2. HAZARD IDENTIFICATION

##### DANGER

Toxic if inhaled (H331)  
Harmful if swallowed (H302)  
Very toxic to aquatic life (H400)



##### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Acute Toxicity, oral	4	None	-
Acute Toxicity, inhalation	3		
Environmental Hazards		Category	
Hazardous to the aquatic environment, short-term			1

##### HAZARDS NOT REQUIRING CLASSIFICATION

Do not apply this product around electrical equipment due to the possibility of shock hazard.

##### PRECAUTIONARY STATEMENTS

Avoid breathing spray mist. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. (P261+P264+P270+P271)

**IF SWALLOWED:** Get medical help. Rinse mouth. (P301+P317+P330)

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment (see Section 4 on this label). (P304+P340+P316+P321)

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
Chlorfenapyr	4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile	122453-73-0	21.45%

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

#### 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 SafetyCall at 1-844-685-9173 for emergency medical treatment information. For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident, Call **CHEMTREC** Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted).

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

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

#### 5. FIREFIGHTING MEASURES

**Flash Point:** Not available.

**Fire and Explosion Hazards:** Thermal decomposition may produce toxic fumes (see Section 10).

**Extinguishing Medium:** Foam, dry powder, water spray 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. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**Combustion Hazards:** The potential for fire or explosion is low as the solvents have a low vapor pressure. However, this product when heated or atomized in the presence of an ignition source may cause explosion.

**NFPA Ratings:** Health – 3 / 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 earth, 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 breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**Storage:** Store in original container in secure dry storage area. DO NOT store below 32 degrees F. DO NOT store in direct sunlight or heat.

## 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; chemical-resistant gloves such as barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene > 14 mils, or polyvinyl chloride (PVC) > 14 mils, or viton ≥ 14 mils; and shoes plus socks.

**General:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are 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>	white to light brown suspension liquid
<b>Odor:</b>	sweetish
<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:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>pH:</b>	4-5
<b>Dynamic viscosity:</b>	>1 mPa.s (20°C)
<b>Solubility:</b>	dispersible
<b>Partition coefficient:</b>	not available
<b>Vapor pressure:</b>	not available
<b>Density:</b>	9-10 lbs/gal
<b>Particle characteristics:</b>	not available

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** None known.

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

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, hydrogen bromide, hydrochloric acid, hydrofluoric acid, hydrogen fluoride, halogenated hydrocarbons, nitrogen dioxide, hydrocarbons stable at ambient temperature. If product is heated above decomposition temperature toxic vapors may be released.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

The following data is from a substantially similar product:

**ORAL TOXICITY (rat LD<sub>50</sub>):** 560-567 mg/kg (male/female)

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 6.4 mg/L (1 hr; calculated)

**EYE IRRITATION:** Non irritating (Rabbit)

**SKIN IRRITATION:** Non irritating (Rabbit)

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

**CARCINOGENICITY:**

**EPA:** Suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential (chlorfenapyr)

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

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

**MUTAGENIC TOXICITY:** No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

**REPRODUCTIVE TOXICITY:** Not known to cause reproductive or birth defects at normal exposure levels.

## 12. ECOLOGICAL INFORMATION

This pesticide is toxic to aquatic organisms, birds, and wildlife.

The following information is for the active ingredient, Chlorfenapyr:

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 7.44 µg/L

Bluegill (96-hour LC<sub>50</sub>): 11.6 µg/L

Daphnia (96-hour LC<sub>50</sub>): 6.11 µg/L

Algae (EC<sub>50</sub>): 132 µg/L

**AVIAN TOXICITY**

Bobwhite Quail (LD<sub>50</sub>): 34 mg/kg

Mallard Duck (LD<sub>50</sub>): 10 mg/kg

**OTHER TOXICITY**

Honey Bee (LD<sub>50</sub>): 0.2 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:

Not regulated

### IMDG:

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

Not regulated

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

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

### IATA:

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

## 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, inhaled or absorbed through the skin. Causes moderate eye irritation. DO NOT get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

##### Environmental Hazards

This pesticide is toxic to aquatic organisms, birds and wildlife. DO NOT apply directly to water or to areas where surface water is present or intertidal areas below the mean high water mark. DO NOT contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

##### Physical or Chemical Hazards

DO NOT apply this product around electrical equipment due to the possibility of shock hazard.

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

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

None

### CERCLA Reportable Quantity (RQ) –

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 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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