

**MATERIAL SAFETY DATA SHEET**

To comply with U.S.A. and E.C. Regulation SI77, PAGE 22 of the 1994 E.C. Directives.

Date of Issue: June 5, 1997

**1. IDENTIFICATION OF PRODUCT & COMPANY**

PRODUCT NAME	<b>ECOCATALYST®</b>
INTENDED USE	<b>FOG Treatment for Municipal Wastewater Plants, Grease Traps &amp; Septic Tanks</b>
DETAILS OF COMPANY	<b>Bio- Organic Catalyst, Inc.</b> 711 W. 17 <sup>th</sup> Street, Suite E-6 Costa Mesa, CA 92627
	Phone: (949) 515-1301
	Fax: (949) 515-1314

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances presenting a health hazard within the meaning of the chemicals (Hazard Information &amp; Packing) Regulations 1993.

SUBSTANCE NAME	Water, highly purified proteins from plant and mineral sources.
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**3. HAZARDOUS IDENTIFICATION**

DANGER CLASSIFICATION	None
RISK PHRASES	None
[P] PHRASES	None

**4. FIRST AID MEASURES**

GENERAL	Wash well after use.
ON INHALATION	None
ON EYE CONTACT	Wash with copious amounts of water.
ON SKIN CONTACT	Wash with soap and water.
ON INGESTION	Should any symptoms occur, seek medical attention.

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### 5. FIRE FIGHTING MEASURES

#### EXTINGUISHING MEDIA

RECOMMENDED None

NOT TO BE USED None

SPECIAL INSTRUCTIONS FOR  
FIRE FIGHTING PERSONNEL None

### 6. ACCIDENTAL RELEASE MEASURES

Flush away with copious amounts of water.

### 7. STORAGE & HANDLING

HANDLING	General good work practices.
STORAGE	5 Liter and 200 Liter containers in either metal or plastic.  Store below 45 °C as higher storage temperatures reduce the effectiveness of the product.  Should not be stored close to caustics or strong bases.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL PROTECTION	Good industrial practices of hygiene and care.
RESPIRATORY PROTECTION	None
HAND PROTECTION	None
EYE PROTECTION	None
SKIN PROTECTION	None

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE	Brown liquid
FLASH POINT	None
VISCOSITY	20 cps
SPECIFIC GRAVITY	1.05
VAPOR DENSITY	None
LOWER EXPLOSION LIMIT	None
SOLUBILITY IN WATER	100% in water

**10. STABILITY & REACTIVITY**

NO KNOWN REACTION TO OCCUR

CONDITIONS TO AVOID	Temperatures above 45° C.  pH below 3.5 and above 9.5 will affect the quality and condition of the product.  Caustics and strong bases will affect the quality and condition of the product.
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**11. TOXICOLOGICAL INFORMATION**

ORAL	LD50 - Levels of 5,000 mg/kg: No Effects.
OCULAR	Primary Ocular-Albino Rabbits-Levels of 1,000 mg/kg for 24 hours: No effects; Non-Toxic; "No Warning Required".
ACUTE TOXICITY	LC50-Level of 10,000 mg/kg: No effects after 168 hours; Non-Toxic; "No Warning Required".
SKIN TESTS	Draize Test-Dermal score of .38; Non Irritant; "No Warning Required". Repeated Insult Patch - No indication of irritation or sensitization; Non Irritant; "No Warning Required".
INHALATION TESTS	Results. No possibility of Irritation; Non Irritant; "No Warning Required".
LONG TERM STUDIES	No recorded side effects since 1971.

**SAFETY DATA SHEET MATERIAL**

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**12. ECOLOGICAL INFORMATION**

This is a totally safe and efficient biocatalytic converter of waste organic materials. The product causes contaminants and other organic matter to eventually biodegrade, thus returning to carbon dioxide and water. When disposed of in sewage and drainage systems, the product aids in the breaking down of pollutants such as oil.

**13. DISPOSAL CONSIDERATIONS**

Flush down sewage or drainage systems with copious amounts of water.

**14. TRANSPORT INFORMATION**

DOMESTIC ROAD/RAIL Unrestricted

SEA Unrestricted

AIR Unrestricted

INTERNATIONAL ROAD/RAIL Unrestricted

"IN ACCORDANCE WITH NATIONAL AND LOCAL LAWS AND PRACTICES"

**15. REGULATORY INFORMATION**

The product is classified and labeled for supply in accordance with the chemicals (hazard information and packaging) regulations as follows:

DANGER CLASSIFICATIONS In accordance with the chemicals (hazard information and packaging) regulations, this is not applicable.

CONTAINS None

RISK PHRASES None

SAFETY PHRASES Keep out of the reach of children. Keep container tightly closed.

"P" PHRASES None

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health and safety legislation.

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**16. OTHER INFORMATION**

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written instructions.

As specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

This MSDS will be revised and updated as requirements occur. Should further information and relevant advice be required, contact Bio- Organic Catalyst, Inc.