

# **EPIZYM®<sup>金</sup>-DT LIQUID**

## **Drain and Grease Trap Cleaner**

### **PRODUCT DESCRIPTION:**

EPIZYM-DT LIQUID cleaner is a natural microbial ecosystem, fortified with added enzymes and stabilizers. It is highly effective at cleaning and deodorizing drain and grease traps, urinals and other plumbing systems. EPIZYM-DT LIQUID biologically degrades grease, fats and other food waste without the use of harsh or hazardous chemicals.

The microbes in EPIZYM-DT LIQUID derive from natural sources and are produced under high quality control conditions to prevent contamination by hazardous microorganisms. The microbes in EPIZYM-DT LIQUID are grown to as high a concentration as possible to provide the user with as effective a product as possible. EPIZYM-DT LIQUID is formulated with all natural, non-pathogenic microorganisms that are harmless to humans, plants and pets. EPIZYM-DT LIQUID is not formulated with potentially hazardous *Pseudomonas* bacteria, as are some competitive products. While the EPIZYM-DT LIQUID organisms are microscopic, they - along with the enzymes they secrete - are powerful, living "engines" that love to consume waste.

### **BENEFITS IN PLUMBING SYSTEMS:**

- \* Digests waste and build-up in plumbing systems restoring normal capacity and flow.
- \* Eliminates matting and radial grease.
- \* When used regularly, maintains free-flowing plumbing operation.
- \* Eliminates sources of foul smelling odors.
- \* Extends the time between manual cleanings reducing maintenance costs.
- \* Reduces the attraction of insects.
- \* Improves the operation of septic tanks and sewage plants.
- \* Unlike solvent and caustic or acid cleaners, not corrosive to metal, ceramic or plastic.
- \* Biodegradable.
- \* Easy to use liquid.
- \* Contains more microorganisms than competitive products to offer users the most economical treatment possible.

## **IN SUMMARY**

**EPIZYM-DT LIQUID Makes Short Work of a Difficult  
Cleaning Task !!**

## **TREATMENT SUGGESTIONS:**

### **(1.1) Factors Affecting Treatment Rate and Frequency:**

System size and type, waste type and quantity, and wastewater flow and temperature are the key factors affecting EPIZYM-DT LIQUID treatment rate, frequency and timing. With experience, users will be able to determine the optimum treatment rates for their particular situation. The following treatment suggestions are offered as a starting point.

### **(1.2) Preventative Versus Remedial Treatment:**

Regardless of the treatment regime selected, a preventative program is strongly recommended over a remedial one. By applying EPIZYM-DT LIQUID before serious problems develop, a normally operating, odor-free system will be maintained. EPIZYM-DT LIQUID is suitable for automated metering systems that externally mix product with dilution water.

### **(1.3) Initial Purge Treatment:**

For established systems that have an accumulated waste problem an initial purge is recommended to breakdown heavy waste and initiate biological cleaning action. The initial purge step utilizes a higher than normal dose of EPIZYM-DT LIQUID. For the initial purge simply pour EPIZYM-DT LIQUID into the system. A following rinse may be used, if desired. For large grease trap systems, it often is useful to pre-dilute the EPIZYM-DT LIQUID in water to improve distribution. Reduction of waste and odors indicates a successful purge. When insufficient product is applied, cleaning may be retarded due to insufficient biological action. If this occurs, apply a second purge treatment in 24 hours. The EPIZYM-DT LIQUID purge treatment rate depends on system type. Starting suggestions are indicated in section (1.6) below.

### **(1.4) Exceptionally Heavy Amounts of Fat and Grease:**

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.

### **(1.5) Maintenance Treatment:**

After the initial purge to rid the system of accumulated waste, regular maintenance treatments should be made. Maintenance doses of EPIZYM-DT LIQUID should be applied, as a one-to-ten warm water mixture, several times a week. Maintenance treatments are best made during periods of low water usage (for example, at night for most systems). Treatment frequency depends on system type and loading. Starting suggestions are indicated below:

### **(1.6) EPIZYM-DT LIQUID Treatment Rate Starting Suggestions:**

<b>Purge</b>	<b>Maintenance</b>	<b>Maintenance</b>
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<b>System</b>	<b>Treatment Rate (ml)</b>	<b>Rate per Treatment (ml)</b>	<b>Treatments (Number/Week)</b>
Small (<50 liter) Grease Traps	200	50	1 - 2
Medium (50-150 liter) Traps	300	50	2 - 3
Large (>150 liter) Traps	170 ml/100 liters	25 ml/100 liters	3 - 4
Urinals	120	50	1 - 2
Floor Drains	120	50	1 - 2
Pot Sink	240	50	1 - 2
Horizontal Line	120	50	1 - 2
Stack Vent	120	50	1 - 2
Janitorial Drain	120	50	2 - 3
Lift Station	120	50	3 - 5

### **(1.7) Complex Plumbing Systems**

Start EPIZYM-DT LIQUID 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.

### **(1.8) Incompatibilities:**

Harsh chemicals may harm the microorganisms and enzymes in EPIZYM-DT LIQUID. Use of acid, vinegar, caustic soda, bleach and concentrated detergents in conjunction with EPIZYM-DT LIQUID should be avoided. Also, hot frying fats and continuous hot (>50°C) water exposure will destroy biological action.

**INGREDIENTS:** EPIZYM-DT LIQUID contains non-toxic, natural microbial cultures and enzymes with added stabilizers and growth stimulants in an inert aqueous glycol carrier.

### **PRODUCT DATA:**

pH (concentrate)	6.8 - 7.3
Specific Gravity, 20°C	1.04
Color	Colorless, translucent
Odor	Sweet, mild soapy
Flash Point	N/A

**PACKAGING:** 190 liters net weight in plastic drums and in cases of ten one-liter plastic bottles.

**PRODUCT STORAGE:** Biological products are unlike inert chemical products. They are alive so require special treatment during storage and handling. Therefore, for EPIZYM-DT LIQUID,

- \* Do not store continuously at temperatures above 40°C (104°F).
- \* Store out of direct sunlight in a well-ventilated area.
- \* Store above freezing conditions.
- \* Do not let diluted product stand more than 4 hours before use.

**SAFETY:** All Epicore products are essentially non-toxic. However, the user is advised to consult Material Safety Data Sheets for further information and guidance.

**KEEP OUT OF REACH OF CHILDREN**

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**IMPORTANT NOTICE TO PURCHASER:**

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