

MATERIAL SAFETY DATA SHEET
PRODUCT: MICROBE-LIFT Biologically Alive Substrate

SECTION I: IDENTIFICATION

Manufactures Name:	Ecological Laboratories, Inc.
Address:	2525 N.E. 9 th Avenue Cape Coral, FL 33909
Emergency Telephone:	(800)424-9300 (outside the U.S.A. (202) 483-7616 collect)
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SECTION II: COMPOSITIONS/ INGREDIENTS

<u>PRODUCT</u>	<u>CAS#</u>
Fuller's Earth	8031-18-3
Bacillus Spore	N/A
Crystalline silica as quartz	01- 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/m ³ is not approached in normal product use (time weighted averages).	

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Not Applicable
Specific Gravity:	2.45
Vapor pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor density (air=1):	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not applicable
Solubility in water:	Insoluble
Appearance and Color:	Cream to tan, odorless

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

No fire or explosion hazard with this material.

SECTION V: REACTIVITY DATA

Stability:	Stable
Avoid:	Not Applicable
Incompatibility:	In contact with turpentine, hydrofluoric acid, vegetable oil, or other unsaturated organic compounds, heat may be generated.
Hazardous decomposition:	None
Hazardous polymerization:	Will not occur

SECTION VI: HEALTH HAZARD DATA

Routes of Entry:	Inhalation - No Skin - No Ingestion - Yes Eyes - No
Effects of overexposure: Inhalation:	causes irritation of the respiratory tract. Repeated inhalation of excessive concentrations of any dust, including this material, may cause lung injury. Long-term exposure to excessive dust concentrations may cause progressive pulmonary fibrosis (silicosis) due to crystalline silica (quartz).
Skin Contact:	No adverse effects.
Ingestion:	No adverse effects. Contact physician if large amounts ingested.
Eyes:	Mechanical irritation if exposed to large amounts.
Carcinogenicity:	NTP - No IARC - Yes OSHA - No
IARC has placed crystalline silica in Group 2A (probable) based upon limited evidence. Aquatic Planting Media, like other naturally occurring minerals, contains crystalline silica.	
Sign and symptoms: Inhalation:	Coughing, wheezing, pulmonary discomfort.
Eyes:	Mechanical irritation.
Medical conditions generally aggravated by exposure:	May aggravate existing medical conditions, such as asthma and inflammatory or fibrotic lung disease.
Emergency and First Aid Procedures:	
Eyes:	Flush with clear water – 15 minutes
Ingestion:	If large amounts, call physician.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedure:	Sweep or vacuum; place in containers or closed trucks.
Waste and Disposal Method:	Unused material may be disposed of in sanitary landfill.
Handling and Storing:	Store in sealed containers. To prevent respirable dust from contaminating air, use adequate ventilation and dust collection.
Other Precautions:	If used in edible oil bleaching, spent clay mixed with oil may be combustible in air. Use nitrogen or steam filter press purge methods, not air. Cover spent clay with water prior to waste disposal.

SECTION VIII: CONTROL MEASURES

Respiratory Protection:	NIOSH – or MSHA – approved dust respirator if excessive dust is generated.
Ventilation:	Local exhaust as necessary. Vent to dust collection system.
Protective Gloves:	Not applicable.
Eye Protection:	Safety glasses with side shields.
Work/Hygiene Practices:	Avoid excessive dust. Use with adequate ventilation.

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