

Section 1 : IDENTIFICATION

Product Identifier : MICROBE LIFE FOLIAR SPRAY AND ROOT DIP

Brand : MICROBE-LIFE

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

Manufacturer: Ecological Laboratories Inc.

Address : 2525 N.E. 9th 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: 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. Of 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 LIFE FOLIAR SPRAY AND ROOT DIP

Common Name & Synonyms : NA

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

Impurities & Stabilizing Additives : NA

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

<u>PRODUCT</u>	<u>%</u>
Active components	<15%
Water	>80%
Beneficial endo & ecto mycorrhizal	<1%
Other ingredients (non-hazardous liquid organic substrate)	<4%

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

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

No effect if ingested in small amounts. A single dose of this product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop. 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.

Special hazards arising from the substance or mixture

NA

Advice for firefighters

Fire fighters must wear fire resistant personnel protective equipment.

Further information

Product is not considered to be a Fire Hazard.

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

Where possible, flush down drain to waste treatment sewer; otherwise on small spills, use chemical adsorbent and sweep up. For large spills, contain and collect for reuse or 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

Precautions to be taken in handling or storing: Prevent skin and eye contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Store material at temperatures below 120° F./49° C. and above 32° F./0° C.

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 and face before eating, drinking or smoking after handling material.

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

Not recommended

Control of environmental exposure

Minimized environmental exposure.

Section 9 : PHYSICAL & CHEMICAL PROPERTIES

Appearance

Brown/Black liquid

Odor

Pungent distinctive earthy odor

pH

Range 6.5 to 8.0

Melting point/freezing point

NA

Initial Boiling Point

Over 212 F/100 C

Flash Point

NA

Flammability (solid, gas)

None

Vapor Pressure & Density

Equivalent to water

Water Solubility

99%. Disperses in water

Specific gravity

1.04 approximately

Section 10 : STABILITY AND REACTIVITY

Reactivity

NA

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

NA

Condition to avoid

NA

Incompatible materials

Strong acids or alkali compounds.

Hazardous decomposition products

NA

Section 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

NA

Chronic Toxicity

NA

Reproductive Toxicity

NA

Additional Information

None

Section 12 : ECOLOGICAL INFORMATION

Toxicity

Not classified.

Persistence and degradability

None

Bio-accumulative potential

NA

Mobility in soil

NA

Other adverse effects

None

Section 13 : DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal in accordance with federal, state and local regulations.

Section 14 : TRANSPORT INFORMATION

DOT (US)

UN Number

NA

Class

NA

Packing Group

NA

Proper Shipping Name

NA

Section 15 : REGULATORY INFORMATION

HMIS Rating: HEALTH = 1
 FIRE = 0
 REACTIVITY = 0

There are no safety, health and environmental regulations/legislation specific for the substance or mixture

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.