

# ***EPIZYM*<sup>®</sup>-ST**

## **Septic & RV Tank Treatment**

### **PRODUCT DESCRIPTION**

EPIZYM-ST septic and RV (recreational vehicle) treatment is a natural microbial ecosystem, fortified with added stabilizers and microbial growth stimulants. It is a concentrated biological preparation, which is highly effective at biodegrading sanitary waste. EPIZYM-ST contains specially selected natural microorganisms that work biologically without the use of harsh or hazardous chemicals.

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

### **EPIZYM-ST ADDRESSES THESE COMMON SEPTIC TANK PROBLEMS**

- Sewage odors
- Poor separation of solids and wastewater
- Excess sludge
- Reduced capacity
- Blockage of wastewater discharge drains
- Sewer backups
- Poor drainage and percolation of wastewater in soil absorption systems

### **SOURCE OF PROBLEMS**

- Build-up of cooking oils and grease
- Build-up of paper and cotton products
- Loss of biological activity to degrade oil, grease and other solid waste
- Incomplete liquefaction of solids and elimination of “matting”
- Non-biodegradable plastic

## **PERFORMANCE OF EPIZYM-ST**

- Breaks down, liquefies and biodegrades sanitary waste in septic tanks, latrines and RV holding tanks.
- Restores and maintains biological cleansing activity in septic tanks, cesspools and drain fields affected by excess use of strong caustics, detergents, bleaches and toxic chemicals.
- Tolerates dilute amounts of detergents and other household cleaning and sanitation compounds.
- Keeps septic tanks, cesspools and drain fields operating efficiently.
- Digests domestic waste clogging cesspools, collectors, distribution boxes and drain fields.
- Conditions the wastewater so it may be disposed safely in properly designed wastewater drain fields and soil absorption systems.
- Attacks the source of foul smelling odors to deodorize the waste.
- Reduces the potential for sewage back-ups that may cause health hazards and noxious odors.

## **BENEFITS OF REGULAR MAINTENANCE**

- Proper biological activity in septic tanks, on-site wastewater treatment plants, and drain fields.
- Longer times between tank cleanings.
- Reduction in noxious odors and health hazards.
- Reduced potential for environmental pollution.

## **FACTORS AFFECTING PERFORMANCE**

- Extended periods of non-use
- Overuse of the sewage system
- Inadequate design capacity
- Concentrated toxic and hazardous wastes
- Plastic and other non-biodegradable wastes

## **QUESTIONS TO CONSIDER**

- Size of septic or RV wastewater tank?
- Is the system used regularly or seasonally?
- When was the tank last emptied or cleaned?
- Have there been special problems like sewer back-ups, poor drainage, persistent odors?

## **APPLICATION SUGGESTIONS**

### **INITIAL PURGE TREATMENT**

The following schedule is considered appropriate for a septic tank or RV wastewater holding tank which has been recently emptied and contains only small amounts of grease and solids. An initial purge treatment is necessary to establish a competitive population of EPIZYM microorganisms.

- Use 50 gm (2 ounces) of EPIZYM-ST per 400 liter (approx. 100 gallons) septic tank or RV holding tank capacity.
- A successful initial treatment is recognized by a significant reduction in odor and the start of liquefaction of the solid waste.

- If insufficient EPIZYM-ST is applied and biological activity delayed, apply a second treatment within 72 hours.

## **REGULAR MAINTENANCE**

- A regular maintenance treatment will help ensure ongoing biodegradation of waste.
- Apply 50 gm (2 ounces) EPIZYM-ST once or twice per month per 2000-liter (approx. 500 gallons) septic tank capacity.
- Use EPIZYM-ST more frequently if cleaning compounds harmful to bacteria are used in household, commercial or institutional cleaning and sanitation.
- Observe system performance and determine if the amount of EPIZYM-ST or frequency of application should be changed.
- Clean septic tank as required.

## **PACKAGING**

EPIZYM-ST is supplied in 40 kilogram (88 pound), net weight polyethylene lined fiber drums.

## **PRODUCT STORAGE**

Biological products are unlike inert chemical products. They require special treatment during storage and handling,

- \* 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**

EPIZYM-ST utilizes natural microorganisms, which are harmless to humans, plants and animals. All Epicore biological products are non-toxic. They contain no toxic or hazardous chemicals, acids, caustics or solvents. They are not corrosive to metal, ceramic and plastic. Users are advised to consult the Material Safety Data Sheet for further information and guidance.

**Keep out of reach of children.**

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

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## **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.”

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