



*“Solving Environmental Problems With Natural Products”*

## **Product Data**

### **HISTOSOL OP-Bio5**

#### **DESCRIPTION:**

Histosol OP-Bio5 is a ready-to-use liquid bacterial formulation specifically designed to provide improved waste degradation and control odors for residential, municipal, and light industrial wastewater applications with moderate Biological Oxygen Demand in the range 1,000 to 2,500 PPM.

Histosol OP-Bio5 contains a synergistic blend of new Bacterial strains which have been scientifically developed (selectively adapted) to cope with difficult compounds and chemicals present in wastewater effluent. Unlike any other bio-formulation, Histosol OP-Bio5 contains bacterial strains which actually digest difficult and non-biodegradable compounds such as detergents, paper, oil, grease, hydrocarbons, phenols, etc.. Histosol OP-9840 is the carrier for this microbial blend, providing immediate odor control as well as stimulating microbial growth and performance.

Histosol OP-Bio5 bio-formulation provides exceptional results when utilized to accomplish reseeded of wastewater and septic systems where chemical kills have occurred and for the continued maintenance of bio-systems to insure optimum performance.

Histosol OP-Bio5 formulation significantly improves the performance of septic tanks, lagoons, activated sludge, trickling filter and waste holding basins. This product will also dramatically reduce odors emitted by wastewater treatment systems.

#### **FEATURES AND BENEFITS:**

- Digests difficult compounds which are toxic to naturally occurring bacteria or existing sewage bacteria.
- Control of hydrogen sulfide, mercaptans, amines, and ammonia odors.
- Provides rapid breakdown of difficult detergents, fats, oils, tissue, hydrocarbons, etc.
- Cultures grow in either the presence or absence of oxygen.

- Long-term stability (1-2 years).
- Non corrosive, non-pathogenic; safe to handle and store.
- Can be used as supplied.
- Each batch is tested and standardized for a high level of quality.
- Certified salmonella-free.

## **Histosol OP-Bio5**

### **Typical Characteristics**

<b>Biological</b>	<b>Physical</b>
Bacterial strains	Appearance.....dark brown
• Protein digesting bacteria	Odor.....musty fragrance
• Starch digesting bacteria	Specific gravity .....1.04
• Cellulose digesting bacteria	pH..... Neutral
• Detergent digesting bacteria	Effective pH range.....5.0 – 9.8
• Fat, grease and oil digesting bacteria	Effective temp. range...40 - 145 F
	Standard packaging..... 5-250 gallon
container	
Bacterial Count    200 billion/gal.	Shelf life.....1-2 years

### **Optimum Conditions for Use**

Bacteria in OP-Bio5 perform within a pH range of 5.0 – 9.8 with the optimum near pH 7.0. Temperature affects the activity of the working solution and action increases with rising temperatures up to 145 F. No activity can be expected below 40 F. (5 C.)

### **Storage and Handling**

Storage.....store in a cool, dry place  
 Handling.....avoid excessive inhalation  
 Wash hands with warm, soapy water after handling

### **Recommended Dosage Schedule**

<b>Area</b>	<b>Dosage</b>	<b>Frequency</b>
Waste Lagoons	50 PPM	Initial Application
	5-30 PPM	Daily

For problem systems, double the recommended feed rate for the first two weeks.

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