

SAFETY DATA SHEET
VERSION 1.1
Revision Date: April 2020

Section 1: IDENTIFICATION

Product Identifier: MICROBE-LIFT CONCENTRATED AQUATIC PLANTING MEDIA

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: Read Label.

Section 2: HAZARD(S) IDENTIFICATION

Hazard Classification: Health Carcinogen Category 1A

Signal Word: Danger

Hazard Statement: May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated exposure by inhalation.

Pictograms:



Precautionary Statements: Do not breathe dust. Do not eat, drink or smoke when using this product. 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. Do not handle until all safety precautions have been read and understood.

Description of hazard not otherwise classified: NA

Mixture containing an ingredient with unknown toxicity: NA

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: NA

Common Name & Synonyms: MICROBE-LIFT CONCENTRATED AQUATIC PLANTING MEDIA

Chemical Abstracts Service (CAS) number and unique identifiers:

This material contains crystalline silica as quartz (CAS 1 4808-60-7). Crystalline silica in the respirable range is present at approximately 2% (Wt. %). The OSHA Permissible Exposure Limit (PEL) and the ACGIH Threshold

Limit Value (TLV) concentration limit of 0.1 mg/m³ is not approached in normal product use (time weighted averages).

Impurities & Stabilizing Additives: NA

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

Crystalline silica as quartz (CAS 1 4808-60-7).

Section 4: FIRST AID MEASURES

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

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 inhaled

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

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 media that are appropriate for surrounding fire; unused product is not combustible.

Special hazards arising from the substance or mixture

None for unused product.

Advice for firefighters

Firefighters should always wear self-contained breathing apparatus and full protective clothing for fires involving chemicals or in confined spaces.

Further information

Product is not considered to be a Fire Hazard.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

No special equipment is generally required for spill clean-up. For dusty conditions, an approved respirator may be needed. Refer to section 8 for additional information.

Environmental Precautions

Report releases as required by local and federal regulations.

Methods and materials for containment and cleaning up

Sweep up and collect unused material for re-use or disposal.

Reference to other sections

See Section 7 for information on safe handling.

Section 7: HANDLING & STORAGE

Precautions for safe handling

Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after use. If clothing becomes dusty, launder before re-use. Use only with adequate ventilation. Minimize the generation and accumulation of dust. Follow good housekeeping practices to keep surfaces, including areas overhead such as piping, drop ceilings, ductwork, etc. free from settled dust. Dry powders can be build static electricity charges when subjected to friction of transfer and in mixing operations.

Conditions for safe storage, including any incompatibilities

Store in a dry area. Keep away from turpentine, hydrofluoric acid, vegetable oil, and other unsaturated organic compounds (such as fish oils), as this may generate heat and/ or fire.

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

General ventilation is adequate for normal use. If handling produces airborne dust, local exhaust ventilation may be needed.

Personal protective equipment

Eye/face protection

Safety goggles if needed to prevent eye contact.

Skin protection

None required for normal use.

Body protection

Same as above

Respiratory protection

NIOSH or MISHA approved dust respirator if excessive dust is generated.

Control of environmental exposure

Minimize environmental exposure.

Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance

Gray to tan to red granular solid

Odor

NA

pH

NA

Melting point/freezing point

NA

Initial Boiling Point

NA

Flash Point

NA

Flammability (solid, gas)

NA

Vapor Pressure & Density

NA

Water Solubility

Insoluble

Specific gravity

2.2

Section 10: STABILITY AND REACTIVITY

Reactivity

NA

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Spontaneous combustion can occur when this product is used to absorb high concentrations of chemicals having a high heat of absorption such as olefins, hydrochloric acid, etc.

Condition to avoid

None.

Incompatible materials

Turpentine, hydrofluoric acid, vegetable oil, fish oil, unsaturated organic compounds.

Hazardous decomposition products

None.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

NA

Inhalation

Inhalation of dust may cause irritation to the eyes, nose, throat and respiratory tract.

Eye contact

Contact may cause mechanical, abrasive irritation with possible injury.

Ingestion

No known hazard.

Chronic Effects

Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains crystalline silica, in the form of quartz. Excessive inhalation of respirable crystalline silica may cause silicosis, a progressive, disabling and sometimes fatal disease of the lung. Symptoms may include cough, shortness of breath, wheezing and reduced pulmonary function.

Reproductive Toxicity

NA

Additional Information

Carcinogenicity Listing

The international agency for research on cancer (IARC), in Monograph 100C has concluded that crystalline silica inhaled in the form of quartz is carcinogenic crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. The National Toxicology Program (NTP) classifies crystalline silica as a known carcinogen. Applications and exposure data indicate that exposure to respirable quartz in this product with normal use

is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV). The manufacturer is not aware of any scientific or medical data available indicating that exposure to respirable crystalline silica from this product under conditions of normal use will cause silicosis or cancer. Adverse effects would not be expected from normal use of this product.

Section 12: ECOLOGICAL INFORMATION

Toxicity

No data available for this product. No adverse effects on the environment are expected.

Persistence and degradability

Bentonite and silica are non-degradable.

Bio-accumulative potential

Not bio-accumulative.

Mobility in soil

NA

Other adverse effects

None currently known.

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose in accordance with local, state and federal environmental Regulations. Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the material absorbed. Check with appropriate regulatory authority for used material containing hazardous waste.

Section 14: TRANSPORT INFORMATION

DOT (US)

UN Number

NA

Class

NA

Packing Group

NA

Proper Shipping Name

NA

Section 15: REGULATORY INFORMATION

US Regulations

SARA 311/312 Hazard Categories

Chronic Health

SARA 313 This product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372)

None

SARA 3020 Listed Chemicals

None

CERCLA:

This product is not subject to CERCLA release reporting. Many states have more stringent reporting requirements. Report releases as required by local and state regulations.

California Proposition 65

This product contains respirable crystalline silica which is known to the State of California to cause cancer.

EPA Toxic Substances Control Act (TSCA)

All of the components of this product are listed on the TSCA Inventory or exempted from TSCA.

International Regulations**Japan MITI**

No data available

AICS

No data available

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.