

EP-303

(ECONOMY PAKS)

MULTI-PURPOSE

POWDERS

OVERVIEW

This product utilizes 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.

USES & APPLICATIONS:

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

EFFECTIVE AGAINST:

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

ADVANTAGES & BENEFITS:

- I CONTAINS BOTH ANAEROBIC (CAN LIVE IN AIRLESS ENVIRONMENT, NO OXYGEN) BACTERIA
- I CONTAINS FACULTATIVE (CAN LIFE 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

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DIRECTIONS: Complete Directions on Product Label

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

Dosage rates will vary with flow rates, retention times and system variations. The rates above are for a typical, well-maintained system.

Flow Rate	Initial Dosage	Maintenance**
Up to 1,000 GPD	1/2 LBS. per day for 3 days	1/2 LB. 2x per week
Up to 5,000 GPD	1/2 LBS. per day for 3 days	1 LB. 2x per week
Up to 20,000 GPD	5 LBS*	1 1/2 LBS 2x per week
Up to 50,000 GPD	8 LBS*	2 LBS 2x per week
Up to 250,000 GPD	15 LBS*	1/4 LB per day
Up to 500,000 GPD	25 LBS*	1/2 LB per day
Up to 1 MGD	50 LBS*	1 LB per day
Up to 2 MGD	50 LBS PER MGD*	1 LB per MGD per day
Up to 12 MGD	50 LBS PER MGD*	3/4 LB per MGD per day
Up to 100 MGD	30 LBS PER MGD*	1/2 LB per MGD per day

* Spread initial dose out over the course of 10 days

** Add as regularly as possible. If it is required to miss one day, add that day's product with the next days dosage.

ACTIVATED SLUDGE SYSTEMS:

Activated sludge systems include various process flow sheets for example: Extended Aeration, Contact Stabilization, Step Aeration, Oxygen Activated Sludge. The application rate for all products is based on the average daily flow rate to the aeration basin, excluding the return sludge stream.

LAGOON SYSTEMS:

For anaerobic and facultative lagoon systems, the application rate is based on the lagoon surface area:

Day 1 Through Day 5: - 15-20 LBS per Acre per Day
Day 6+: - 1 -2 LBS per Acre per Week

SEPTIC SYSTEMS:

Septic Systems For Initial Treatment: Flush 8 scoops (or use measuring cup – 8 scoops = ½ measuring cup) for each 1000 gallons of septic tank capacity. **For Monthly Maintenance:** Flush 4 scoops (or ½ measuring cup) monthly. Flush toilet twice after application. Treatments can also be added directly to septic tank.

To keep septic system drain fields and leach beds operating smoothly, dissolve 2 measuring cups in warm water and pour into distribution box or a cleanout leading to your leach field 1 to 2 times per year during the warmer months.

OTHER APPLICATIONS:

Decorative Lakes & Ponds: Initial Shock Dose: 60 LBS per acre dispersed in several areas across the pond surface. Divide this "shock dose" over a 2 week period. **Maintenance Dose:** 2-4 LBS per week per acre spread over a few areas of the pond. (Note: For colder climates start program when the water temperature is at least 50 °F.

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 bi-weekly.

Pit Toilets: To reduce odors, increase capacity, and liquefy solids in pit toilets, use 1/4 to 1/2 pound per 500 gallon of capacity. Make additions of digestant weekly. Do not use formaldehyde preservatives or disinfectants in treated soils.

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.

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



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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.

FOR MORE INFORMATION VISIT OUR WEBSITE: www.rex-bac-t.com

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