

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	PHYTO-ZYME®
INTENDED USE	Agriculture, Golf Courses
DETAILS OF COMPANY	Bio- Organic Catalyst, Inc. 711 W. 17 th 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 & Packing) Regulations 1993.

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

DANGER	None
CLASSIFICATION	
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 MEASURESEXTINGUISHING 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 ⁰ 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.

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12. ECOLOGICAL INFORMATION

This is a totally safe and efficient biocatalytic degrader 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.