

DIGESTER DEODORANTS



Big D Industries, Inc.
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Enzym D digests organic waste and destroys odors associated with the decay of organic matter. It is highly effective in eliminating the organic salts associated with urine which cause odors. Special bred enzyme/bacteria cultures attack and break down uric acid molecules by digesting the source, just the way nature does it—but does it in minutes rather than days or weeks with zero environmental impact. **Enzym D** also contains a kills-all-odors Big D deodorant which neutralizes odors on contact.

Drain-Tame plus is a combination of free enzymes, nutrients and genetically engineered spores designed to quickly digest grease as well as proteins and other organic wastes. These spores continue to grow and degrade grease compounds long after initial usage. A non-acid, non-caustic formula, **Drain-Tame plus** is the safe and cost-effective way to treat drain systems, grease traps, septic systems and institutional floors. Coupled with a Big D deodorant, it deodorizes while digesting organic waste and reducing the volume of solids including grease, proteins, fats and oils.

Big D offers a complete line of products for thorough cleaning, disinfecting and odor control.

DRAIN-TAME *plus*

Drain Tame *plus* consists of a synergistic blend of highly specialized *Bacillus* microorganisms combined with a powerful stabilized enzyme system. Designed specifically to improve the bioenzymatic liquefaction and digestion of organic waste. Drain Tame *plus* promotes the rapid breakdown of organic matter in applications where accelerated enzymatic reactions are desired, such as drain lines, grease traps and waste degrading applications.

The microorganisms in Drain Tame *plus* were selected based on each strain's superior enzymatic activity against specific substrates (fats, oils, grease, protein, starch and carbohydrates) and the combined synergistic value of the final culture consortium, as demonstrated in enhanced cell growth, germination rate and effectiveness over a wide range of organic substrates. This consortium of microorganisms also exhibits exceptional organic degradation performance in both aerobic and anaerobic environments. The addition of the stable enzyme system provides a quick start to the Drain Tame *plus* metabolic activity. This is an important feature when time is critical.

The superior degradation capabilities are due, in part, to the addition of the stable enzymes. The added enzymes accelerate the degradation of organic particles into soluble food, improving biological degradation. This accelerated degradation results in improved performance in drain lines, grease traps, wet wells, lift stations, septic systems and other waste degrading applications.

Applications

Drain Tame *plus* is a bacterial formulation designed to provide exceptional performance for the following applications:

- Drain Line & Grease Trap Opener and Maintainer
- Septic and Waste Treatment
- Laundry Pre-Spot Treatment
- Portable Toilet Treatment
- Odor Control (for garbage holding areas, kennels, etc.).

Performance Benefits

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

Product Characteristics

Bacteria Count: Minimum of 54.0 x 106 cfu/ml (~200 billion/gallon)

Bacteria Type: Blend of Bacillus Spores, Salmonella/Shigella Negative

Appearance: Flourescent Yellow

Fragrance: Fresh Scent

Performance Characteristics

- High Enzyme Production Lipase/ProteaseAmylase/Cellulase
- Bacterial Pathways Aerobic & Facultative Anaerobic

ORDERING INFORMATION

Product No. 501

Quarts-Packed 12 per shipping case (wt. 28 lbs.)

Gallons-Packed 4 per shipping case (wt. 36 lbs.)

Also available in 5 gallon pail (wt. 45 lbs.)

& 55 gallon drum (wt. 495 lbs.)

ENZYM D

Enzym D consists of a synergistic blend of highly specialized *Bacillus* microorganisms. It is designed specifically to improve the bioenzymatic liquefaction and digestion of organic waste. Enzym D promotes the rapid breakdown of organic matter in applications where accelerated enzymatic reactions are desired.

The following four strains of the *Bacillus* microorganisms are present in Enzym D:

1. *Bacillus licheniformis* - good lipase production for grease digestion, cellulose production for cellulose degradation and amylase production for starch degradation.
2. *Bacillus amyloliquefaciens* - superior protease production for protein digestion.
3. *Bacillus pasteurii* - superior lipase production for grease digestion.
4. *Bacillus laevolacticus* - extremely fast germination, superior lipase production for grease digestion.

Enzym D is a white colored liquid with a pleasant smelling deodorant added to enhance deodorization. We guarantee a minimum of 17 million bacterial spores/ml (which translates to 64 billion/gal), but usually the count is approximately 2 - 3 times that number. These bacterial spores, once germinated, produce different enzymes that aid in the degradation of organic waste.

Enzym D has met the DuPont test for use on new generations of carpet. It can be used to eliminate urine odor on carpet, upholstery, urinals, grout and tile.

ORDERING INFORMATION

Product No. 500 - Lemon

Product No. 504 - Mint

Product No. 509 - Apple

Product No. 510 - Mountain Air

Quarts-Packed 12 per shipping case (wt. 28 lbs.)

Gallons-Packed 4 per shipping case (wt. 36 lbs.)

Also available in 5 gallon pail (wt. 45 lbs.)

& 55 gallon drum (wt. 495 lbs.)

DIGESTER DEODORANT PUMP

Product No. 705

Designed to be used in conjunction with Enzym D and Drain-Tame *plus*, this fully programmable peristaltic pump is designed for chemical treatment of drains and grease traps in food processing, restaurants, factories and institutions.



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