

# Bio-Zyme

## Organic Odor and Stain Eliminator

Product Number 4843

### Description

This unique enzyme based product helps liquefy and digest organic waste as well as eliminating odors arising from vomit, feces, and urine. Use in plumbing lines to destroy waste and keep pipes clear. Regular use helps establish colonies of bacteria in septic tanks to keep systems operating efficiently. Use on floors, walls, hard surfaces, urinals, carpeting, and on fabrics in the laundry operation.

### Directions

**ODOR CONTROL:** Mix 1 part of enzyme product with 2 parts water and spray over problem area. Lightly brush or agitate to make sure all surfaces are treated. Allow product to soak until dry. Repeat steps for difficult odor areas.

**DRAINS/GREASE TRAPS:** For drains and grease traps, add 4-5 ounces. For grease traps larger than 20 cubic feet, use 8-10 ounces. For drain maintenance use an initial charge of 16 ounces and a lesser amount daily to keep drains operating properly.

**NOTE:** For best results, daily automatic injection pumps provide the most consistent and effective preventative maintenance.

**LAUNDRY STAINS:** Mix 1 part enzyme with 2 parts warm water and apply to stains. Allow to soak. Best if used in a soak tank and allowed to work overnight.

Do not use hot or boiling water, disinfectants, bleach, chlorinated products, quats, or harsh drain additives either before, during, after use of this product. Use of these materials will kill the bacteria and render the product useless.

### Technical Data

Form .....	Liquid	pH (1% solution) .....	9.0-9.2
Color .....	Opaque, White	Viscosity.....	Light
Scent.....	Pleasant	Density.....	8.5 pounds/gallon

**Product Category:** General Purpose Cleaners and Laundry Specialties

**DOT Shipping Name:** Compound, Cleaning, Liquid

### Cautions

Contains bacterial enzymes. Do not ingest or allow contact with skin or eyes. If ingested: Drink plenty of water and get medical attention immediately. Do not induce vomiting unless instructed by a physician to do so. Never give fluids to an unconscious person. In case of eye contact: If contacts are worn, remove and dispose of them, then raise eyelids and flush eyes with clear water for 15 minutes making sure to flush under eyelids. Get medical attention immediately. In case of skin contact: Remove contaminated clothing. Flush skin areas with clear water, then wash with a mild soap. If irritation occurs, get medical attention. In case of inhalation: Move victim to fresh air. Get medical advice. Refer to your Material Safety Data Sheet for additional cautions and handling procedures.



Partners In Productivity

PDQ Manufacturing, Inc.

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# Material Safety Data Sheet

## Manufacturer:

PDQ MANUFACTURING, INC.  
201 VICTORY CIRCLE  
ELLIJAY, GEORGIA USA 30540  
PHONE: (706) 636-1848

## Distributed by:

24 Hour Chemical Emergency for: Spill - Leak - Fire - Accident - Exposure  
CHEMTREC: (800) 424-9300 / Int'l: (703) 527-3887 (collect calls accepted)

Reference information – A814 & Product ID Code: 4843

Product Name: **BIO-ZYME**

ID Code: **4843**

Prepared By: W. Drost, Jr.

Date: January 1, 2014

CHEMICAL FAMILY: Organic Waste Digester

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):	%	Exposure Limits, ppm	
		ACGIH TLV	OSHA-PEL
Viable Bacterial Cultures		N/A	N/A

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None.

Carcinogenic Ingredients: Contains no known or suspected carcinogens.

## PHYSICAL PROPERTIES:

Boiling Point: 220°F. % Volatile: 75.  
Solubility in Water: Complete. Vapor Pressure: Same as water.  
Specific Gravity - Liquid (H<sub>2</sub>O = 1): 1.0. Vapor Density (Air = 1): N/A.  
Appearance and Odor: White emulsion liquid with winter green odor.

## FIRE AND EXPLOSION DATA:

Flash Point: None.  
Flammability Limits: N/A.  
Extinguishing Media: Water, CO<sub>2</sub>, foam, dry chemical.  
Special Fire Fighting Procedures: Cool drums with water mist.  
Unusual Hazards: None.

## HEALTH EFFECTS:

**Threshold Limit Value: Not determined for this product.**

**Primary routes of entry:** Eye and skin contact.

### Effects of overexposure:

Skin Contact: May produce a mild to moderate irritation.  
Ingestion: If swallowed, call a physician. Do not induce vomiting unless instructed by a physician. See note in First Aid.  
Eye Contact: May produce burning and irritation.  
Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation.

### Chronic effects of overexposure:

None known or expected.

### Medical conditions that may be aggravated by exposure:

None known or expected.

## EMERGENCY AND FIRST AID PROCEDURES:

**Eye Contact:** If contacts are worn, remove them, then raise eyelids and flush eyes with clear water for 15 minutes making sure to flush under eyelids. Get medical attention immediately.

**Skin Contact:** Remove contaminated clothing. Flush skin areas with clear water, then wash with a mild soap. If irritation occurs, get medical attention.

**Ingestion:** Drink plenty of water and get medical attention immediately. Do not induce vomiting unless instructed by a physician to do so. Never give fluids to an unconscious person.

**Inhalation:** Move victim to fresh air. Get medical advice.

## REACTIVITY DATA:

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility: None.

Hazardous Decomposition Products: None.

Conditions to Avoid: None.

## SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Stop spill at source. Floors may become slippery, avoid falls. For large spills, pump into salvage tank. For small spills, absorb onto sand, earth or other suitable absorbent. Disposal must be in accordance with local, state and federal regulations.

## SPECIAL PROTECTION INFORMATION:

Ventilation: No special ventilation required.

Respiration Protection: None required under normal use.

Eye Protection: None required in normal use.

Protective Gloves: None required in normal use.

Other Protective Equipment: None required.

## SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a dry place.

Wash thoroughly after handling.

**KEEP OUT OF REACH OF CHILDREN.**

Other precautions: None.

## HAZARD RATING:

Health:	1	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	
Specific Hazard:	Non-Corrosive		

## SHIPPING INFORMATION (DOT/UN Classification)

COMPOUND, CLEANING, LIQUID

Disclaimer: The information contained in this Material Safety Data Sheet is provided pursuant to 29CFR 1910.1200 to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.