

# Free Flow<sup>TM</sup>

**SEPTIC** An Environmentally Friendly Dry Biological Septic And Waste Degradar

## PRODUCT DATA SHEET

*FREE FLOW SEPTIC* is a ready to use dry bacterial formula designed for accelerated organic waste degradation for residential and commercial wastewater applications.

*FREE FLOW SEPTIC* is a synergistic blend of highly specialized and selectively adapted spores and vegetative microorganisms, designed specifically to provide accelerated degradation of difficult to degrade organic compounds. The microorganisms in *FREE FLOW SEPTIC* were selected based on each strains superior enzymatic activity against specific substrates such as fats, oils, grease, protein, starch and carbohydrates, and the synergistic value of the final culture consortium as demonstrated in enhanced cell growth, germination rate and effectiveness over a wide range of organic sub-strates. This consortium of microorganisms also exhibits exceptional organic degradation performance in both aerobic and anaerobic environments.

*FREE FLOW SEPTIC* also uses nutrients and micro-nutrients that stimulate the germination and outgrowth of the synergistic microbial consortium.

### APPLICATIONS

*FREE FLOW SEPTIC* is designed to improve the biological degradation rate for the following:

- Septic system.
- Boats and RV s
- Commercial wastewater facility
- On site residential wastewater system
- Lagoons
- Sewage pits.

### BENEFITS

- Helps keep septic system trouble free.
- Improves system s biological stability
- Provides rapid system recovery and helps eliminate shock kills.
- Eliminates odors due to organic buildup.
- Reduces frequency of pumping.
- Degrades tissue, detergents, fats, oils and grease.
- Reduces organic loading to septic drainfield.



**PERFORMANCE BENEFITS**

- Grease biodegradation outperforms other competitive formulations in laboratory and field studies.
- Superior germination and outgrowth results in increased bacterial activity in a variety of organic waste application.
- Accelerated enzymatic degradation allows the microbial consortium to work faster and more effectively.
- Enhanced aerobic and anaerobic performance, designed for applications subject to aerobic and anaerobic environments.
- General organic waste degrader.

**PRODUCT CHARACTERISTICS**

Bacteria Count 3 Billion cfu/gm  
 Bacteria Type Blend of Bacillus Spores and Vegetative Microorganisms  
 Salmonella/Shigella Negative  
 Appearance Tan Color Powder  
 Stability 1 year at 35<sup>o</sup> - 95<sup>o</sup>F (2<sup>o</sup> - 35<sup>o</sup>)

**PERFORMANCE CHARACTERISTICS**

High Enzyme Production Lipase/Protease  
 Amylase/Cellulase

Bacterial Pathways Aerobic & Facultative  
 Anaerobic

pH Range 5.0 9.8

Temperature range 38<sup>o</sup> - 145<sup>o</sup>F (3<sup>o</sup> - 63<sup>o</sup>C)

**Storage and Handling**

Store in cool, dry place. Avoid inhalation. Wash hands thoroughly with warm, soapy water after contact. Avoid eye contact.

**Available Packaging**

- 25 pound pail
- 50 pound drum

<b>RECOMMENDED APPLICATION FEED RATE</b>		
<b>AREA</b>	<b>DOSAGE</b>	<b>FREQUENCY</b>
Septic Tanks	4 oz per 1,000 Gallon Tank	Once a month
Boats and RV s	2 oz per 500 Gallon Tank	2 oz every pump-out or once a month
Drain Fields and Cesspools	6 oz	Twice weekly
Lagoons	1lb/MGD	Daily

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