

# exclaim™

## SAFETY DATA SHEET

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

### 1. IDENTIFICATION

**PRODUCT NAME:** Exclaim  
**DESCRIPTION:** Soluble Granule Insecticide  
**EPA REG. NO.:** 91234-358  
**COMPANY IDENTIFICATION:** Atticus, LLC  
940 NW Cary Parkway, Suite 200  
Cary, NC 27513

### 2. HAZARD IDENTIFICATION

#### WARNING

May cause an allergic skin reaction (H317)

May cause damage to organs through prolonged or repeated exposure (H373)

Causes eye irritation (H320)

Harmful if swallowed (H302)

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



#### HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Skin Sensitization	1	None	-
Specific target organ toxicity, repeated exposure	2		
Serious eye damage/eye irritation	2B	<b>Environmental Hazards</b>	<b>Category</b>
Acute toxicity, oral	4	Hazardous to the aquatic environment, short-term (acute)	1
		Hazardous to the aquatic environment, long-term (chronic)	1

#### HAZARDS NOT REQUIRING CLASSIFICATION

Do not use, pour, spill, or store near heat or open flame.

#### PRECAUTIONARY STATEMENTS

Do not breathe dust. Wash hands thoroughly after handling. Do not touch eyes. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. (P260+P264+P265+P270+P272+P280)

**IF ON SKIN:** Wash with plenty of water. If skin irritation or rash occurs: Get medical help. Specific treatment (see section 4 of this document). Take off contaminated clothing and wash it before reuse. (P302+P352+P333+P317+P321+P362+P364)

**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 help. (P305+P351+P338+P337+P317)

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

Get medical help if you feel unwell. (P319)

Avoid release to the environment. (P273)

Collect spillage (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
Emamectin Benzoate	Avermectin B1,4"-deoxy-4"- (methylamino)-, (4"R)-, benzoate (salt)	155569-91-8	5.13%

**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. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC day or night. 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 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 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**NOTE TO PHYSICIAN:** Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Vomiting within one-half hour of exposure can minimize toxicity following accidental ingestion of the product; rapidly after exposure (< 15 minutes) administer repeatedly medical charcoal in a large quantity of water or ipecac.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements. In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since emamectin benzoate is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic emamectin benzoate exposure.

## 5. FIREFIGHTING MEASURES

**Flash Point:** Not available.

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

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

**Extinguishing Medium:** Use dry chemical, foam or CO<sub>2</sub> extinguishing media. 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 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:** During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**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:** Contain spillage and minimize spread. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Keep out of drains, sewers, ditches and water ways. DO NOT contaminate water when disposing of rinse waters.

**Spill Cleanup:** Avoid creating dust during cleanup. Sweep, scoop or shovel spilled material and place into suitable closed containers for reuse or disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Place leaking containers in oversize leakproof drums for transport.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

**Storage:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

**Occupational Exposure Limits:**

Chemical Name	OSHA PEL	ACGIH TLV	Other	Source
Other ingredients	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Emamectin Benzoate	Not Established	Not Established	0.02 mg/m <sup>3</sup> TWA	Syngenta

**Engineering Controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

**Protective Clothing:** Wear long-sleeved shirt and long pants, shoes plus socks; and appropriate chemical-resistant gloves. Wear a minimum of a NIOSH-approved particulate filtering face piece respirator with any R or P filter; OR NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved power air purifying respirator with HE filters. Wear appropriate protective eyewear, if applicable.

**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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	tan, solid pellets
<b>Odor:</b>	mildly sweet
<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 determined
<b>Auto-ignition temperature:</b>	not determined
<b>Decomposition temperature:</b>	not determined
<b>pH:</b>	7.6-8.6
<b>Capillary viscosity:</b>	not determined
<b>Solubility:</b>	not determined
<b>Partition coefficient:</b>	not determined
<b>Vapor pressure:</b>	not determined
<b>Bulk Density:</b>	0.664 g/cm <sup>3</sup> (41.5 lb/ft <sup>3</sup> )
<b>Relative vapor density:</b>	not determined
<b>Particle characteristics:</b>	not determined

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Heat and light.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Incompatible with oxidizing agents.

**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>):** 1,516 mg/kg body weight

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 6.28 mg/L (air 4-hours)

**EYE IRRITATION:** Mildly Irritating

**SKIN IRRITATION:** Slightly Irritating

**SKIN SENSITIZATION:** Positive skin sensitizer

**CARCINOGENICITY:**

**EPA:** Not Listed

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

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

**MUTAGENIC TOXICITY:** None known

**REPRODUCTIVE TOXICITY:** Developmental and reproductive toxicity observed in dosages that are toxic to mature animals.

**OTHER TOXICITY:** None known

**SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:** Central nervous system, bladder. Tremors and nerve lesions observed at lowest dose tested in rabbits. Bladder changes reported in rats.

## 12. ECOLOGICAL INFORMATION

This pesticide is very highly toxic to aquatic organisms

The following information is for the active ingredient, **Emamectin benzoate**:

Rainbow Trout (96-hr LC<sub>50</sub>): 174 µg/L; NOEC: 30 µg/L

Fathead Minnow (NOAEC): 6.5 µg/L

Daphnia (48-hr EC<sub>50</sub>): 1.0 µg/L; NOEC 0.3 µg/L

Eastern Oyster (96-hour EC<sub>50</sub>): 490 µg/L

Algae (96-hr EC<sub>50</sub>): 3.9 µg/L; NOEC ≥3.9 µg/L

Mallard Duck (14-days LD<sub>50</sub>): 46 mg a.i./kg-bw

Mallard Duck (NOEC): 40 mg a.i./kg-diet

Honeybee (LD<sub>50</sub>): 0.0035 µg/bee

Honeybee (NOEC): 0.0008 µg/bee

## 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:** 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:**

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

**IATA:**

Shipped internationally by air: UN3077, Environmentally hazardous substance, solid, N.O.S. (emamectin benzoate), 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

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Prolonged or frequently repeated exposure may cause allergic skin reactions in some individuals.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds, mammals, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow drift to blooming crops or weeds if bees are foraging in the treatment area.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

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

Not listed

#### 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 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.

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.

SDS Version: 1.0

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Manufactured for:  
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