



Ecological Laboratories INC.

Providing Aquatic Solutions Since 1976

MATERIAL SAFETY DATA SHEET

PRODUCT: MICROBE-LIFT BIO-BLUE

SECTION I: IDENTIFICATION

Manufactures Name: Ecological Laboratories, Inc.
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Cape Coral, FL 33909
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SECTION II: COMPOSITIONS/ INGREDIENTS

<u>PRODUCT</u>	<u>CAS#</u>
Cellulase	9012-54-8
Citric Acid	0077-92-9
C.I Acid Blue 9, Disodium Salt	3844-45-9
Water	7732-18-5
Potassium Sorbate	24634-61-5
Sodium Benzoate	532-32-1

Amount specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

pH	3.5-4.5
Appearance	Blue viscous liquid
Odor	None
Specific gravity	~ 1
Solubility in water	Soluble
Vapor pressure	N/A
Boiling point °F	N/A
Boiling point °C	N/A
Melting point	N/A

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Protection against Fire and Explosions:	No special requirements
HMS Rating:	Health = 1 Flammability = 1 Reactivity = 0
Suitable Fire Extinguishing Media:	Water, foam, carbon dioxide, dry chemical, water.
Non-Suitable Media:	None
Special Exposure Hazards	None
Flash Point:	N/A
Explosive Range:	LEL: N/A

Fire Fighting Instructions:	UEL: N/A Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
HMIS Rating:	Health: 0 Flammability: 0 Reactivity: 0
NFPA Rating:	Health: 0 Flammability: 0 Reactivity: 0

SECTION V: REACTIVITY DATA

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known
Incompatibility (materials to avoid):	Strong acids or alkali compounds.
Hazardous Decomposition or byproducts:	None known
Hazardous Polymerization:	Will not occur
Thermal processing emissions:	N/A

SECTION VI: HEALTH HAZARD DATA

Acute Health Effects:	May cause eye and skin irritation. Ingestion may cause irritation. Inhalation may cause respiratory tract discomfort.
Signs/ Symptoms of Exposure:	Skin contact may discolor skin due to pigment.
Routs of Exposure/ Entry:	Skin contact, Inhalation, Ingestion, Eye Contact.
Target Organs:	Eyes, Respiratory tract, Skin
Medical Conditions aggravated by exposure:	Pre-existing skin problems may be aggravated by prolonged or repeated contact.
Carcinogenic Status:	The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA or ACGIH.
Reproductive Effects:	None Expected.
Emergency & First Aid Procedures:	
Eye Contact:	Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.
Skin Contact:	Wash the affected area thoroughly with plenty of water and soap.
Inhalation:	No inhalation effects known. If affected, remove to fresh air.
Ingestion:	No ingestion effects known. Treat symptomatically.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

Handling:	Avoid repeated or prolong skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Always wash up before eating, smoking or using the facilities.
Storage:	Keep container close when not in use. Store container in a cool place.
Clean-up Techniques:	Wear proper personal protective clothing and equipment. Do not flush liquid into public sewer, water systems or surface waters. Soak up large spill residue and small spills win an inert absorbent. Place into labeled closed container; store in safe location to await disposal. With the small spill, flush carefully with plenty of water. Avoid splashing and high pressure washing.

Disposal: Dispose waste product in accordance with federal, state and local regulations.

SECTION VIII: CONTROL MEASURES

Respiratory Protection:	None required for recommended use.
Ventilation:	Normal
Local Exhaust:	Normal
Mechanical:	N/A
General:	None
Special:	None
Other:	None
Protective Gloves:	Rubber gloves not necessary but recommended.
Eye Protection:	Safety glasses not necessary but recommended.
Other Protective Equipment:	As determined.
Work/Hygienic Practices:	Normal

N/A = Not applicable N/D = Not determined

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