

## Section 1 : IDENTIFICATION

**Product Identifier :** MICROBE LIFT CONCENTRATED GARLIC ENHANCE

**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:** Read Label.

## Section 2 : HAZARD(S) IDENTIFICATION

**Hazard Classification :** Skin & Eye Irritant

**Signal Word :** Caution

**Hazard Statement:** 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 :** MICROBE LIFT CONCENTRATED GARLIC ENHANCE

**Common Name & Synonyms :** NA

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

Ingredients not precisely identified are non -hazardous & proprietary.

All chemical ingredients appear on the EPA TSCA Inventory.

Values are not product specifications.

(Active Ingredient) Oil & water miscible natural extract of garlic (*Allium sativum L.*) which has been dissolved in Kosher Polysorbate 80 and glycerides.

**Impurities & Stabilizing Additives :** NA

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

NA

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

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

### **If inhaled**

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

### **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 swallowed**

Excessive ingestion may cause nausea or diarrhea. Irritation of the mouth, pharynx, esophagus and stomach can develop. Immediately drink 3-4 glasses of milk. Do not induce vomiting. If vomiting does occur, give fluids again. Rinse mouth with water. Gargle with water. If uneasy symptoms persist, call a physician. 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. Alcohol foam; CO2, dry chemical, water

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

NA

### **Advice for firefighters**

Wear NIOSH/MSHA approved self-container breathing apparatus and protective clothing. Cool fire- exposed containers with water spray.

### **Further information**

Product of combustion may be toxic.

## **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**

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Spill may be washed to sanitary sewers; keep out of open bodies of water.

### **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**

Minimize exposure in accordance with good hygiene practice. Keep out of reach of children.

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

Keep containers closed when not in use. Do not contaminate drinking water, food or feed by storage or disposal.

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

NA

## Section 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

None

### Components with workplace control parameters

Sodium Bicarbonate CAS# 144-55-8, > 15%

Soda Ash CAS# 497-19-8, > 5%

### Exposure controls

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

### Permissible Exposure Limit (PELs)

10mg/m<sup>3</sup>

### Threshold Limit Values (TLVs)

NA

### Appropriate engineering controls

Open air/Ventilation

### Personal protective equipment

Wash hands before and after using the product.

### Eye/face protection

Tightly fitting safety goggles recommended

### Skin protection

Skin should be covered by clothing at a minimum. Avoid excessive skin contact. Rubber gloves-recommended.

### Body protection

Same as above

### Respiratory protection

In process where mists or vapors may be generated a NIOSH/MSHA jointly approved respirators is advised in the absence of proper environmental controls.

### Control of environmental exposure

NA

### STATE WARNINGS:

**California Proposition 65:** Components present in this material which the State of California has found to cause cancer, birth defects or other reproductive harm are as follows:

**Chemical Name:** Not known

**CAS Number:** Not applicable

**Typical Maximum Concentration:** Not known

**Massachusetts Right-to-Know:** The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

**Chemical Name:** Not known

**CAS Number:** Not applicable

**Typical Maximum Concentration:** Not known

**Michigan Critical Materials:** - The following components of this material are included in the Michigan Critical Materials List:

**Chemical Name:** Not known

**CAS Number:** Not applicable

**Typical Maximum Concentration:** Not known

**New Jersey Right-to-Know:** The following components of this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels:

**Chemical Name:** Not known

**CAS Number:** Not applicable

**Typical Maximum Concentration:** Not known

**Pennsylvania Right-to-Know:** The following components of this material are included in the Pennsylvania Hazardous Substance List and are present at or above reportable levels:

**Chemical Name:** Not known

**CAS Number:** Not applicable

**Typical Maximum Concentration:** Not known

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

### **Appearance**

A viscous, light to dark amber liquid

### **Odor**

Pungent acrid garlic odor.

### **pH**

< 7

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

NA

### **Initial Boiling Point**

>100 C

### **Flash Point**

183 F

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

Non Flammable

### **Vapor Pressure & Density**

NA

### **Water Solubility**

Completely

### **Specific gravity**

Varies

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

### **Reactivity**

NA

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

NA

### **Condition to avoid**

NA

### **Incompatible materials**

NA

### **Hazardous decomposition products**

Thermal decomposition may produce toxic vapors/fumes of carbon monoxide and/or carbon dioxide and other organic materials, and oxides of carbon and sulfur.

## **Section 11 : TOXICOLOGICAL INFORMATION**

### **Acute Toxicity**

NA

### **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.

Container Disposal – Triple rinse. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## **Section 14 : TRANSPORT INFORMATION**

### **DOT (US)**

### **UN Number**

NA

### **Class**

NA

### **Packing Group**

NA

### **Proper Shipping Name**

NA

## **Section 15 : REGULATORY INFORMATION**

**TSCA Section 12(b) Export Notification:** Components present in this product which, if exported, could require either annual or onetime reporting under this regulation are as follows:

**Chemical Name:** None known

**CAS Number:** Not applicable

**Concentration:** Not applicable

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act of 1980):** requires

notification of the National Response Center (Telephone 800-424-8802) in the event of a release of quantities of hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302.4:

**Chemical Name:** Not known

**CAS Number:** Not known

**Typical Maximum Concentration:** Not applicable

**SARA Title III Section 313:** This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities as listed in 40 CFR 372, are met or exceeded:

**Chemical Name:** None known

**CAS Number:** Not applicable

**Concentration:** Not applicable

**SARA Title III, Sections 302/304 (Superfund Amendments and Reauthorization act of 1986):** This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and release Reportable Quantities (RQs) listed for the Components in 40 CFR 355:

**Chemical Name:** Not known

**CAS Number:** Not known

**Typical Maximum Concentration:** Not applicable

**SARA Title III Sections 311/312:** - This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in 40 CFR 370:

**Chemical Name:** Not known

**CAS Number:** Not known

**Hazard Categories\*:** None known

*\*The five hazard categories are as follows:*

*F=FIRE HAZARD; S= SUDDEN RELEASE OF PRESSURE;*

*R=REACTIVE; A=IMMEDIATE (ACUTE) HEALTH HAZARD;*

*C=DELAYED (CHRONIC) HEALTH HAZARD*

## **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.