



# DRAIN MAINTENANCE GUIDE

**YOUR GUIDE TO CONTROLLING ORGANIC WASTE WITH PRO CHEM'S  
BACTERIAL DIGESTANT PRODUCTS**



# BENEFITS OF BACTERIAL MAINTENANCE

## WHAT ARE BACTERIAL DIGESTANTS?

Bacterial digestants utilize Mother Nature's bacterial digestion process. Humans, animals, and plants all produce or cause organic wastes that accumulate. Bacterial digestant products have the ability to break down and digest organic waste. As a result of rigorous research and extensive testing, Pro Chem's products have been formulated with powerful, resilient bacterial strains that speed up the process of bioremediation and effectively eliminate clogs and odors.

## HOW BACTERIAL DIGESTANTS WORK

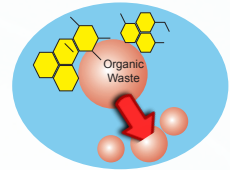
Decomposition occurs naturally in the environment, but it happens slowly and produces odors and noxious gases. Adding bacterial digestants to organic waste speeds up the natural decaying process without producing foul odors. There are three basic elements needed to quickly and effectively break down waste: nutrients, free enzymes and bacterial cultures. Each of these components plays an important role in promoting fast, efficient elimination of organic waste.

## SUPERIOR CHEMISTRY

Pro Chem's digestant products contain bacteria of the Bacillus species and are able to consume waste in both aerobic and anaerobic conditions (with or without oxygen). Bacillus bacteria was selected because of its ability to consume organic waste extremely fast without producing foul odors or noxious gases. Bacillus grows and reproduces rapidly and are non-pathogenic, so they will not cause disease in animals or humans.

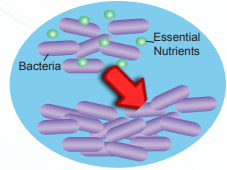
Our bacteria are packaged in freeze-dried spore form as opposed to the vegetative adult form. This leads to longer shelf life and greater stability because the spore is in a suspended state that is not active when in the bottle. Our digestants have a higher bacteria count than other products to provide more power per application, allowing you to use less.

Pro Chem's line of digestants includes several superior products suited for a variety of applications and industries so one is certain to be perfect for your organic waste needs.



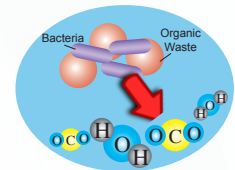
### ENZYMES

Chemical additives that break down complex waste molecules into small, simple pieces, making digestion easier for bacteria.



### ESSENTIAL NUTRIENTS

Enhance bacteria growth to increase digestion activity.



### BACTERIAL CULTURES

Consume organic waste by converting it into its basic components: carbon dioxide and water.

## LIQUID DIGESTANTS

### ACTION - #2428

#### Super Enzymes with Bacterial Digestants

- Contains enzyme accelerators
- High bacteria count
- Blend of four bacteria strains
- 200 billion bacteria per gallon
- Food Processing Acceptability: C1
- Kosher certified
- Excellent for drains and grease traps

### ALIVE PLUS - #2429

#### Liquid Bacteria Waste Digester and Odor Counteractant

- Blend of 4 unique bacterial strains
- Bacteria count of 100 billion microorganisms per gallon
- Bacteria replicates rapidly
- Heat, bleach, alkali and disinfectant resistant
- Biodegradable
- Reduces sludge volume and BOD
- Nonpathogenic

### BIO-DIGEST - #2437

#### Drain Line and Septic Tank Maintainer

- Reduces FOG, BOD and sludge volume
- Reduces suspended solids
- Fast acting when applied to clogged drains
- Heat resistant up to 180°F
- Has rapid bacteria replication
- Contains 200 billion microbes
- Non-toxic, non-acid and non-polluting
- Saves money by reducing the frequency of grease trap pumping

### BIO-GEST - #2465

#### Bacterial Additive for Degrading Petroleum Hydrocarbons in Oil/Water Separators

- Reduces manual cleaning of oil/water separators
- Improves quality of wastewater being discharged
- Keeps drain lines flowing
- Naturally degrades petroleum hydrocarbons
- Reduces COD by up to 95% and grease (Total Petroleum Hydrocarbons) by 75%

### SMART CHOICE - #2672

#### Non-Acid Toilet Bowl Cleaner

- Non-corrosive, non-toxic
- Bioenzymatic formula with 100 billion colonies per gallon
- Eliminates the source of most organic odors
- Deodorizer
- Rapid bacteria replication
- Salmonella free
- Food Processing Acceptability: C1

### TRAP BUSTER - #2416

#### Biodegradable, Vitamin-Based Grease Trap Maintainer

- A blend of botanical extracts and vitamins
- Reduces grease trap pumping to once every 18 months
- Revitalizes existing microbes to perform at optimum conditions
- Reduces flies by eliminating rancid fat, oil and grease ("FOG")
- Eliminates odors by changing the environment
- Special wetting agents remove waste from pipes and tanks

# SOLIDS GRANULAR AND POWDERED BACTERIAL DIGESTANTS

## BAC PAKS - #3484

### Bacteria Packets for Treatment of Wastewater

- Easy to use packets require no measuring or mixing
- Attacks, liquefies and removes grease, fat and oil fast
- Contains a blend of bacillus bacteria strains cultured for their ability to digest organic waste
- Works in both anaerobic (absence of oxygen) and aerobic (contains oxygen) environments
- Has an extended shelf life due to spore form of bacteria
- Reduces odor, BOD, COD, suspended solids, turbidity and ammonia concentrations
- Resistant to chlorine, disinfectants and high water temperatures

## BIO BLOCK - #3423

### Solid, Slow-Dissolving Bacterial Blocks

- Lasts up to 30 days
- Easy to use. No measuring, no waste
- Suitable for all grease trap sizes
- Eliminates up to 96% of grease trap odors
- Absorbs phosphates and reduces hydrogen sulfide
- Reduces organic solids and sludge buildup
- Improves settling and percolation
- Lowers BOD, TSS, COD and FOG
- Meets the "Purchase of Sustainable Cleaning Products and Materials" criteria under the LEED point management system

## CLOG BUSTER - #3415

### Powdered Drain Opener Packets

- Creates a two-way foam that coats the drain line up to 12 feet of the drain sink
- Contain no acids or caustics
- Biodegradable, non-toxic and non-corrosive
- Masks odors
- Microbes and enzymes are safe, non-pathogenic and salmonella free

## CONSUM IT - #3402

### Granular Enzymes

- Attacks, liquefies and removes grease, fat and oil fast
- Contains both anaerobic (can live in airless environment) and facultative (can live with or without oxygen) bacteria
- Bacteria are in spore form for extended shelf life
- Contains vitamins to enhance bacterial growth
- 12 billion active microbes per ounce
- Kosher certified
- Food Processing Acceptability: L2

## SUPER BLOCKS - #3320

### Deodorant Blocks for Use In Drainage Sewers

- Mesh hanger for easy hanging
- Fights odors for up to 14 weeks
- Controls odors from outdoor smoking areas
- More effective than liquid products
- Around the clock odor control

USES	PRODUCT NAME																						
	ACTION	ALIVE PLUS	BAC PAKS*	BIO BLOCK*	BIO-DIGEST	BIO-FRESH	BIO-GEST	CALCIUM BLASTER	CITRA SOLV	CITRA-SOLV II	CITRA WORKS	CLOG BUSTER*	CONSUM IT*	COVER UP	DRAIN COAT	DRAIN COMMANDER	DRAIN FREE	FLOW FREE*	GREASE BLASTER	LOCK DOWN	SMART CHOICE	SUPER BLOCK*	TRAP BUSTER
	PRODUCT CODE																						
	2428	2429	3484	3423	2437	2413	2465	2403	2424	2426	2425	3415	3402	2417	2418	1450	2406	3420	2427	2408	2672	3320	2416
Carpets & Upholstery	●	●				●										●							
Drain Maintenance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drain Opener	●	●				●			●	●	●	●						●	●				
Floors & Surfaces	●	●				●				●	●	●										●	
Grease Trap Maintenance	●	●	●	●	●	●							●	●	●								●
Lift Stations		●	●	●	●	●						●	●						●				
Lagoons	●		●									●											
Odor Control	●	●				●	●			●	●	●			●	●	●				●	●	●
Portable & Pit Toilets	●	●	●		●	●							●			●						●	
Petroleum Contamination							●																
Septic System	●	●	●		●	●							●		●		●					●	
Sewer Lines																			●				
Wastewater Treatment	●	●	●	●	●	●							●	●									
Waterless Urinals																				●			

\* Solid, granular or powders

## BIO-FRESH - #2413

### Waste Liquefier and Odor Eliminator

- Digests and liquefies waste
- Instantly eliminates odors
- Extremely powerful
- Solubilizes grease
- Activates drain lines and grease traps
- Removes odors from carpeting
- Available in Linen (2434) and Dreamsicle (2431)

## CALCIUM BLASTER - #2403

### Scale and Mineral Remover

- Prevents calcium and uric acid deposits in pipes
- Reduces odors
- Reduces labor of removing piping to clean
- Removes light rust from porcelain
- Safe for all plumbing, including PVC, plastics and all metals

## CITRA-SOLV - #2424

### 100% Organic Degreaser, Deodorizer and Drain Solvent

- Natural orange terpenes (95%)
- Contains no petroleum distillates
- Pleasant citrus fragrance
- Non-corrosive, non-caustic, non-acid
- Higher flash point than other citrus-type solvents
- Food Processing Acceptability: C1
- Water rinsable, water dilutable
- Concentrated
- Biodegradable

## CITRA-SOLV II - #2426

### Versatile Natural Solvent

- Non-acid
- Non-caustic
- Non-corrosive
- Can be rinsed with water
- Can be diluted with water
- Food Processing Acceptability: C1

## CITRA WORKS - #2425

### Soy and Citrus Degreaser, Deodorizer and Drain Solvent

- Natural soy (90%) and orange terpenes (5%)
- Pleasant citrus fragrance
- Non-corrosive, non-caustic, non-acid
- Concentrated
- Biodegradable
- Controls odors
- High flasher point than other citrus-type solvents

## COVER UP - #2417

### Wastewater Odor Control Treatment

- Bio-based and biodegradable
- Non-emulsifying formula floats on the surface of the water while continuing to remove deposits as water levels change
- Creates a barrier that keeps out the air that carries the odors away from the station
- Coat walls and surfaces of the lift station to remove heavy grease accumulations

## DRAIN COAT - #2418

### Thickened Enzyme Treatment for Organic Waste

- Thick gel clings to sides of pipes and drain lines
- Contains 300 billion of 7 strains of bacteria per gallon
- Non-acid, non-toxic, non-alkaline, non-pathogenic, non-polluting
- Reduces suspended solids
- Certified Salmonella and E. coli free
- Biodegradable

## DRAIN COMMANDER - #1450

### Foaming Drain Cleaner and Odor Eliminator

- Breaks down fats, oils and greases (FOG)
- Non-toxic expanding foam
- Eliminates odors
- Non-polluting
- Contains no acids or caustics

## DRAIN FREE - #2406

### Alkaline Liquid Drain Opener

- Not harmful to drains, pipes and glue
- No dangerous mixing needed
- Safer than acids
- Ideal for use on PVC and metal pipes
- Completely non-fuming
- Food Processing Acceptability: L1

## FLOW FREE - #3420

### Citrus-Scented, Granular Drain Line Opener and Maintainer

- Dissolves hair (the main cause of most sink and shower stoppages)
- Flushes slime from urinal traps
- No fumes - pleasant scent
- Biodegradable
- Will not affect septic system
- Will not harm pipes or fittings
- Restores drains to full flow
- Safe for x-ray drains

## GREASE BLASTER - #2427

### Sewer Jet Line Cleaner/Degreaser

- Breaks down grease and organic material in lines
- Prevents sewer back-ups, manhole and line obstructions
- Reduces foul odors
- Long lasting bacterial detergent treatment
- Economical/highly concentrated
- Non-Caustic - safe for all pipes and jet trucks
- Foaming treatment

## LOCK DOWN - #2408

### Urinal and Drain Treatment

- Floats on top of water, urine and other liquids to create an effective barrier to foul odors
- Locks air out of the drain to prevent odors
- Locks sewer gases and smells in the drain
- Creates a protective barrier between the user and the fluids of the drain, urinal or sump
- Great for use in dry drains
- Will not evaporate to 100°F
- Freeze above -14°F