



**Ecological Laboratories INC.**

*Providing Aquatic Solutions Since 1976*

**SAFETY DATA SHEET**

VERSION 1.1

Revision Date :May 2015

## **Section 1 : IDENTIFICATION**

**Product Identifier :** MICROBE LIFT BIOLOGICAL MOSQUITO CONTROL (BMC)

**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:** Controls mosquito larvae within 24 hours

## **Section 2 : HAZARD(S) IDENTIFICATION**

**Hazard Classification :** Skin Irritant

**Signal Word :** Caution

**Hazard Statement:** Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use.

**Pictograms :**



**Precautionary Statements:** Hazards to humans and domestic animals.

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

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

## **Section 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Name :** Biological Mosquito Control ; Bacillus thuringiensis subspecies israelensis

**Common Name & Synonyms :** MICROBE LIFT BMC

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

**Impurities & Stabilizing Additives :** NA

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

Bacillus thuringiensis subspecies israelensis, solids, spores and insecticidal toxins - 8 %

Other ingredients - 92%

## **Section 4 : FIRST AID MEASURES**

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

### **If inhaled**

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

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

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

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.

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. The product is considered to be non-irritating to rabbit eye and/or skin. Appropriate skin sensitization studies in guinea pigs have indicated that the product is a non-sensitizing agent.

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

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 ingested**

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.

**Recommendation for immediate medical care:** Remove individual to fresh air. Seek medical attention if there is difficulty in breathing. If skin or eye contact occurs flush with plenty of water. If irritation occurs, seek medical attention. No known antidote.

## **Section 5 : FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

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

### **Special equipment**

In the event of fire, wear self-contained breathing apparatus.

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

NA

### **Advice for firefighters**

Fire fighters must wear fire resistant personnel protective equipment.

### **Further information**

NA

## **Section 6 : ACCIDENTAL RELEASE MEASURES**

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

Safety glasses, Gloves, Chemical resistant clothing.

### **Environmental Precautions**

Do not pour to treated, finished drinking water reservoirs or drinking water receptacles. .

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

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

NA

### **Specific end use(s)**

NA

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

### **Control parameters**

PPE

### **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**

None

### **Personal protective equipment**

#### **Eye/face protection**

Tightly fitting safety goggles must be worn.

#### **Skin protection**

Skin should be covered by clothing at a minimum. Avoid excessive skin contact.

#### **Body protection**

Same as above

#### **Respiratory protection**

Dusk mask in absence of local exhaust ventilation, approved respirators are recommended.

#### **Control of environmental exposure**

Minimized environmental exposure.

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

### **Appearance**

Tan Liquid Potency 1,200 ITU/mg

### **Odor**

#### **pH**

Range 4.0 to 5.0

#### **Melting point/freezing point**

NA

#### **Initial Boiling Point**

100C

#### **Flash Point**

NA

#### **Flammability (solid, gas)**

NA

#### **Relative Density**

NA

#### **Water Solubility**

NA

#### **Viscosity**

NA

## **Section 10 : STABILITY AND REACTIVITY**

### **Reactivity**

Stable under normal conditions

### **Chemical stability**

Do not expose to solutions with high alkalinity.

### **Possibility of hazardous reactions**

NA

### **Condition to avoid**

NA

### **Incompatible materials**

High Alkali

### **Hazardous decomposition products**

NA

## **Section 11 : TOXICOLOGICAL INFORMATION**

### **Acute Toxicity**

N/A

### **Chronic Toxicity**

N/A

### **Reproductive Toxicity**

N/A

### **Additional Information**

None

## **Section 12 : ECOLOGICAL INFORMATION**

### **Toxicity**

Not classified.

### **Persistence and degradability**

NA

### **Bio-accumulative potential**

N/A

### **Mobility in soil**

NA

### **Other adverse effects**

None

## **Section 13 : DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

Call your local solid waste agency for disposal information. Never place unused products down any indoor or outdoor drains.

## **Section 14 : TRANSPORT INFORMATION**

### **DOT (US)**

### **UN Number**

N/A

### **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.

Sara Title III Data:

Section 311 and 312 Hazard Categories:

Immediate Health Hazard -	None
Delayed Health Hazard -	None
Fire Hazard -	None
Reactive Hazard -	None
Sudden Pressure Release Hazard -	None
Section 302: Extremely Hazardous Substances -	None
Section 313: Toxic Chemicals -	None
CERCLA Reportable Quantity -	Not Listed

FOR EMERGENCY CALL:

CHEMTREC-DAY OR NIGHT (800)424-9300 or  
Outside USA: 202-483-7616 COLLECT

## 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.

