



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 NITE OUT II

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: Specially formulated for rapid ammonia and nitrite reduction.

Section 2 : HAZARD(S) IDENTIFICATION

Hazard Classification : Skin & Eye Irritant ; Respiratory tract irritant

Signal Word : Caution

Hazard Statement: Keep out of reach of children. Wash hands after use. If eye irritation occurs, flush with water for fifteen minutes. Do not take internally.

Pictograms :



Precautionary Statements : NA

Description of hazard not otherwise classified : NA

Mixture containing an ingredient with unknown toxicity : NA

Section 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name : Nitrifier bacteria – 40%

Water – 60%

Sodium bicarbonate – 1%

Preservative – less than 1%

Common Name & Synonyms : Microbe Life NITE OUT II

Chemical Abstracts Service (CAS) number and unique identifiers: Water – CAS 7732-18-5

Sodium bicarbonate – CAS 7732-18-5

Impurities & Stabilizing Additives : NA

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

Given above.

Section 4 : FIRST AID MEASURES

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

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.

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

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

If swallowed

Wash out mouth with water. Do not induce vomiting. If patient is conscious give water to drink. If patient feels unwell seek medical attention.

Recommendation for immediate medical care: Call poison control if necessary. Immediate treatment /Antidote: symptomatic treatment. Delayed effect – bacterial infection.

Section 5 : FIRE FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the environment. Water is an ideal solution.

Special hazards arising from the substance or mixture

NA

Advice for firefighters

Fire fighters must wear fire resistant personnel protective equipment.

Further information

Fire creates fumes including carbon dioxide and sulphur dioxide.

Section 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Eye Goggles, Chemical resistant clothing, Rubber gloves

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 mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

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.

Conditions for safe storage, including any incompatibilities

4 C to 20 C for product viability only. The lower the temperature the longer the shelf life. Must be stored in original container with closed lid.

Specific end use(s)

Keep out of reach of children.

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; Wear gloves and wash hands after use.

Permissible Exposure Limit (PELs)

None

Threshold Limit Values (TLVs)

None

Appropriate engineering controls

Open air/Ventilation

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles are recommended

Skin protection

Wash after exposure. Overalls and boots recommended.

Body protection

Same as above; Always wash thoroughly after handling chemicals.

Respiratory protection

Dust mask

Control of environmental exposure

Users should be aware of environmental considerations and their duties.

Section 9 : PHYSICAL & CHEMICAL PROPERTIES

Appearance

Water like liquid, brown pink color.

Odor

Yeast like

pH

Neutral 6.0 to 9.0

Melting point/freezing point

Similar to water

Initial Boiling Point

Similar to water

Flash Point

NA

Flammability (solid, gas)

NA under normal conditions of storage and handling.

Auto Ignition temperature

NA

Explosive limits

NA

Oxidizing Properties

None

Vapor Pressure & Density

Equivalent to water

Water Solubility

99% Soluble; Disperse in water.

Relative Density

.6 to .8

Section 10 : STABILITY AND REACTIVITY

Reactivity

NA

Chemical stability

Stable under normal conditions of storage and handling

Possibility of hazardous reactions

Avoid contact with oxidizing chemicals

Condition to avoid

Accumulations of product in enclosed spaces and generations of mist

Incompatible materials

Acids and Alkalis may be inactivating the bacterial culture.

Hazardous decomposition products

Oxides of carbon and sulphur

Hazardous Polymerization

Will not occur

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.

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

None

Bio-accumulative potential

Not likely

Mobility in soil

Disperses in water

Other adverse effects

None

Section 13 : DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposed as a substance – 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 (D)(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.