



# EnBio™

## Bacterial Treatment Medium

EnBio is a bacteria and enzyme medium used for oils, organics digestion in vehicle wash and recycle systems

**EnBio™** bacterial blend is able to degrade a wide variety of petroleum-based oils and greases, reducing odors and sludge within vehicle-wash-water treatment tanks, storage tanks, equipment, trenches and peripheral systems where contaminated water is present and comes into contact with a facility.

This product contains a unique blend of spore forming bacillus strains that speeds up the digestion of petroleum, sludge, solids and saves money by reducing costly pump outs. Also reduces or removes the need for odor reduction systems and/or chemicals such as chlorine or other oxidants that can corrode piping, pumps, valves, tanks and other equipment.

**Purpose & function:** Bacterial digestion is the process of bacteria consuming organic matter. Enzymes act to break the organic matter into water soluble nutrients, which the bacteria then digest. Using complex, natural chemical reactions, the bacteria metabolize the organic waste down to water and carbon dioxide (the final metabolic waste products), providing the bacteria with energy for growth and reproduction. Organic waste is consumed by the bacteria, used as nutrients by the bacteria and is no longer present to produce odors, sludge, pollution, or biological growth.

### Use in:

- ◆ Oil water separators ◆ Car and truck wash treatment /recycling systems ◆ Marine bilges ◆ Petroleum contaminated wastewater
- ◆ Recycled washwater storage tanks ◆ Wash facility basins/collection sumps ◆ Groundwater remediation systems ◆ API oil water separators
- ◆ Septic leach fields plugged with petroleum products ◆ Bilge water treatment facilities ◆

### Effective Against:

- ◆ Gasoline ◆ Diesel Fuel ◆ Fuel Oils ◆ Motor Oil ◆ Crude Oil ◆ Coal Tar ◆ Soaps ◆ Petroleum

### Additional Benefits:

- ◆ Reduces sludge and solids build-up in collection pits/tanks.
- ◆ Reduces odors by digesting odor producing compounds.
- ◆ Reduction of BOD/COD/TSS
- ◆ Reduction of sludge removal & disposal costs

### Directions:

Using a single dose or automatic continuous feed system, feed 18 to 20 ounces per day into a 500 to 1,500 gallon water source (65 to 200 cubic feet). For tanks greater than 1,500 gallons (200 cubic feet), feed at a rate of 32 to 40 ounces per day.

### Implementation:

EnBio can be injected via a metering pump or added by hand depending on the volume and frequency required to treat your water daily or intermittently. Pan America can provide a timer controlled metering pump system to allow you precise control of metering EnBio into your wastewater. Contact us for a quote on this pump system.

### Safety

Caution: May irritate eyes and skin. Keep out of the reach of children.

### NFPA RATINGS

|              |   |
|--------------|---|
| Flammability | 0 |
| Health       | 0 |
| Reactivity   | 0 |

### Properties

|                  |                                |
|------------------|--------------------------------|
| Appearance       | Green Liquid                   |
| Fragrance        | Pleasant                       |
| Concentrate      | Yes                            |
| Specific gravity | 1.00                           |
| Stability        | 1 year                         |
| Protect from     | High and Freezing temperatures |
| Biodegradable    | Yes                            |

### Active Ingredients

|                |
|----------------|
| Water          |
| Bacillus genus |
| Opacifier      |
| Fragrance      |
| Dye            |

### CAS Number

|             |
|-------------|
| 7732-18-5   |
| 68038-68-6  |
| Proprietary |
| Proprietary |
| Mixture     |

### DOT Shipping (ground transportation)

|                       |      |
|-----------------------|------|
| Proper Shipping Name: | None |
| Class:                | None |
| ID Number:            | None |
| Package Group:        | None |

### Volumes Available

|                   |
|-------------------|
| 55 gallon         |
| 5 gallon          |
| 6 X 1 gallon case |
| 4 X 1 gallon case |

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