



# ET's Microbe Activated Barley Straw

**M.S.D.S.**

1. Identification of the substance/preparation and company/undertaking.

**NAME** ET's Microbe Activated Barley Straw      **MSDS No** ET's Microbe Activated Barley Straw USA

**Synonyms:** bacterial products

**Common uses:** pond treatment

**Supplied by:** **Enviro-Tech**  
1970 SW 47<sup>th</sup> Street      Tel: 239-997-6300  
Cape Coral, FL  
33914

2. Composition/information on ingredients.

Components not listed are either non hazardous or in concentration of less than 1%

Bacterial cultures on a blend of naturally occurring ingredients as a carrier including: corn, wheat bran, and Kelp  
Barley Straw

<u>Hazardous ingredient / impurity</u>	<u>% Conc.</u>	<u>Classification</u>	<u>Exposure</u>	<u>CAS</u>	<u>EINECS</u>
None					

3. Hazards identification.

**Classification:**

Bacterial culture non pathogenic

4. First Aid measures.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
<b>Inhalation</b>	Opened bacterial pouch - same as exposure to dust Barley - No irritation	Opened bacterial pouch - Remove from exposure, if irritation persists obtain medical attention Barley - No treatment needed
<b>Skin Contact</b>	Opened bacterial pouch - May cause slight irritation Barley - No irritation	Wash skin with soap and water after contact.
<b>Eye Contact</b>	Opened bacterial pouch - Same as dust Barley - May cause irritation	Irrigate thoroughly with water for at least 10 minutes. If irritation persists obtain medical attention.

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<b>Ingestion</b>	Opened bacterial pouch - Irritation of gastrointestinal tract, nausea, diarrhea Barley - No irritation	Opened bacterial pouch - Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention. Barley - No treatment needed
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**Immediate Treatment / Antidote:** symptomatic treatment

**Delayed Effects:** bacterial infection

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**5. Fire Fighting measures.**

**Suitable Extinguishers:** water

**Unsuitable Extinguishers:**

**Hazardous Combustion Products:** none in normal use.

**Special Equipment for Fire Fighting:** self contained breathing apparatus

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**6. Accidental Release measures.**

**Personal Precautions:** See section 8

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

**Clean up Procedure:** In its original state just vacuum or sweep of material and dispose

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**7. Handling & Storage.**

**Handling** There are no special handling requirements

**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 section 10

**Suitable storage Media:** original container

**Precautions against static discharge:** recommended.

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**8. Exposure Controls/personal protection.**

**Exposure standards:** None

**Personal Protective Equipment:**

**Respiratory:** None in normal use

**Hand:** Wash hands after use.

**Eye:** Safety glasses or goggles recommended (under normal use should not be necessary)

**Skin:** Wash after exposure.

**Environmental controls:** Users should be aware of environmental considerations and their duties under the environmental protection act.

**Hygiene Measures:** Always wash thoroughly after handling.

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9. Physical & Chemical Properties.

<b>Appearance</b>	mesh bag filled with barley straw
<b>Odor</b>	barley straw
<b>pH</b>	Bacterial cultures - neutral 6.0 to 7.0 in water dispersion
<b>Boiling Point/range</b>	Not Applicable
<b>Melting Point/range</b>	Not Applicable
<b>Flash point</b>	Not Applicable
<b>Flammability</b>	Not flammable under normal conditions of storage and handling.
<b>Autoignition temperature</b>	Not Applicable
<b>Explosive limits</b>	Na
<b>Oxidizing Properties</b>	Non
<b>Vapour Pressure</b>	Not Applicable
<b>Relative density</b>	Not Applicable
<b>Solubility in water</b>	Not soluble. Disperses in water.
<b>Solubility in solvent</b>	Not soluble
<b>Partition coefficient</b>	Not Applicable
<b>Viscosity</b>	Not Applicable
<b>Vapour density</b>	Not Applicable
<b>Evaporation rate</b>	Not Applicable
<b>Conductivity</b>	Not Applicable

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10. Stability & Reactivity.

**Stability:** Stable under normal storage and handling conditions.

**Conditions to avoid:** None known

**Materials to avoid:** Acids, Alkalies, Formaldehyde and Chlorine Bleach may inactivate the bacterial cultures.

**Hazardous decomposition products:** None known

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11. Toxicological Information.

**Toxological effects:** Not known

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12. Ecological Information.

**Environmental Effects:** Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The carriers are naturally occurring materials.

**Mobility:** disperses in water

**Degradability:** contents are biodegradable

**Bioaccumulative potential:** Not Known

**Aquatic Toxicity:** Not Known

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13. Disposal considerations.

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

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**Container:** As substance.

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**14. Transport Information.** Not regulated for transport

<b>UN number</b>	<b>Class</b>
<b>Primary Hazard</b>	<b>Subsidiary Hazard</b>
<b>Packing Group</b>	<b>Emergency Action Code</b>
<b>H.I. Number</b>	<b>Marine Pollutant</b>
<b>Proper Shipping name</b> Water treatment compound	

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**15. Regulatory Information.**

<b>Label Name</b>	ET's Microbe Activated Barley Straw
<b>Symbols</b>	no risk or safety phrases stipulated
<b>Risk Phrases</b>	no risk or safety phrases stipulated
<b>Safety Phrases</b>	no risk or safety phrases stipulated

**Additional labeling:** NA

**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.

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**16. Other Information.**

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

Further details may be available upon request from your local distribution site.

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

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