



## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Atrato SL  
**DESCRIPTION:** A liquid insecticide  
**EPA REG. NO.:** 91234-190  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

Harmful if inhaled (H332)



#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Acute toxicity, inhalation	4	None	--
		Environmental Hazards	Category
		None	--

#### HAZARDS NOT REQUIRING CLASSIFICATION

None

#### PRECAUTIONARY STATEMENTS

Avoid breathing mist / vapors / spray. Use only outdoors or in a well-ventilated area. (P261+P271)

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Get medical help. (P304+P340+P317)

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS#	Composition
Cyromazine	N-cyclopropyl-1,3,5-triazine-2,4,6-triamine	66215-27-8	5.0%

**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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.

**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 further treatment advice.

### 5. FIREFIGHTING MEASURES

**Flash Point:** >230°F (110°C)

**Flammability Limits:** Not determined

**Fire and Explosion Hazards:** Do not use or store near heat or open flame.

**Extinguishing Medium:** Dry chemical, foam or carbon dioxide (CO<sub>2</sub>). If water is used to fight fire, dike and collect runoff.

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

**Fire Fighting Instructions:** Evacuate all unnecessary personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion 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.

**Hazardous Combustion Products:** Smoke, fumes or vapors, and oxides of carbon.

**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, drainage systems, any waterways or low areas. Do not flush to drain or soil. Contain contaminated water.

**Spill Cleanup:** Control the spill at its source. Clean up spills immediately. Pick up liquid using suitable absorbent then sweep, scoop or vacuum and place in a suitable container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.



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## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes, or clothing. Do not breathe vapor. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Storage:** Store in a tightly closed container in a cool, dry place. Store at temperatures above 32°F. Crystals may form at lower temperatures. If this occurs, place the product in a warm room (72°F or above) and shake the container at frequent intervals until all crystals are dissolved. Since this formulation contains water, it can also freeze solid at temperatures below 32°F. However, when reconstituted and crystals re-dissolve, product performance is not affected. Store in original container and out of reach of children, preferably in a locked storage area.

## 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, waterproof gloves and 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>	colorless liquid
<b>Odor:</b>	sweet vinegar
<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>	>230°F (110°C)
<b>Auto-ignition temperature:</b>	not determined
<b>Decomposition temperature:</b>	not determined
<b>pH:</b>	4-5 (1% aq.)
<b>Kinematic viscosity:</b>	1.71 cP at 25°C; 1.19 cP at 39°C
<b>Solubility:</b>	not determined
<b>Partition coefficient:</b>	not determined
<b>Vapor pressure:</b>	not determined
<b>Density:</b>	8.3-8.7 lbs/gal
<b>Relative vapor density:</b>	not determined
<b>Particle characteristics:</b>	not determined

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Avoid excessive heat, sparks, flames.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

**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>):** >5,010 mg/kg

**DERMAL TOXICITY (rat LD<sub>50</sub>):** > 2,010 mg/kg

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 2.9 mg/L (4-hour)

**EYE IRRITATION:** Mildly Irritating (rabbit)

**SKIN IRRITATION:** Minimally Irritating (rabbit)

**SKIN SENSITIZATION:** Not a skin sensitizer.

**Information presented below is for the active ingredient cyromazine: CARCINOGENICITY:**

**EPA:** Group E – Evidence of noncarcinogenicity for humans

**NTP:** Not listed

**IARC:** Not listed

**MUTAGENIC TOXICITY:** Data suggest that cyromazine does not have genotoxic activity.

**REPRODUCTIVE TOXICITY/TERATOGENICITY:** There is no evidence of developmental toxicity following *in utero* exposures or that offspring are more susceptible following postnatal exposure.

**OTHER TOXICITY:** None known.

## 12. ECOLOGICAL INFORMATION

Cyromazine is practically non-toxic to freshwater fish and invertebrates; slightly toxic to birds on an acute oral basis, and practically non-toxic to birds, mammals, and terrestrial invertebrates on an acute exposure basis. Cyromazine is stable to hydrolysis and photolysis and is persistent in aerobic soil.

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

### AQUATIC TOXICITY

Rainbow Trout (96-hour LC<sub>50</sub>): > 100 mg/L

Fathead minnow (NOAEC): 73 mg/L

Bluegill (96-hour LC<sub>50</sub>): >90 mg/L

Daphnia (48-hour LC<sub>50</sub>): >88.7 mg/L; (NOAEC): 0.31 mg/L

Mysid shrimp (NOAEC): <0.131 mg/L

Algae (96-hour LC<sub>50</sub>): 124 mg/L

### AVIAN TOXICITY

Bobwhite Quail (LD<sub>50</sub>): 1,785 mg/kg

Mallard Duck (LD<sub>50</sub>): > 2,510 mg/kg

### DEGRADABILITY

Cyromazine and its main metabolite melamine are moderately mobile. Numerous studies conducted (laboratory and field) demonstrate that cyromazine is efficiently degraded by biological mechanisms.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill container. See container labeling for complete disposal instructions.



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## 14. TRANSPORT INFORMATION

<b>US-DOT:</b>	Not regulated
<b>IMDG:</b>	Not regulated
<b>IATA:</b>	Not regulated

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.** Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Do not breathe vapor.

See label for additional precautionary statements.

### PHYSICAL OR CHEMICAL HAZARDS

Corrosive to tin. Do not mix or allow coming in contact with oxidizing agent. Hazardous chemical reaction may occur. Combustible. Do not use or store near heat or open flame. The flashpoint of this product is 118°F.

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

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

Not listed

### CERCLA Reportable Quantity (RQ) –

Not listed

### 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.

To the extent consistent with applicable law, neither Atticus, 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 ATTICUS, 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 ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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