

SAFETY DATA SHEET
VERSION 1.1
Revision Date: September 2018

Section 1: IDENTIFICATION

Product Identifier: MICROBE-LIFT N1

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. 9th Avenue
Cape Coral, FL 33909

Phone: (800) 645-2976

Emergency: (800) 424-9300

Outside USA: (202) 483-7616

Recommended Use: To enhance nitrification

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: Keep out of reach of children. Do not take internally. Avoid contact with eyes. Flush immediately if needed. Use gloves and safety glasses when handling spills. If contact is made, wash with soap and water. If swallowed, drink several glasses of water.

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 N1

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>CAS#</u>	<u>%</u>
Nitrifier bacteria	CAS N/A	40%
Water	CAS 7732-18-5	60%
Sodium bicarbonate	CAS 7732-18-5	1%

Preservative

CAS N/A

less than 1%

Section 4: FIRST AID MEASURES

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

In case of skin contact

Redness and irritation. Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse.

If a large area of the skin is damaged or if irritation persists seek medical attention.

In case of eye contact

Mild irritation. Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention. Do not delay.

If inhaled

Same as exposure to dust. Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.

If swallowed

Irritation of gastrointestinal tract, nausea, diarrhea. Wash out mouth with water. Do not induce vomiting. If patient is conscious give water to drink; if unwell seek medical attention. Irritation of the mouth, pharynx, esophagus and stomach can develop. 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. May also cause bacterial infection.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

NA

Advice for firefighters

Fire fighters must wear fire resistant personnel protective equipment & self-contained breathing apparatus.

Further information

There are no hazardous combustion products in normal use. Fire creates fumes including carbon dioxide and sulphur dioxide.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

As mentioned under section 7.

Environmental Precautions

The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Methods and materials for containment and cleaning up

Vacuum or sweep up avoiding generation of dust. Place in suitable labeled containers and hold for waste disposal.

Wash spill site with water. If bacterial contamination is an issue use chlorine.

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

Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

To be stored at 0° C to 40° C for product viability only. Must be stored in original container with closed lid.

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

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

Water like liquid, brown-pin

Odor

Yeast like odor.

pH

Neutral 6 – 9

Melting point/freezing point

NA

Initial Boiling Point

NA

Flash Point

NA

Flammability (solid, gas)

NA

Vapor Pressure & Relative Density

NA

Water Solubility

NA

Specific gravity

NA

Section 10: STABILITY AND REACTIVITY**Reactivity**

NA

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

NA

Condition to avoid

Accumulations of product in enclosed spaces and generation of dust. Avoid contact with oxidizing chemicals.

Incompatible materials

Acids and Alkalis may inactivate the bacterial cultures.

Hazardous decomposition products

Oxides of carbon and sulphur

Section 11: TOXICOLOGICAL INFORMATION**Acute Toxicity**

Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

LD_{Lo}**LD₅₀**Greater than 2000
mg/kg**oral-rat****skin-rabbit****Chronic Toxicity**

NA

Reproductive Toxicity

NA

Additional Information

None

Section 12: ECOLOGICAL INFORMATION**Toxicity**

Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The other components are unlikely to bio accumulate and are biodegradable.

Persistence and degradability

Contents are biodegradable.

Bio-accumulative potential

NA

Mobility in soil

NA

Other adverse effects

None

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

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.

