

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2079101	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	BIO-ZYMATIC	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Bio-Enzymatic Cleaner & Digester	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

CLASSIFICATION: This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.	SIGNAL WORD: Not available.	SYMBOL:		
Emergency Overview: Contains non-pathogenic bacterial spores. Appearance: White Physical State: Liquid Odor: Fresh				

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Water	7732-18-5	60-100
Alcohols, C9-11 ethoxylated	68439-46-3	1-5
Diethylene Glycol Monobutyl Ether	112-34-5	1-5
Sodium Xylene Sulfonate	1300-72-7	1-5

Contains 1-5% non-pathogenic bacterial spores.

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

SKIN: If skin irritation occurs, rinse affected area with water.

INHALATION:

No known hazardous effects. If symptoms occur, remove to fresh air.

INGESTION:

Drink plenty of water. If any discomfort persists, obtain medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

None known.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment as required.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water.

7. Handling and Storage

SAFE HANDLING:

Avoid contact with eyes. Observe good industrial hygiene practices.

SAFE STORAGE & INCOMPATIBILITIES:

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

Incompatible Materials: None known.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

No exposure limits noted for ingredient(s).

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: No protective equipment is needed under normal use conditions.

Skin/Face Protection: No protective equipment is needed under normal use conditions.

Respiratory Protection: No protective equipment is needed under normal use conditions.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

APPROPRIATE ENGINEERING CONTROLS:

Ventilation systems.

9. Physical & Chemical Properties

Appearance:	Opaque	Flammability(solid/gas):	n/a-liquid
Physical State:	Liquid	Flammability Limit-lower (%):	Not determined
Color:	White	Flammability Limit-upper (%):	Not determined
Odor:	Fresh	Vapor Density:	Not determined
Odor Threshold:	Not determined	Vapor Pressure:	Not determined
pH:	7.0-7.5	Solubility (water):	Completely soluble (@ 25°C (77°F))
Melting/Freezing Point:	~ 0°C / ~32°F	Solubility in other Solvents:	Not determined
Boiling Point/Range:	~ 100°C / ~212°F	Auto-Ignition Temp:	Not determined
Kinematic Viscosity:	Not determined	Decomposition Temp:	Not determined
Dynamic Viscosity:	Not determined	Partition Coefficient:	Not determined
Flash Point:	Not applicable (Tag Open Cup)	Explosive Properties:	Not determined
Specific Gravity:	1.01	Oxidizing Properties:	Not determined
Evaporation Rate:	Not determined		

10. Stability & Reactivity Information

REACTIVITY:

Not reactive under normal conditions.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

CONDITIONS TO AVOID:

Keep out of reach of children. Keep from freezing.

INCOMPATIBLE MATERIALS:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

When exposed to fire, produces normal products of combustion.

11. Toxicological Information

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Inhalation: Avoid breathing vapors or mists.

Skin Contact: Avoid contact with skin.

Eye Contact: Avoid contact with eyes.

Ingestion: Do not taste or swallow.

COMPONENT INFORMATION:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C9-11 ethoxylated 68439-46-3	= 1378 mg/kg (Rat)	2 g/kg (Rabbit)	-
Diethylene Glycol Monobutyl Ether 112-34-5	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Sodium Xylene Sulfonate 1300-72-7	= 7200 mg/kg (Rat)	-	-

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

Symptoms: Please see Section 4 of this SDS for symptoms.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

CARCINOGENICITY:

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

NUMERICAL MEASURES OF TOXICITY:

Not determined.

12. Ecological Information**ECOTOXICITY:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Diethylene Glycol Monobutyl Ether 112-34-5	100: 96 h Desmodemus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	-	2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIOACCUMULATIVE POTENTIAL:

Not determined.

MOBILITY IN SOIL:

Not determined.

OTHER ADVERSE EFFECTS:

Not determined.

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

CONTAMINATED PACKAGING:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transportation Information

DOT: Not regulated.

IATA: Not regulated.

IMDG: Not regulated.

15. Regulatory Information**INTERNATIONAL INVENTORIES:**

Not determined.

US. FEDERAL REGULATIONS:

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD: Yes

SARA 313

Chemical Name	CAS No	Weight %	SARA 313 - Threshold Values %
Diethylene Glycol Monobutyl Ether	112-34-5	1-5	1.0

US. STATE REGULATIONS**U.S. State Right-to-Know Regulations:**

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

Chemical Name	State List
Diethylene Glycol Monobutyl Ether 112-34-5	NJ & PA

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

16. Other Information**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.