

Material Safety Data Sheet

Product: Quantum-HSC

Section I: Identification

Manufacturer's 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
Date Prepared: 8/9/11

Section II: Composition/Ingredients

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>Counts</u>
<i>Bacillus subtilis</i>	N/A	0.6%	≥1.5 E+6 cfu/cc
<i>Bacillus amyloliquefaciens</i>	N/A	0.6%	≥1.5 E+6 cfu/cc
Water	7732-18-5	70.2%	
Humic extract derived from naturally occurring peat humus	N/A	28.6%	

Note: This product is non-toxic and contains non-pathogenic bacteria.

Note: NIOSH approved respiratory apparatus not required.

Section III: Physical/Chemical Characteristics

Appearance: Brown/Black Liquid
Odor: Pungent distinctive earthy odor
pH: 6.5 to 8.0
Solubility in Water: 99% Soluble. Disperses in water
Boiling Point: 100° C
Vapor Pressure (mm Hg): Equivalent to water
Vapor Density: Equivalent to water
Specific Gravity: 1.4 approximately
Evaporation Rate: N/D

Section IV: Fire and Explosion Hazard Data

Flash Point: N/A
LEL: N/A
Extinguishing Media: None
Special Fire Fighting Procedures: N/D
Unusual Fire & Explosion Hazards: N/A

Fire & Explosion Hazard Summary:	Not considered to be a fire hazard
HMIS Rating:	Health: 1
	Fire: 0
	Reactivity: 0
Fire-Fighting Equipment/Procedure	Standard fire- fighting equipment

N/A=Not Applicable N/D=Not Determined

Section V: Reactivity Data

Stability:	Stable under normal conditions
Conditions to Avoid:	Strong acids or alkali compounds may inactivate bio-cultures
Incompatibility (materials to avoid):	Strong acids or alkali compounds
Hazardous Decomposition or byproducts:	N/A
Hazardous Polymerization:	Will not occur

This is a non-toxic, non-pathogenic mixture of bacteria in a liquid media.

Section VI: Health Hazard Data

Route(s) of Entry:	
Inhalation:	Will not occur
Skin:	Prolonged contact may cause slight irritation
Ingestion:	May cause sickness if ingested in large quantities
Health hazards:	None known
Carcinogenicity:	N/A
NTP:	N/A
ARC Monographs:	N/A
OSHA Regulated:	N/A
Sign & Symptoms of Exposure:	
Ingestion:	No effect if ingested in small amounts. A single dose of this Product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop.
Eyes:	This material may cause eye irritation
Skin:	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.
Medical Conditions Generally Aggravated by Exposure:	May cause infection if in contact with open wounds.
Emergency & First Aid Procedures:	Ingestion: Call poison control center Eyes: Immediately flush with water for 15 minutes Seek medical attention if irritation persists Skin: Remove contaminated clothing and footwear Wash with soap and water.

Section VII: Precautions for Safer Handling and Use

Spill or Leak:	Flush spilled materials into sanitary or storm sewers. Use chemical absorbent and sweep up small spills Contain and collect large spills
Waste and Disposal Method:	Dispose of in accordance with federal, state and local regulations.
Handling and Storing:	Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 200°F/ °C.
Other Precautions:	Keep out of reach of children

Section VIII: Control Measures

Respiratory Protection:	None required for recommended use. Avoid creating Aerosols in poorly ventilated areas
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

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