

# **EPIZYM<sup>®</sup>-DT**

## **Drain & Grease Trap Cleaner**

### **PRODUCT DESCRIPTION**

EPIZYM-DT drain and grease trap cleaner is a natural microbial ecosystem, fortified with added enzymes and stabilizers and enhanced with surface active agents. It is highly effective at cleaning and deodorizing drain and grease traps, urinals and other plumbing systems. EPIZYM-DT biologically degrades grease, fats, soaps and other food waste in an ecologically safe manner without the use of harsh or hazardous chemicals.

The microbes in EPIZYM-DT derive from natural sources and are produced under high quality control conditions to prevent contamination by hazardous microorganisms. The broad spectrum microbes in EPIZYM-DT are specially selected for their grease and sludge digesting power. They are grown to as high a concentration as possible to make EPIZYM-DT the most effective product possible. EPIZYM-DT is formulated with all natural, non-pathogenic microorganisms that are harmless to humans, plants and pets. EPIZYM-DT is not formulated with potentially hazardous bacteria, as are some competitive products. While the EPIZYM-DT organisms are microscopic, they - along with the enzymes they secrete - are powerful, living "engines" that love to consume waste.

If exceptional amounts of cooking fat and grease are present, use with EPIZYM EMULSIFIER.

### **PERFORMANCE**

Restaurant and building managers, food manufacturers, and health specialists report outstanding results when EPIZYM-DT is used to maintain grease traps, urinals, suction lines and plumbing systems in restaurants, residences, office buildings, health care facilities, and institutions. EPIZYM-DT continuously digests waste in grease traps, drains and plumbing systems. Case histories show that waste can reduce the capacity of plumbing systems by as much as 50%.

Contains more aerobic, facultative anaerobic and anaerobic microorganisms than any similar product tested in our laboratories.

### **BENEFITS**

- Biological digestion of grease, fat, soaps and other food waste in plumbing systems.
- Liquefies waste for effective purging of built-up in pipes and waste holding tanks.
- Solubilizes calcium deposits through organic acids released during digestion.
- Eliminates matting and radial grease.
- Tolerates dilute detergents and alcohols.
- Eliminates the source of foul smelling odors.
- Reduces the attraction of insects by eliminating their source of food.
- Improves the operation of septic tanks and sewage treatment plants.
- Will not corrode metals, ceramics, and plastic sanitary system parts.

### **COST EFFECTIVE**

- Compliments traditional plumbing cleaners.
- Extends the time between manual cleanings.
- Reduces maintenance and labor costs.

## APPLICATION CONSIDERATIONS

- Size and type of grease trap: Affects EPIZYM-DT treatment rate as indicated below.
- Type of waste: Different cooking processes produce different wastes so require different amounts of EPIZYM-DT.
- Amount of grease and suspended solids: The amounts of EPIZYM-DT and EPIZYM EMULSIFIER required are directly related to the amount of grease and solids in the wastewater.
- Volume of wastewater flowing through the grease trap: Higher flow volume may require a higher than normal EPIZYM-DT treatment rate.
- Best time to apply EPIZYM-DT: Most efficient use of EPIZYM-DT occurs when the system is under low usage.

## APPLICATION SUGGESTIONS

### GREASE TRAPS

An initial purge is required to disperse accumulated oil and grease and initiate biological cleansing action. Reduction in odors and grease indicates a successful purge. When insufficient EPIZYM-DT is applied, cleansing may be retarded due to insufficient biological action. If this occurs, apply a second purge in 24 hours. Continue with daily to weekly maintenance applications to ensure the biodegradation of waste and elimination of odor.

SIZE OF TRAP		INITIAL PURGE	MAINTENANCE	MAINTENANCE
Liters	U.S. gallons	grams	Grams per Treatment	Treatments Per Week
0 - 50	0 - 13	25	10	1 - 2
50 -100	13 - 26	75	15	2 - 3
100 -150	26 - 40	125	15	3 - 4
> 150	> 40	90 per 100 liters	15 per 100 liters	3 - 4

For the initial purge, mix one part EPIZYM-DT with approximately 10 parts warm water. Apply EPIZYM-DT to plumbing fixtures leading to the grease trap during periods of low water use.

For large commercial or septic tank type grease traps, and for wastewater with excessive grease, increase the amount EPIZYM-DT and frequency of application until satisfactory performance is achieved. Best results are obtained with recently cleaned grease traps and plumbing fixtures containing minimal oil, grease and solid matter.

If grease and fat build-up is exceptionally high, use EPIZYM EMULSIFIER to disperse waste to increase the speed of biological action. Use 1 gram EMULSIFIER per liter of water (approximately 20 grams or 2/3 ounces per 5 gallons). This treatment should be made in conjunction with the EPIZYM-DT LIQUID treatment.

## COMPLEX PLUMBING SYSTEMS

Start EPIZYM-DT treatment at the end of each horizontal branch and stack vent, beginning in the basement or building drain and working up each successive floor until the entire system is cleaned and free flowing. Adoption of the weekly maintenance program will keep the system operating properly and reduces the cost and need for unscheduled maintenance.

## OTHER PLUMBING APPLICATIONS

APPLICATION	INITIAL PURGE (gram)	INITIAL PURGE (US oz.)	MAINTENANCE Number of 50 gm (2 oz.) per/week
Urinal	120	4	1 - 2
Floor Drain	120	4	1 - 2
Garbage Grinder	-	-	1 - 2
Pot Sink	240	8	1 - 2
Horizontal Line	120	4	1 - 2
Stack Vent	120	4	1 - 2
Janitorial Drain	120	4	2 - 3
Lift Station	120	4	3 - 5

## INCOMPATIBILITIES

Harsh chemicals may harm the microbes and enzymes in EPIZYM-DT. Use of concentrated acid, vinegar, caustic soda, bleach or disinfectants in conjunction with EPIZYM-DT should be avoided. High concentrations of detergents should be avoided. It is recommended that substances likely to harm EPIZYM-DT enzymes and bacteria be diluted or eliminated.

Hot frying fats or continuous hot water from dish washers & pot sinks. Enzyme and bacterial action will cease if water temperature is > 50°C (122°F).

**PACKAGING:** EPIZYM-DT is supplied in 40 kilogram (88 pound), net weight polyethylene lined fiber drums and in five and one kg plastic pails.

## PRODUCT STORAGE

Biological products are unlike inert chemical products. They require special treatment during storage and handling, Therefore, for EPIZYM-DT,

- \* Do not store continuously at temperatures above 40°C (104°F).
- \* Store out of direct sunlight in a well ventilated area.
- \* Keep products dry until ready to hydrate.
- \* Do not mix with any materials not recommended by Epicore, especially biocides and harsh chemicals

## SAFETY

All Epicore biological products are non-toxic. However, the user is advised to consult the Material Safety Data Sheet for further information and guidance.

**For institutional use only.  
Keep out of reach of children.**

### **Epicore BioNetworks Inc. Contact Information**

#### **American Operations:**

Epicore BioNetworks Inc.  
4 Lina Lane  
Eastampton, New Jersey, 08060  
USA  
Telephone: (609) 267-9118  
Fax: (609) 267-9336  
E-mail: [epicore@gbsias.com](mailto:epicore@gbsias.com)  
Web Site: [www.EpicoreBioNet.com](http://www.EpicoreBioNet.com)

#### **Latin American Operations:**

Epicore Ecuador S.A.  
9 de Octubre 2305 y Tungurahua  
Primer Piso – Dept. 1  
Guayaquil - Ecuador  
Phone: 5934-2582992  
Fax: 5934-2374167  
E-mail: [lvaepi@telconet.net](mailto:lvaepi@telconet.net)

#### **La Libertad Office:**

Epicore Ecuador S.A.  
Calle Diez y Av.  
Quinta (Frente Colegio Celleri)  
La Libertad - Ecuador  
Telefax: 5934-785296  
Celular: 5939-9103123  
Phone: 5934-2785106  
E-mail: [lvaepi@telconet.net](mailto:lvaepi@telconet.net)

### **IMPORTANT NOTICE TO PURCHASER:**

“Epicore BioNetworks Inc. (“Epicore”) warrants that the product conforms to its compositional description and is reasonably fit for the purpose stated on the label when used in accordance with the label instructions under normal conditions of use. There are no other express or implied warranties, whether as to merchantability, fitness for any use, or otherwise, given in respect of the product. Neither Epicore nor its agents shall be liable for any damage, loss, or injury, whether the same arises directly or consequentially, by reason of any matter whatsoever relating to the use of the product, and any buyer’s or user’s exclusive remedy in any instance shall be limited to a refund of the purchase price paid.”

EPIFEED, EPICIN and EPIZYM are registered trademarks of Epicore BioNetworks Inc.

7/02

©2002 Epicore BioNetworks Inc.