



## **Product Data**

### **Bio 10V**

#### **DESCRIPTION:**

Bio 10V is a ready-to-use liquid bacterial formulation specifically designed to provide improved waste degradation and control odors for residential, municipal, and heavy industrial wastewater applications with high Biological Oxygen Demand in the range 3,500 to 10,000 PPM.

Bio 10V contains a synergistic blend of Bacterial strains which have been scientifically developed (selectively adapted) to cope with difficult compounds and chemicals present in wastewater effluent and produced water flows. Unlike any other bio-formulation, Bio 10V contains bacterial strains which actually digest difficult and non-biodegradable compounds such as detergents, paper, oil, grease, hydrocarbons, phenols, etc. OP-9840 is the carrier for this microbial blend, providing immediate odor control as well as stimulating microbial growth and performance.

Bio 10V 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.

Bio 10V 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.
- Significant reductions of BETX.
- Each batch is tested and standardized for a high level of quality.
- Certified salmonella-free.

### **Bio 10V**

### Typical Characteristics

| Biological                               | Physical                                       |
|--|--|
| 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..... 5-275 gallon container |
|  | Shelf life.....1-2 years                       |

### Optimum Conditions for Use

Bacteria in Bio 10V 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

| Area          | Dosage                 | Frequency                    |
|---------------|------------------------|------------------------------|
| Waste Lagoons | 50-100 PPM<br>5-30 PPM | Initial Application<br>Daily |

(Call 1-888-314-8181 for technical assistance for specific application)

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

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**US Patent #: 6,656,723 B1**