BI-CHEM® PORTA-TREAT CONCENTRATE
Odor Controller and Organic Waste Degrader

Environmentally Friendly Odor Controller

BI-CHEM PORTA-TREAT CONCENTRATE is a multiple spore blend formulation specifically designed for use in portable toilets, RV's and marine holding tanks to accelerate the biodegradation of organic waste while reducing odor. This formulation is designed as an odor controller and offers a safe, natural replacement for formaldehyde and quaternary compounds.

PORTA-TREAT CONCENTRATE is a fully formulated concentrate that incorporates a novel blend of biodegradable surfactants (that are friendly to the spore blend), perfume and coloring along with the innovative multiple spore blend.

The microorganisms in PORTA-TREAT CONCENTRATE were selected based on each strain's superior enzymatic activity against specific substrates such as protein, starch, carbohydrates, fats and grease. The combined synergistic value of the final culture consortium results in enhanced cell germination rate, outgrowth and effectiveness over a wide range of substrates.

This consortium of microorganisms also exhibits exceptional organic degradation performance in both aerobic and anaerobic environments.

Applications

PORTA-TREAT CONCENTRATE is a bacterial formulation designed to provide exceptional performance for the following applications:

- Odor Control
- Portable Toilet Treatment
- RV Treatment
- Marine Holding Tank Treatment
Performance Benefits

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

Product Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Bacteria Count</td>
<td>$8.1 \times 10^7$ cfu/ml (300 bil/gal)</td>
</tr>
<tr>
<td>Bacteria Type</td>
<td>Blend of Bacillus Spores</td>
</tr>
<tr>
<td>Salmonella/Shigella</td>
<td>Not detected</td>
</tr>
<tr>
<td>Appearance</td>
<td>Blue</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Cherry</td>
</tr>
<tr>
<td>Stability</td>
<td>2 years + at 35° - 95°F (2° - 35°C)</td>
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</tbody>
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Performance Characteristics

- High Enzyme Production
  - Lipase/Protease
  - Amylase/Cellulase
- Bacterial Pathways
  - Aerobic & Facultative Anaerobic
- pH Range: 5.0 - 9.8
- Temperature range: 38° - 145°F (3° - 63°C)

Formulation Recommendation

Dilute one part product to two parts water.

Storage and Handling

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

Available Packaging

- 5 gallon pail
- 55 gallon drum

**RECOMMENDED APPLICATION FEED RATE**

Add four to six ounces of product to every five gallons of water in portable toilets, RV’s or marine holding tanks.