

# EP-301

MULTI – PURPOSE

POWDERS

## OVERVIEW

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Our bulk EP-301 series powder product line contains the powerful waste digesting abilities of natural enzymes and bacteria. It is a blend of special bacteria strains (both anaerobic and aerobic types) cultured for their ability to digest and liquefy organic sewage quickly, efficiently and without odors! These potent bacteria are combined with natural enzymes to immediately break down all types of organic waste for effective digestion. Regular applications are necessary to replenish the beneficial bacteria and minimize growth of unwanted bacteria that produces odors and noxious gas.

These beneficial bacteria cultures are vastly superior to naturally occurring bacteria in digesting waste. Treated systems will reduce BOD and COD faster and more efficiently, enabling the system to treat higher volumes of waste and meet stringent effluent quality requirements. It will help the treatment system to resist temporary disruptions caused by toxic influent, while reducing odors and sludge volume. In septic systems, it will eliminate solids carry-over and odors, and reduce the frequency of pump-outs. It introduces micro-organisms into the soil for improved drainage and smooth operations of drainfields or leach beds.

In addition, ever-tightening environmental regulations have made it difficult for companies to remain in compliance using conventional methods for waste degradation. The industries affected by the stringent regulations include, but are not limited to, Food Processing, Industrial, Municipal, Pulp and Paper and Farming.

Many are looking to alternative means and bioaugmentation is gaining momentum as companies become educated on the ability to naturally degrade waste. Many companies are working in several markets and desire a product that will work effectively across a broad range of applications to reduce BOD, COD, sludge, odor, cellulosic solids, Fats, Oils, & Grease (FOGs), lignin, etc. Our RBT 300 series is our multi-purpose solution desired by our clients. It is available in many different concentrations:

EP-301 – 1.0E9 CFU/g  
EP-302 – 2.0E9 CFU/g  
EP-303 – 3.0E9 CFU/g  
EP-304 – 4.0E9 CFU/g  
EP-305 – 5.0E9 CFU/g  
EP-310 – 10.0E9 CFU/g

## USES & APPLICATIONS:

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- Septic Tanks
- Cesspools
- Drainfield / Leachfield
- Drains
- Digesters
- Lagoons
- Aerobic Treatment
- Pit Toilets & More



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## EFFECTIVE AGAINST:

- Odors
- Grease
- Cellulose
- FOG
- Digests Waste
- Sludge
- Organic Solids

## ADVANTAGES & BENEFITS:

- I CONTAINS BOTH ANAEROBIC (CAN LIVE IN AIRLESS ENVIRONMENT, NO OXYGEN) BACTERIA
- I CONTAINS FACULTATIVE (CAN LIVE WITH OR WITHOUT OXYGEN) BACTERIA
- I REDUCES HYDROGEN SULFIDE (ODORS)
- I BACTERIA ARE IN SPORE FORM FOR EXTENDED SHELF LIFE
- I CONTAINS VITAMINS TO ENHANCE BACTERIAL GROWTH
- I CONTAINS NO CHEMICALS
- I CONTAINS ENZYMES TO BREAK DOWN FATS, OILS AND GREASE (FOG), PROTEINS, CELLULOSE, CARBOHYDRATES, STARCHES AND MORE
- I BREAKS DOWN FAT & GREASE BUILDUP
- I ALSO AVAILABLE IN CONVENIENT WATER-SOLUBLE PACKAGING

## STRAINS

- I MULTI-STRAIN SPORE BLEND

## DIRECTIONS: Complete Directions on Product Label

**NOTE:** For Optimum Results activate the bacteria and enzymes in warm water before using.

**Trickling Filter** - Initial Treatment 6-12 lb per MGD. Maintenance Treatment: 3-6 lb per MGD weekly.

**Oxidation tanks** - Initial Treatment: 3-6 pounds per MGD of liquid sewage.

**Aerobic and Anaerobic Digesters** - 2 pounds per 1000 cubic feet sludge weekly.

**Sewer Laterals** - 1 pound per day per 500 cubic feet for 8-inch pipe.

**Grease Traps** – Initial Treatment: Flush 2 cups for each 20 Cubic Feet of trap capacity. Maintenance Treatment: Use 1 cup per 20 Cubic Feet of trap capacity weekly.

**Septic Systems - For initial treatment:** Flush 2 or 4 measuring cups (1 or 2 Pounds) for each 1000 gallons of septic tank capacity. **For monthly Maintenance:** Flush 1-2 cups (1/2- 1 LB) monthly. Flush toilet twice after application. Treatments can also be added directly to septic tank. To keep septic system drainfields and leach beds operating smoothly, dissolve 3 pounds (6 measuring cups) in warm water and pour into distribution box when applicable. Repeat this treatment weekly until flow is improved.



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**Pond or Lagoon System:** Use 6 LBS per 10,000 gallons of daily flow 2x the first week for initial **Shock Dose**. For **Maintenance Dose** use 2-3 LBS per week per 10,000 gallons of daily flow.

**Hog / Cattle / Chicken Pits:** 2-3 Pounds per 100 animals or 5 Pounds per 10,000 gallons of Liquid. The pit most contain some water on top of the solids. **Initial Treatment:** Treat Weekly until the digestive process underway. **Maintenance Treatment:** Adjust the treatment based on the amount of waste entering the lagoon/pit system.

## TYPICAL PROPERTIES

- I APPEARANCE ..... TAN POWDER
- I FRAGRANCE ..... MILD
- I FORM ..... POWDER
- I EFFECTIVE pH range..... 5.0 – 10.0
- I EFFECTIVE TEMPERATURE RANGE..... 34-120 DEGREES F

## PACKAGING

- I ALSO AVAILABLE IN 25, 50, 100, AND 400 LB. CONTAINERS
- I ALSO AVAILABLE IN 2 OZ., 4 OZ., 8 OZ., AND 16 OZ. WATER-SOLUBLE BIO-PACKETS

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

