

Section 1 : IDENTIFICATION

Product Identifier : MICROBE LIFT KALKWASSER

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: Helps to maintain Ph and alkalinity in aquarium.

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: Magnesium Sulfate, CAS# 7487-88-9, <7%.

Mixture containing an ingredient with unknown toxicity : NA

Section 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name : MICROBE LIFT KALKWASSER

Common Name & Synonyms : NA

Chemical Abstracts Service (CAS) number and unique identifiers:

<u>PRODUCT</u>	<u>CAS#</u>
Calcium Hydroxide	1305-62-0

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. Rinse mouth with water. Gargle with water. If uneasy symptoms persist, call a physician. Induce vomiting only if advised by physician or poison control. 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 should wear full face, self-container breathing apparatus and impervious protective clothing.

Further information

Alkaline hydroxides boiled with phosphorus yields mixed phosphine's which may ignite spontaneously in air.

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

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of acetic acid.

Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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 container dry. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25° (77°F).

Specific end use(s)

NA

Section 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

None

Components with workplace control parameters

NA

Exposure controls

TWA: 5 (mg/m³) from ACGIH (TLV) [United States]

TWA: 5 (mg/m³) [Canada]

TWA: 5 (mg/m³) from NIOSH

Consult local authorities for acceptable exposure limits.

Permissible Exposure Limit (PELs)

None

Threshold Limit Values (TLVs)

NA

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Wash hands before and after using the product. Avoid excessive dust. Use with adequate ventilation. Safety showers, eye wash stations and washing facilities must be readily available.

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

NA

Section 9 : PHYSICAL & CHEMICAL PROPERTIES

Appearance

Solid (powdered solid)

Odor

odorless

pH

NA

Melting point/freezing point

NA

Initial Boiling Point

NA

Flash Point

NA

Flammability (solid, gas)

None

Vapor Pressure & Density

NA

Water Solubility

Partially soluble, disperse in water

Specific gravity

NA

Section 10 : STABILITY AND REACTIVITY

Reactivity

NA

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

NA

Condition to avoid

Strong acids or alkali may oxidize or digest organic matter.

Incompatible materials

Incompatible with maleic anhydride, phosphorous, nitroethane, nitromethane, nitroparaffins, nitropropane, polychlorinated phenols + potassium nitrate. When chlorinated phenols are heated for analytical purposes with calcium hydroxide-potassium nitrate mixtures, chlorinated benzodioxins analogous to extremely toxic tetrachlorodibenzodioxin may be formed. Readily absorbs CO₂ from air forming calcium carbonate.

Hazardous decomposition products

NA

Section 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute oral toxicity (LD₅₀): 7300 mg/kg [Mouse].

Chronic Toxicity

NA

Reproductive Toxicity

Mutagenicity: Cytogenic analysis [Rat]: Cell type: Ascites tumor; Dose: 1200 mg/kg

Additional Information

Extremely hazardous in case of eye contact (irritant)

Hazardous in case of skin contact (irritant), of eye contact (corrosive), of ingestion, inhalation. Slightly hazardous in case of skin contact (corrosive, permeator).

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.

Section 14 : TRANSPORT INFORMATION

DOT (US)

UN Number

NA

Class

NA

Packing Group

NA

Proper Shipping Name

NA

Protective Equipment:

Gloves.

Synthetic apron.

Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 15 : REGULATORY INFORMATION

There are no safety, health and environmental regulations/legislation specific for the substance or mixture. Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

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.