

Bi MAX™

MATERIAL SAFETY DATA SHEET

PRODUCT: BIOMAX GREASE AWAY (Drain Line and Grease Trap Treatment)

SECTION I: IDENTIFICATION

Manufacturers Name: Ecological Laboratories, Inc.
Address: 2525 N.E. 9th Avenue
Cape Coral, FL 33909
Emergency Telephone: (800) 424-9300 (outside the U.S.A. (202) 483-7616 collect)
Information Telephone: (800) 645-2976
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SECTION II: COMPOSITIONS/ INGREDIENTS

Bacterial Cultures	2% by weight.
Water	94%
Nonylphenol Polyethylene Glycol Ether	2%
Odor Control #10175	less than 1%
Preservative	less than 1%

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Water like liquid, dyed green.
Odor	Lemon
pH	5.0-7.5
Boiling Point/range	Similar to water
Melting Point/range	Similar to water
Flash point	Not Applicable
Flammability	Not flammable under normal conditions of storage and handling.
Auto ignition temperature	Not Applicable
Explosive limits	Not applicable
Oxidizing Properties	None
Vapor Pressure	Similar to water
Relative density	0.6 to 0.8
Solubility in water	Soluble. Disperses in water.

Solubility in solvent	Not soluble
Partition coefficient	Not Applicable
Viscosity	Similar to water
Vapor density	Similar to water
Evaporation rate	Similar to water
Conductivity	Same as water

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishers:	Water
Unsuitable Extinguishers:	None
Hazardous Combustion Products:	None in normal use. Fire creates fumes including carbon dioxide and sulphur dioxide.
Special Equipment for Fire Fighting:	Self contained breathing apparatus

SECTION V: REACTIVITY DATA

Stability:	Stable under normal storage and handling conditions.
Conditions to avoid:	Accumulations of product in enclosed spaces and generation of mist. Avoid contact with oxidizing chemicals.
Materials to avoid:	Acids and Alkalies may inactivate the bacterial cultures.
Hazardous decomposition products:	Oxides of carbon and sulphur

SECTION VI: HEALTH HAZARD DATA

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

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	Same as exposure to mist	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 a large area of the skin is damaged or if irritation persists seek medical attention.
Eye Contact	Irritation	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention. Do not delay.
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	

SECTION VII: PRECAUTIONS FOR SAFE HANDLING, USE AND DISPOSAL

Handling

Ventilation: Good general ventilation.

Recommended procedures: Avoid creating mist

Storage

Temperature range: 0 deg C to 40 deg C for product viability only.

Humidity range: All

Keep away from: See section 10

Suitable storage Media: Original container with closed lid

Precautions against static discharge: Recommended.

Personal Precautions: Wear appropriate PPE - See section 8

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 mist. 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.

Disposal Consideration:

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

Container: As substance.

SECTION VIII: CONTROL MEASURES

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.

SECTION IX: TOXICOLOGY 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 of allergic reaction.

LD_{Lo}

LD₅₀	Greater than 2000 mg/kg	oral-rat	skin-rabbit
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SECTION X: ECOLOGICAL INFORMATION

Environmental Effects:	Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The other components are unlikely to bio accumulate and are biodegradable.
Mobility:	Disperses in water
Degradability:	Contents are biodegradable
Bioaccumulative potential:	Not Likely
Aquatic Toxicity:	Expected to be toxic. LC 50 less than 100 mg/l.

SECTION XI: TRANSPORT INFORMATION

UN number	Class
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
H.I. Number	Marine Pollutant
Proper Shipping name	Waste water treatment compounds, bacterial culture.

SECTION XII: REGULATORY INFORMATION

Label Name	BIOMAX GREASE AWAY
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 labelling:

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

The information contained in this data sheet does not constitute an assessment of workplace risks.

SECTION XIII: OTHER INFORMATION

This material must not be used for direct contact with food:

Other: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and the USDA.

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