

**SAFETY DATA SHEET**

VERSION 1.1

Revision Date: September 2023

## Section 1: IDENTIFICATION

**Product Identifier:** MICROBE-LIFT BIOLOGICAL MOSQUITO CONTROL

**Brand:** MICROBE-LIFT

**Product Number** is based on Product Size. For more information request for brochure/ refer one.

**Manufacturer:** Ecological Laboratories Inc.

**Address:** 2525 N.E. 9<sup>th</sup> Avenue  
Cape Coral, FL 33909

**Phone:** (800) 645-2976

**Emergency:** (800) 424-9300

**Outside USA:** (202) 483-7616

**Recommended Use:** For birdbaths and other areas where water accumulates.

## Section 2: HAZARD(S) IDENTIFICATION

**Hazard Classification:** Skin & Eye Irritant

**Signal Word:** Warning

**Hazard Statement:** Classified as Non-Hazardous. Can cause eye and skin irritation over a long period of exposure.

**Pictograms:**



**Precautionary Statements:** Avoid contact with eyes. Flush immediately if needed. Use gloves to avoid contact with skin and open wounds. If exposed, wash with soap and water. Do not use internally. Keep out of reach of children.

**Description of hazard not otherwise classified:** NA

**Mixture containing an ingredient with unknown toxicity:** NA

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** NA

**Common Name & Synonyms:** MICROBE-LIFT BIOLOGICAL MOSQUITO CONTROL

**Chemical Abstracts Service (CAS) number and unique identifiers:**

Bacillus thuringiensis subspecies israelensis Strain BMP 144, solids, spores and insecticidal toxins

**Impurities & Stabilizing Additives:** NA

**Chemical Name and Concentration of all ingredients (classified as health hazard):**

Potency 1,200 ITU/mg

## Section 4: FIRST AID MEASURES

**Note:** The product has been classified as a non-hazardous substance.

### **In case of skin contact**

May cause skin irritation. Slight redness on hands and forearms if individual has a history of dermal allergic reactions. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact. Rinse with water. Remove contaminated clothing and footwear. If symptoms persist, call a physician.

### **In case of eye contact**

This material may cause eye irritation. Rinse with plenty of lukewarm water, also under eyelids for fifteen minutes. If symptoms persist, call a physician.

### **If inhaled**

Prolonged contact may cause slight irritation. Supply fresh air immediately. Rinse mouth and nose with water. Contact a physician if necessary.

### **If swallowed**

Excessive ingestion may cause nausea or diarrhea. Irritation of the mouth, pharynx, esophagus and stomach can develop. Rinse mouth with water. Gargle with water. If uneasy symptoms persist, call a physician. Induce vomiting only if advised by physician or poison control. Call poison control.

**Recommendation for immediate medical care:** Proceed as mentioned above. Call poison control if ingested. Seek medical attention if irritation persists. Remove contaminated clothing and footwear; wash with soap and water if it comes in contact with skin.

## Section 5: FIRE FIGHTING MEASURES

### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the environment.

### **Special hazards arising from the substance or mixture**

NA

### **Advice for firefighters**

Wear protective clothing and self-contained breathing apparatus

### **Further information**

NA

## Section 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

As mentioned under section 7.

### **Environmental Precautions**

NA

### **Methods and materials for containment and cleaning up**

Absorb spill with an inert material, such as clay, and place in a container for disposal.

### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on PPE.

See Section 13 for disposal information.

## Section 7: HANDLING & STORAGE

### **Precautions for safe handling**

Tightly reclose containers of unused materials. Do not contaminate water, food, or feed by storage or disposal.

### **Conditions for safe storage, including any incompatibilities**

Store in a secure, cool, dry, well-ventilated room, building or covered area. Avoid temperatures above 72° F.

**Specific end use(s)**

NA

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

None

**Components with workplace control parameters**

Contains no substance with occupational exposure limit values.

**Exposure controls**

Material transfer should be done under conditions of local exhaust ventilation to avoid breathing mist.

**Permissible Exposure Limit (PELs)**

None

**Threshold Limit Values (TLVs)**

None

**Appropriate engineering controls**

Open air/Ventilation

**Personal protective equipment**

Wash hands before and after using the product.

**Eye/face protection**

None required for consumer use. If splashes are likely to occur, wear safety glasses with side-shields.

**Skin and Body protection**

None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Control of environmental exposure**

NA

## **Section 9: PHYSICAL & CHEMICAL PROPERTIES**

**Appearance**

Tan liquid

**Odor**

None

**pH**

4.0 to 5.0

**Melting point/freezing point**

NA

**Initial Boiling Point**

100° C

**Flash Point**

NA

**Flammability (solid, gas)**

None

**Vapor Pressure & Density**

NA

**Water Solubility**

NA

**Specific gravity**

1.04 – 1.12

## Section 10: STABILITY AND REACTIVITY

### Reactivity

NA

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

NA

### Condition to avoid

None known.

### Incompatible materials

Do not expose to solutions with high alkalinity

### Hazardous decomposition products

NA

## Section 11: TOXICOLOGICAL INFORMATION

### Acute Toxicity

Routes of Entry:                   Inhalation – No  
  Skin - No  
  Ingestion - No

Oral Toxicity: N/D. The acute oral LD<sub>50</sub> in both male and female rats was > 5,000 mg/kg b.w., for the technical powder used in the formulation indicating that the material is non-toxic by ingestion in single doses.

Dermal Toxicity: N/D. The acute dermal LD<sub>50</sub> in both male and female rabbits was found to be > 2,000 mg/kg b.w. for the technical powder used in the formulation indicating that the material no more than slightly toxic by a single skin application.

Dermal and Eye Irritation: The product is considered to be non-irritating to rabbit eye and/or skin.

Dermal Sensitization: Appropriate skin sensitization studies in guinea pigs have indicated that the product is a non-sensitizing agent.

Inhalation Toxicity: N/D. The LC<sub>50</sub> in four hour inhalation studies in rats was 25.1 mg/L (actual) of air, the maximum attainable concentration.

Corrosiveness: Non-corrosive.

### MICROBE-LIFT/BMC (Biological Larvaecide Aqueous Suspension)

Carcinogenicity:                   NTP - NL  
  IARC - NL  
  OSHA - NL  
  ACGIH - NL

Medical Conditions Aggravated by Exposure: N/D. Pre-existing eye lesions or lung disease.

### Chronic Toxicity

NA

### Reproductive Toxicity

NA

### Additional Information

None

## **Section 12: ECOLOGICAL INFORMATION**

### **Toxicity**

NA

### **Persistence and degradability**

NA

### **Bio-accumulative potential**

NA

### **Mobility in soil**

NA

### **Other adverse effects**

This product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bio accumulative potential, aquatic toxicity and other data relating to eco toxicity.

## **Section 13: DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

## **Section 14: TRANSPORT INFORMATION**

### **DOT (US)**

#### **UN Number**

NA

#### **Class**

NA

#### **Packing Group**

NA

#### **Proper Shipping Name**

NA

## **Section 15: REGULATORY INFORMATION**

There are no safety, health and environmental regulations/legislation specific for the substance or mixture. Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

## **Section 16: OTHER INFORMATION**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

This product conforms on its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. However, the manufacturer could

withdraw the chemical composition of the product on the basis of it being a trade secret.

**29 CFR 1910.1200 (I)(1)**

The safety data sheet indicates that the specific chemical identity and/or percentage of composition is being withheld as a trade secret; The specific chemical identity and percentage is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgment upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.