

## BIOTREAT P

**Product Code :** Q00059

**Product Group:** SANITATION PRODUCTS

**Packaging:** 12 KG

### PRODUCT DESCRIPTION

BIOTREAT P is a concentrated, synergistic blend of specialized bacteria strains scientifically developed to promote the rapid breakdown and digestion of various forms of black and grey water waste, including detergents, greases, fats, oils, paper, and other organic materials commonly found in marine sanitation devices. BIOTREAT P helps to maintain marine sanitation devices, holding tanks, and sanitary systems operating at peak efficiency.

Marine waste treatment systems may receive shock loads of laundry detergents, harsh cleaning agents, paper, fats, oils, and greases. These heavy doses upset the delicate environment of the naturally-occurring bacteria in these systems and can overwhelm the bacteria. When this occurs, the waste treatment process is slowed or stopped. The loss of biological activity is often characterized by foul odors, which may be emitted from toilets and drains.

When used regularly, BIOTREAT P will continually promote the presence of powerful waste-degrading bacteria, ensuring the waste treatment system is biologically active. BIOTREAT P reduces the buildup of sludge and deposits in holding tanks, vacuum tanks and equipment, and assists in keeping the waste treatment system running efficiently.

### APPLICATION & DOSAGE

#### Tank Treatment

On a typical vessel with a crew of up to 30 people, optimum tank conditions may be maintained by dosing one (1) premeasured water-soluble packet every two weeks. For cruise ships and ferries, use one (1) premeasured water-soluble packet weekly per marine sanitation device. Place the packet in the toilet nearest the sewage treatment unit or holding tank. Allow the solution to stand for a few minutes to dissolve the water-soluble packet, then flush the toilet.

Upon entering the sewage treatment unit or holding tank, the bacteria will begin to produce the enzymes necessary to digest the waste.

To reactivate an inactive waste treatment system, BIOTREAT P waste treatment enhancer may be added directly to the tank or via the nearest toilet. Add 2-4 packets of BIOTREAT P to 4-8 liters of warm water (25° C - 35° C). Allow the solution to stand a few minutes to dissolve the water-soluble packet. Then add the solution to the tank.

### BENEFITS

- **Removes and prevents sludge in sewage treatment System**
- **Helps maintain optimum operating efficiency**
- **Reactivates biological activity**
- **Reduces need for costly manual or hazardous chemical cleaning**
- **Optimizes degradation of virtually all waste commonly found in shipboard sanitation systems**
- **Prevents odors associated with overloaded systems**



### **Tank Cleaning**

BIOTREAT P may be used to periodically clean the waste treatment system, holding tank, vacuum tank, and associated equipment. Prior to cleaning, tanks and equipment should be flushed with water (filled to capacity and emptied). To provide low volume circulation, tanks without an air supply must be fitted with an air manifold connected to a low-pressure air line. The air line must provide sufficient volume to gently agitate the volume of cleaning solution. Fill the tank 75 percent full with fresh or salt water and turn on the air supply. Add 10 packets of BIOTREAT P waste treatment enhancer to approximately 20 liters of warm water (25 °C- 35 °C). Allow the solution to dissolve the water-soluble packets, stirring gently every 5 minutes. After 10-15 minutes, add the solution to the tank directly or via the nearest toilet. Add an additional 1 packet for every 500 liters of tank capacity over 500 liters in the same manner. BIOTREAT P waste treatment enhancer should be dissolved at a ratio of 1 packet to 2 liters of either fresh or salt water. Allow the tank to circulate gently for 48 hours. Optimum cleaning performance is attained at warm water temperatures (10 °C-35 °C).

Add 2-4 packets of BIOTREAT P waste treatment enhancer to 4-8 liters of warm water (25 °C-35 °C). Allow the solution to stand a few minutes to dissolve the water-soluble packet. Then add the solution to the tank.

### **Line Cleaning**

Organic waste deposits may be removed from piping by adding 0.5 liters of BIOTREAT P waste treatment enhancer solution to slow-running drains each night until the drains run freely. An alternate method is to isolate and fill the section to be cleaned with a solution of BIOTREAT P waste treatment enhancer and water and allow it to stand 24-48 hours before draining. Additional applications may be necessary. BIOTREAT P waste treatment enhancer should be dissolved at a ratio of 1 packet to 2 liters of warm water (25 °C-35 °C). Prior to dosing, allow the solution to stand for 10-15 minutes to dissolve the water-soluble packet.

### **HEALTH SAFETY**

Please refer to the Material Safety Data Sheet and Product Label for specific information.

### **LIMITATION OF LIABILITY**

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