

## Enviro Science Technologies

### SPECIFIC ENZYME BACTERIAL SYSTEM PRODUCT DESCRIPTIONS

#### **SEPTIC SYSTEMS TREATMENT (Item No. S-501)**

SEBS incorporates specific technology to solve numerous industrial, commercial, residential, and institutional problems, which result from organic waste. EST's SEBS digest more organic solid waste, including complete degradation of difficult organic compounds, than any other system currently on the market today.

**Advantages:** Reduces ammonia and BOD/TSS, digests and liquefies waste, non-toxic, non-corrosive, non-polluting, and reduces and removes hydrogen sulfide, sulfur dioxide, nitrate, nitrite, and phosphate.

**Applications:** Instant odor control and elimination and reduces solids by more than 80%.

#### **MUNICIPAL WASTE PROCESSING PLANT AND SEWAGE PLANT (Item No. S-502)**

For use in degrading organic waste in higher flow applications, such as lift stations, sewage plants, and wet wells.

**Advantages:** Reduces ammonia and BOD/TSS, digests and liquefies waste, non-toxic, non-corrosive, non-polluting, and reduces and removes hydrogen sulfide, sulfur dioxide, nitrate, nitrite, and phosphate.

**Applications:** Instant odor control and elimination and reduces solids by more than 80%.

#### **CHEMICAL TOILET TREATMENT (Item No. S-503)**

These unique selected biocultures are used in self-contained toilets found in recreational vehicles, marine toilets, boats, buses, airplanes, and all other portable toilets or urinal systems.

**Advantages:** Reduces ammonia and BOD/TSS, digests and liquefies waste, non-toxic, non-corrosive, nonpolluting, and reduces and removes hydrogen sulfide, sulfur dioxide, nitrate, nitrite, and phosphate.

**Applications:** Instant odor control and elimination and reduces solids by more than 80%.

#### **LAGOON AND WASTE WATER TREATMENT (Item No. S-504)**

This is a treatment for animal fats and oil, which is generally triglycerides, esters composed of glycerol, fatty acids, and poultry fats from meat processing plants.

**Advantages:** This SEBS product contains a biologically enhanced synergized blend of *bacillus* and *pseudomonas* multi-strain organisms, which have been selectively adapted to accelerate degradation capabilities of waste compounds found in ponds and lagoons. It removes, reduces, and digests animal fats and waste, malodors, and triglycerides. In addition, lipases hydrolyze fats and oils into their more water-soluble components.

**Applications:** Ponds and lagoons containing animal and poultry fats, i.e., fats floating on top of the water or heavy deposits on the bottom.

## SPECIFIC ENZYME BACTERIAL SYSTEM PRODUCT DESCRIPTIONS CONTINUED

### **RV AND BOAT PORTABLE TOILETS (Item No. S-505)**

These unique selected biocultures are used in self-contained toilets found in recreational vehicles, marine toilets, boats, buses, airplanes, and all other portable toilets or urinal systems.

**Advantages:** Waste stays safe enough to discharge into sewage or storm drain after treatment.

**Applications:** Instant odor control and elimination and reduces solids by more than 80%.

### **HOG AND CATTLE FEED LOTS (Item No. S-506)**

This is a treatment for animal fats and oil, which is generally triglycerides, esters composed of glycerol, fatty acids, and poultry fats from meat processing plants.

**Advantages:** This SEBS product contains a biologically enhanced synergized blend of *bacillus* and *pseudomonas* multi-strain organisms, which have been selectively adapted to accelerate degradation capabilities of waste compounds found in ponds and lagoons. It removes, reduces, and digests animal fats and waste, malodors, and triglycerides. In addition, lipases hydrolyze fats and oils into their more water-soluble components.

**Applications:** Ponds and lagoons containing animal and poultry fats, i.e., fats floating on top of the water or heavy deposits on the bottom.

### **DRAIN AND GREASE TRAP MAINTENANCE (Item No. S-507)**

Designed for use in degrading organic waste, such as fats, oils, and greases found in typical grease trap applications.

**Advantages:** Keeps grease from becoming solid and keeps drainpipes clear. It reduces the frequency of cleaning the grease trap.

**Applications:** Can be applied by an automatic pumping device or manual application.

### **MANURE PIT LIQUEFACTION; ORGANIC COMPOST TREATMENT (Item No. S-508)**

**Advantages:** Contains facultative anaerobes, enhanced COD/BOD removal, eliminates malodors at their source, changes biomass dynamics, reduces sludge build-up, and degrades and digests high concentrations of waste. It also eliminates the need for harsh, corrosive chemicals.

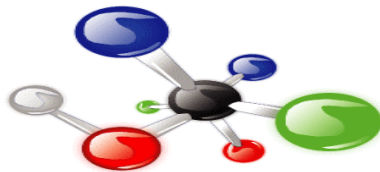
**Degrades:** Animal fats/waste, protein, ammonia, malodors, triglycerides, and hydrogen sulfide.

**Applications:** For activated sludge systems, sewers, holding tanks, waste water plants, collection systems, manure pits, oxidation ditches, aerated lagoons, and facultative lagoons.

### **SEBS FOR ALGAE CONTROL (Item No. S-509)**

This high potency bacteria is used in controlling algae through the competition of available nutrients in water.

This contains a specially formulated proprietary blend of microorganisms and surface tension suppressants to clear out algae fast and effectively.



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### SPECIFIC ENZYME BACTERIAL SYSTEM PRODUCT DESCRIPTIONS CONTINUED

**Advantages:** Reduces odor, increases settle ability, safe for the environment, and restores water quality. It does not produce hydrogen sulfide, contains no chemicals, and removes available nutrients from water, starving algae growth.

**Applications:** Facultative lagoons, sewers holding tanks, aerated lagoons, lakes, ponds, basins fountains, golf courses, and oxidation ditches.

#### **FOOD PROCESSING AND INDUSTRIAL MANUFACTURING PLANTS (Item No. S-510)**

This multi-strain culture is designed for the restaurant industry. It is safe, natural, and has capabilities of degrading organic matter and metabolizing starches, cellulose, and lipids, including cooking oil, into composite, safe carbon dioxide, and water.

**Advantages:** Once the compost is digested, it can be used as fertilizer. This saves landfill space, malodor, and insect problems.

**Applications:** Can be applied with a manual or an automatic spray system.

#### **FISH HATCHERIES, COMMERCIAL FISH FARMS, AND ORNAMENTALS (Item No. S-511)**

These special biocultures are customized with a safe and selective group of strains. When used with beneficial bacteria, the strains have been proven superior in preventing the spread of pathogenic bacteria populations, while degrading organic pond waste. This SEBS metabolizes starches, cellulose, and lipids by controlling pathogenic bacteria populations, while enhancing the effective clean-up of pollutants.

**Advantages:** Cleaner water will produce healthy and large shrimp, and efficiently convert uneaten food and organic waste into safe carbon dioxide, nitrate, and water. It reduces solid waste build-up, minimizes pond preparation time in ensuing culture cycles, suppresses pathogenic bacteria populations, and boosts both beneficial indigenous and inoculated bacteria populations.

**Applications:** Can be applied with a manual or an automatic spray system.

#### **HYDROCARBONS AND PETROLEUM BASED OIL AND GREASE (Item No. S-512)**

This multiple bioculture blend is designed to break down hydrocarbons and petroleum based oil and grease. It is used in car wash pits, waste holding tanks, oil spills in ponds or lakes, and drain or holding tanks containing petroleum hydrocarbon grease or oil.

**Advantages:** Breaks down hydrocarbons, reduces sulfur odor, digests waste, breaks down fatty acids, and makes water safe for discharge.

**Applications:** Can be applied manually or by an automatic pumping device.