

MATERIAL SAFETY DATA SHEET

ECOLOGICAL LABORATORIES, INC., P.O. BOX 132, 215 N. Main St., Freeport, NY 11520 USA
Phone: 516-379-3441 Fax: 516-379-3632 email: info@microbelift.com
FOR EMERGENCY CALL CHEMTREC – DAY OR NIGHT 800-424-9300 or OUTSIDE USA 202-483-7616

PRODUCT IDENTIFICATION

Material Name: Microbe-Lift Sludge Booster

HAZARDOUS INGREDIENTS

Bacterial Cultures: less than 1% by weight.
Blend of naturally occurring ingredients as a carrier including, corn and wheat bran. 99%
Hazardous ingredient: NONE
% Concentrate: n/a
Classification: n/a
Exposure: n/a
CAS: n/a
EINECS: n/a

HAZARDOUS IDENTIFICATION

Classification: Bacterial culture non pathogenic

FIRST AID MEASURES

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

Exposure	Symptom	Treatment
Inhalation	Same as exposure to dust. May cause respiratory tract irritation.	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	Redness and irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of skin are damaged or if irritation persists seek medical attention.
Eye Contact	Same as dust	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention. Ingestion
Ingestion	Irritation of gastrointestinal tract, nausea, diarrhea	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment

Delayed Effects: bacterial infection

FIRE FIGHTING MEASURES

Suitable Extinguishers: water

Unsuitable Extinguishers: n/a

Hazardous Combustion Products: none in normal use. Large dust accumulations can be explosive, similar to a grain dust explosion.

Special Equipment for Fire Fighting: self contained breathing apparatus

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE – See Exposure Controls/personal protection section.

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Clean up Procedure: Vacuum or sweep up avoiding generation of dust. 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.

HANDLING AND STORAGE

Handling

Ventilation:

Good general ventilation.

Recommended procedures & equipment:

avoid creating dust

Storage

Temperature range:

0 deg C to 40 deg C for product viability only.

Humidity range:

less than 40% for long term exposure of unprotected product for product viability only.

Keep away from:

See Stability and Reactivity section.

Suitable storage Media:

original container with closed lid

Precautions against static discharge:

recommended.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards:

Component

LTEL (8h TWA)

STEL (15mins)

Type None

Personal Protective Equipment:

Respiratory:

Dust mask

Hand:

Wash hands after use. Gloves recommended.

Eye:

Safety glasses or goggles recommended.

Skin:

Wash after exposure. Overalls and boots recommended.

Environmental controls:

Users should be aware of environmental considerations and their duties under the environmental protection act.

Hygiene Measures:

Always wash thoroughly after handling chemicals.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:

Brown free-flowing powder

Odor:

Yeast like odor

pH:

Neutral 6.0 to 7.0 in water dispersion

Boiling Point/range

Not applicable

Melting Point/range

Not applicable

Flash point

Not applicable

Flammability

Not flammable under normal conditions of storage and handling.

Autoignition temperature

Not applicable

Explosive limits

N/A except in presence of large dust cloud

Oxidizing Properties

Non

Vapour Pressure

Not applicable

Relative density

0.6 to 0.8

Solubility in water

Not soluble. Disperses in water.

Solubility in solvent

Not soluble.

Partition coefficient

Not applicable

Viscosity	Not applicable
Vapour density	Not applicable
Evaporation rate	Not applicable
Conductivity	Not applicable

STABILITY & REACTIVITY

Stability:	Stable under normal storage and handling conditions.
Conditions to avoid:	Accumulations of product in enclosed spaces, generation of dust, and excess heat.
Materials to avoid:	Acids and Alkalies may inactivate the bacterial cultures.
Hazardous decomposition products:	oxides of carbon

TOXICOLOGICAL INFORMATION

Toxological effects:	Low acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin, and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history or allergic reaction.
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ECOLOGICAL INFORMATION

Environmental Effects:	Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organism. The carriers are naturally occurring materials.
Mobility:	disperses in water
Degradability:	contents are biodegradable
Bioaccumulative potential:	Not known
Aquatic Toxicity:	Not known

DISPOSAL CONSIDERATIONS

Substance:	Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Container:	As substance.

TRANSPORT INFORMATION (Not regulated for transport)

Proper shipping name:	Waste water treatment compounds, bacterial culture.
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REGULATORY INFORMATION

Label Name	Microbe-Lift Maximum Clarity
Symbols	no risk or safety phrases stipulated
Risk Phrases	no risk or safety phrases stipulated
Safety Phrases	no risk or safety phrases stipulated
E.C. No	

Additional labeling:

Use of this material may be governed by the following regulations: (users are advised to consult these regulations for further information.)

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