



# ENTERIK™

## 0.15 LV

### SAFETY DATA SHEET

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

#### 1. IDENTIFICATION

**PRODUCT NAME:** Enterik 0.15 LV  
**DESCRIPTION:** A liquid insecticide  
**EPA REG. NO.:** 91234-51  
**COMPANY IDENTIFICATION:** Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

#### 2. HAZARD IDENTIFICATION

##### DANGER

May damage fertility or the unborn child (H360)

May cause damage to organs through prolonged 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        |
|--|----------|---|-----------------|
| Reproductive Toxicity                              | 1        | None  | -               |
| Specific Target Organ Toxicity (Repeated Exposure) | 2        | <b>Environmental Hazards</b>                  | <b>Category</b> |
| Eye Irritation/Damage                              | 2B       | Hazardous to the aquatic environment, acute   | 1               |
| Acute Toxicity, Oral                               | 4        | Hazardous to the aquatic environment, chronic | 1               |

##### HAZARDS NOT REQUIRING CLASSIFICATION

Do not use with or store near any oxidizing or reducing agents. Hazardous chemical reaction may occur.

##### PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood. Wear protective clothing as described in Section 8 of this document. (P202+P280)

Avoid release to the environment not in accordance with the product label. (P273)

Do not breathe mist/vapors/spray. (P260)

Wash hands and exposed skin thoroughly after handling. Do not eat drink or smoke when using this product. (P264+P270)

**If exposed or concerned:** Get medical advice/attention (P308+P313)

Get medical advice/attention if you feel unwell. (P314)

**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 advice/attention. (P305+P351+P338)

**If Swallowed:** Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. (P301+P312+P330)

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 |
|---------------------|----------------------------|-------------------------|-------------|
| Abamectin           | Avermectin B1              | 65195-55-3 & 65195-56-4 | 2.0%        |
| N-Methylpyrrolidone | 2-Pyrrolidinone, 1-methyl- | 872-50-4                | < 20%       |

**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 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 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:** > 110°C (> 230°F)

**Flammability Limits:** Not determined

**Fire and Explosion Hazards:** In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Extinguishing Medium:** Dry chemical, foam, carbon dioxide (CO<sub>2</sub>), and water spray (fog). 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.

## 5. FIREFIGHTING MEASURES (cont.)

**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:** Avoid misting conditions during cleanup. Absorb with sand or inert material. Put in appropriate container and dispose according to Local, State or Federal regulations. Keep spills away from drinking supplies. Clean contaminated floors and objects thoroughly, observing environmental regulations. Read label for additional information.

## 7. HANDLING AND STORAGE

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

## 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, nitrile rubber, neoprene rubber, or Viton; 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

**Appearance:** transparent amber liquid

**Odor:** mildly sweet

**Melting/freezing point:** not determined

**Boiling point/Boiling range:** not determined

**Flammability:** >230°F (>110°C) (setaflash)

**Flammability limits (upper/lower):** not determined

**Flash point:** not determined

**Auto-ignition temperature:** not determined

**Decomposition temperature:** not determined

**pH:** 4-5 (1% solution)

**Kinematic viscosity:** 89.7 cP at 24°C;  
44.1 cP at 39°C

**Solubility:** not determined

**Partition coefficient:** not determined

**Vapor pressure:** not determined

**Density:** 1.060 g/cm<sup>3</sup> (8.85 lbs/gal) @24°C  
1.045 g/cm<sup>3</sup> (8.72 lbs/gal) @ 39°C

**Relative vapor density:** not determined

**Particle characteristics:** not determined

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Do not use or store near heat or open flame.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizing and reducing 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>):** >550 mg/kg

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

**INHALATION TOXICITY (rat LC<sub>50</sub>):** > 5.57 mg/L (4-hour)

**EYE IRRITATION:** Causes eye irritation (rabbit)

**SKIN IRRITATION:** Not classified as a skin irritant (rabbit)

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

**Information presented below is for the active ingredient abamectin:**

**CARCINOGENICITY:**

**NTP:** Not listed

**IARC:** Not listed

**EPA:** Group E -Evidence of Non-Carcinogenicity for Humans

**DEVELOPMENTAL TOXICITY:** Developmental effects such as cleft palate were reported in rabbits. GABA also plays a role in development; cleft palate findings may reflect the interaction of abamectin on the GABA receptor.

**NEUROTOXICITY:** At high dose, decreased motor activity, reduced splay reflex, & tip toe gait were seen. No death or histopathological changes in nervous system were found in rats.

**REPEATED EXPOSURE TOXICITY:** Abamectin may cause damage to organs (nervous system) through prolonged or repeated contact.

## 12. ECOLOGICAL INFORMATION

Enteric 0.15 LV is highly toxic to bees and aquatic organisms.

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

**AQUATIC TOXICITY**

Rainbow Trout (96-hour LC<sub>50</sub>): 2.76 µg/L; (NOAEC): 0.52 µg/L

Sheepshead Minnow (96-hour LC<sub>50</sub>): 15.0 µg/L; (NOAEC): 0.30 µg/L

Daphnia (48-hour LC<sub>50</sub>): 0.27 µg/L; (NOAEC): 0.0029 µg/L

Mysid shrimp (96-hour EC<sub>50</sub>): 0.020 µg/L; (NOAEC): 0.0035 µg/L

Algae (9-day EC<sub>50</sub>): 12,000 µg/L; (NOAEC): 12,000 µg/L

**AVIAN TOXICITY**

Mallard Duck (Acute Oral LD<sub>50</sub>): 85 mg/kg

Bobwhite Quail (NOAEC, diet): 20.0 mg/kg

**TERRESTRIAL INVERTEBRATES TOXICITY**

Honey bee (LD<sub>50</sub>): 0.0044 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:** Non-refillable and refillable containers. See container labeling for complete disposal instructions.

## 14. TRANSPORT INFORMATION

### US-DOT:

**Containers ≤ 1.3 gal. (5 L) in strong out packaging:**

Not regulated<sup>1</sup>

**Containers > 1.3 gal. (5 L) shipped "ground only":**

Not regulated<sup>2</sup>

**Containers > 1.3 gal. (5 L) shipped by vessel:**

Shipping Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains abamectin), 9, PG III, Marine Pollutant

Emergency Guide: 171

### IMDG:

**Containers ≤ 1.3 gal. (5 L) in strong out packaging:**

Not regulated

**Containers > 1.3 gal. (5 L):**

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

### IATA:

Shipments by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains abamectin), 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.** Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including freshwater shrimp), and insects.

This product may impact surface water quality due to runoff of rain water.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not use with or store near any oxidizing or reducing agents.

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

Abamectin (CAS No. 71751-41-2)

N-Methylpyrrolidone (CAS No.872-50-4)

#### CERCLA Reportable Quantity (RQ) –

Not listed

#### CALIFORNIA PROP 65 STATUS –



**WARNING:** This product can expose you to chemicals including abamectin and N-methylpyrrolidone, which are known to the State of California to cause developmental toxicity. 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 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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