



Epicore BioNetworks Inc.

## **DEOBAC<sup>®</sup>** **Municipal Deodorizer**

### **PRODUCT DESCRIPTION**

DEOBAC municipal deodorizer is a highly concentrated microbial ecosystem containing specialized natural microorganisms selected for maximum efficiency in the biodegradation of odor forming organic wastes. It is highly effective at cleaning and deodorizing drain and grease traps, urinals and other plumbing systems. DEOBAC biologically degrades grease, fats, soaps and other food waste in an ecologically safe manner without the use of harsh or hazardous chemicals.

### **ODORS IN MUNICIPAL FACILITIES**

Aqueous wastes that enter collection systems contain a large variety of organic compounds, some of which may either have obnoxious odors or are capable of combining or degrading to produce odors. Obnoxious odors are more than a nuisance. They affect employee morale and productivity. Scientific studies show that strong odors even can adversely affect people's health! Odors absorb into clothing and can be difficult to remove. They can bring on community complaints and give the utility a bad name. A common approach used to combat odor is odor masking agents, which offer temporary relief but do not eliminate the root cause. As soon as the masking agent drifts away, the odor comes back. A better approach is to eliminate the odor at its source.

### **THE BIOTECHNOLOGY SOLUTION**

Microorganisms, nature's own method of digesting organic waste, are an environmentally sound way to eliminate odors at the source. Microbes, like the ones in DEOBAC Biological Deodorizer, digest organic materials that cause odor. The free enzymes in DEOBAC and the ones secreted by the DEOBAC microbes act as catalysts to chemically alter the odor producing materials.

### **PRODUCT DESCRIPTION**

DEOBAC is a highly concentrated, liquid microbial ecosystem containing specialized natural microorganisms and fortified with free enzymes. It contains a surfactant that improves wetting of odor causing material to improve microbial activity. DEOBAC is formulated for maximum efficiency in the biodegradation of organic odor causing contaminants found in municipal situations.

### **BENEFITS**

- Deodorizes and neutralizes odors at the source.
- Reduces the attraction of insects.
- Not corrosive or hazardous to handle liquid.
- Environmentally friendly approach; does not harm plant or animal life.
- Easy to handle liquid.
- Contains more microorganisms than most competitive products to provide the most economical treatment possible

## Epicore BioNetworks Inc.

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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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## TREATMENT SUGGESTIONS

- Regardless of the treatment regime selected, a preventative program is strongly recommended over a remedial one. By applying DEOBAC before serious problems develop, a normally operating, odor-free system will be maintained.
- DEOBAC is suitable for automated metering systems that externally mix product with dilution water. DEOBAC may be pre-diluted for use but DEOBAC dilutions in water have limited stability of about one week so should be used within this time frame.
- For established accumulations of odor causing waste, an initial purge is recommended to break-down heavy waste and initiate biological cleaning action. The initial purge step utilizes a higher than normal dose of DEOBAC. For the initial purge, simply pour DEOBAC into the system. A following rinse may be used, if desired. For large systems, it often is useful to pre-dilute the DEOBAC 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 DEOBAC purge treatment rate depends on system type. A typical rate is 100 ml per 100 liters of system water. Use 50% more for heavy organic loads and 25% less for light loads.
- After the initial purge, regular maintenance treatments should be made, as needed. Maintenance doses typically are 20% of the initial purge amount. Treatment frequency depends on application type and loading but typically is 1-2 times per week.
- 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).
- Harsh chemicals may harm the microbes and enzymes in DEOBAC. Use of concentrated acid, vinegar, caustic soda, bleach or disinfectants in conjunction with DEOBAC should be avoided.

## PRODUCT STORAGE

- Do not store continuously at temperatures above 40°C.
- Do not freeze.
- Store out of direct sunlight in a well-ventilated area.

**SHELF LIFE:** two years if stored as recommended.

## PACKAGING

Supplied in cases of ten quart plastic bottles that contain 2.25 pounds net weight each.