



Cape Cod Biochemical Co.

800-343-8007  
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The Cape Cod Biochemical Company has been formulating products for residential, commercial, institutional, and municipal applications since 1955.

# PRODUCT CATALOG



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## CCLS® SEPTIC TANK AND CESSPOOL TREATMENT

### PURPOSES:

- ✓ Maintains septic systems
- ✓ Digests waste
- ✓ Unclogs plumbing waste lines
- ✓ Eliminates odors
- ✓ Reduces organic buildup

### USES:

Septic tanks and cesspools  
Drains, traps, & plumbing lines  
Sluggish waste lines  
Soil absorption fields  
Problem odors  
Private and municipal waste  
treatment facilities

### SUGGESTED APPLICATION AREAS:

Residences and apartments  
Restaurants and public restrooms  
Schools  
Health care facilities  
Hotels and motels  
Shopping centers  
Commercial kitchens



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### APPEARANCE:

Color: blue/green

Specific gravity: 1 where water = 1

Odor: Fermentation: not objectionable

Packaging: 12x1 quarts :: 4x1 gallons :: 5 gallon pail

**APPLICATIONS:** (see label for recommended dosages)

### CONDITIONS FOR USE:

Performs best in pH range 6.0-9.0

Best temp range is 55°-100° F.

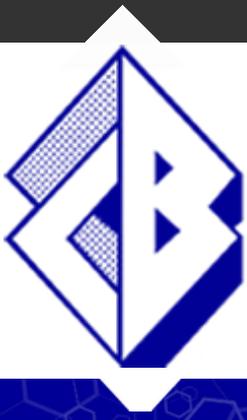
Expect limited activity below 40° F



### HOW IT WORKS:

CCLS uses beneficial bacteria and enzymes to break down solids, restore a healthy microbial balance, normalize C.O.D and B.O.D levels between pump-outs, reduce odors, and produce healthier effluent for the drainfield..

**FOR SEPTIC TANKS AND CESSPOOLS:** If septic tanks and cesspools are not properly maintained they will fill up with solids, they will clog the soil absorption areas, they will contaminate the soil, and they will become health hazards and burdensome expense. Apply CCLS® at least monthly in the home to maintain bacterial balance in the septic tank or cesspool. Older, overtaxed, or neglected systems may require a shock dosage to create high bacteria level.



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**ADVANTAGES:**

CCLS® is formulated from naturally-occurring organisms. It needs no mixing. It is non-toxic, non-hazardous, non-corrosive, non-combustible. It emits no odors or harmful fumes. It will not harm the skin. It will not harm humans or pets, although not intended for human consumption. CCLS® contains no acids, caustics, chloride, or volatile organic compounds. CCLS® is biodegradable, is safe for environment, and is completely safe to store and use in the home when used according to directions.

**NOTES:** Store in cool, dry place. Do not expose to temperature exceeding 1200F for more than 8 hours. CCLS® is protected against freezing to 00F. It will survive three full freeze/thaw cycles with no damage to the organisms. However, it is not recommended that CCLS® be frozen, as it may burst the package. Flush all dosages with luke warm water. When treating multi-story buildings, treat lower floors first and work up. This will avoid clogging from above. For best results, use CCLS® according to planned maintenance schedule.

Apply dosage prior to period of lowest flow for maximum retention time.

Do not use in conjunction with bleach, disinfectants, or harsh drain cleaning as these will inactivate the bacterial activity of CCLS®.



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**DIRECTIONS:** Shake well before using.

**FOR SEPTIC TANKS & CESSPOOLS:** Distribute 8 oz. CCLS® weekly OR 32 oz. monthly among all drains in the house.

For older or overtaxed septic tanks and cesspools, distribute 16 oz. weekly among all drains in the house.

**SAFE FOR GARBAGE DISPOSAL:** Apply 2 oz. CCLS® weekly directly to disposal and other drains to avoid buildup and odor.

**FOR ODOR CONTROL:** Check to make sure area is colorfast before applying. Dab or spray CCLS® directly on affected area as needed.

CCLS® contains natural bacteria and enzymes specifically formulated to biologically break down the organic build-up that can clog waste systems and create odors. CCLS® is non-toxic, non combustible, non-corrosive. CCLS® contains no caustics, acids, or EPA priority pollutants. It is biodegradable and completely safe to store and use in the home.

Not intended for human consumption. Avoid contact with eyes. Keep out of the reach of children



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## BIO-REM E-D granular Grease Trap and Sewer & Drain Line Treatment

### USES:

Problem grease traps  
Commercial & industrial kitchens  
Overloaded plumbing & waste lines  
Sluggish, sewer & leach lines  
Food, meat, & poultry packing plants  
Municipal sewage treatment plants

### PURPOSES:

- ✓ Digests grease
- ✓ Digests waste
- ✓ Eliminates organic buildup
- ✓ Eliminates odors

### SUGGESTED APPLICATION AREAS:

Restaurants  
Schools

Hospitals  
Laundries

Nursing Homes  
Hotels and Motels  
Residences



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### **ADVANTAGES:**

- Enhances BOD/COD removal
- Reduces hydrogen sulfide
- Reduces sludge buildup, increases system efficiency
- Degrades a wide range of complex organics
- Eliminates odors at the source
- Reduces labor time, cost effective and easy to use
- No special equipment required
- Non-hazardous, Contains no chemicals
- Does not give off odors or toxic fumes.
- Will not damage or harm the skin.
- Contains no acids, caustics, chloride, or organic solvents
- Authorized by the USDA for use in federally inspected meat, poultry, and egg packing plants



### **PRODUCT COMPOSITION:**

- At least 7 strains living organisms
- Enzymes present: Amylase (starch degrading) Protease (protein degrading) Lipase (grease degrading) Cellulase (cellulose degrading)
- Organisms also present to degrade detergent, hydrocarbons, and to reduce sulfides



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**APPEARANCE:**

BIO-REM E-D Tan powder  
Odor: Bran, not objectionable



**HOW IT WORKS:** BIO-REM E-D becomes active in liquid. The enzymes present break down organic waste into food for the bacteria present. The bacteria use this food to multiply and produce more enzymes. This cycle continues until the waste has been completely digested leaving the area free of solids, free flowing, and odor-free.

**APPLICATIONS:** (see label for recommended dosages)

**FOR PROBLEM GREASE TRAPS:** If grease traps are not properly maintained they become problems. Grease accumulates, hardens, becomes rancid, and causes foul odors. BIO-REM E-D contains bacteria and enzymes that directly attack the cause of the grease buildup and odors. BIO-REM E-D effectively eliminates the grease buildup and odors

**FOR COMMERCIAL AND INDUSTRIAL KITCHENS:** Grease is the biggest problem in most kitchen plumbing. Hot water dissolves grease and flushes it down the drain. As the water cools in the drain lines, the grease and other debris congeal on the interior surfaces of the lines. Garbage grinders compound this problem with food grindings that congeal with the grease to clog the lines. Failure to clean drain lines causes slow drainage, foul odors, and eventual stoppage. BIO-REM E-D removes the cause of the odors and clogging by digesting the grease and other organic waste in the lines.



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## **FOR SMALL INTERIOR GREASE TRAPS AND FLOOR**

**SINKS:** Reduce or eliminate manual cleaning of interior grease traps and floor sinks.

## **FOR SLUGGISH SEWER AND LEACH LINES:**

Organic solid material should be trapped in a grease trap or held in a septic tank. If these are not properly maintained, solids will accumulate in sewer and leach lines. BIO-REM E-D effectively removes solids from the interior surfaces of sewer lines and unclogs leach lines when used in shock type dosages.



For other applications, consult your BIO-REM E-D distributor or contact our technical support department at **septic@septiconline.com**

### **Notes:**

- Store in a cool, dry place
- BIO-REM E-D is activated by water. Flush recommended dosages into pipes with 2 cups of lukewarm (NOT HOT) water.
- When treating multi-story buildings, treat the lowest floor first, and work upward to avoid clogging from above.
- For best results, use BIO-REM E-D according to a planned maintenance schedule with maintenance dosages being applied at least once a month.
- Apply BIO-REM E-D prior to periods of low flow to maximize retention time. The more time BIO-REM E-D has to work, the better it works.
- Do not use BIO-REM E-D in conjunction with bleach, disinfectants, or harsh drain-cleaning chemicals as these may inactivate the biological action of BIO-REM E-D.



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## **DIRECTIONS:**

For Residential Drains, Pipes, Dishwashers, Garbage Disposals, and Sinks:

### **Sinks:**

Cleanout Dosage: apply 2 tablespoons (16 grams) BIO-REM E-D daily directly to problem drains for one week as needed.

Maintenance Dosage: apply 4 tablespoons (32 grams) BIO-REM E-D weekly. For floor drains, apply 4 tablespoons BIO-REM E-D twice weekly.

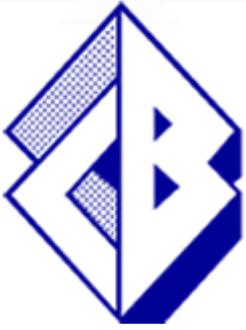
### **For Restaurant Grease Traps:**

(Note: if trap is solid grease, clean mechanically prior to treatment. Treat prior to periods of low flow for maximum retention time.)

Cleanout Dosage: per 100 gallon tank capacity, apply 7 tablespoons (56 grams) BIO-REM E-D daily direct to trap or to drain leading direct to trap until grease mat and odor are gone.

Maintenance Dosage: per 100 gallon tank capacity, apply 4 tablespoons (32 grams) BIO-REM E-D twice weekly.





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### **For Restaurant Grease Traps:**

(Note: if lines are completely clogged, clean mechanically prior to treatment. Treat prior to periods of low flow. In septic tank systems, it is advisable to pump the septic tank prior to treatment to maximize leach line retention time. If there is standing water in leach lines, dewater lines prior to treatment. For best results, mix dosage with 5 gallons lukewarm (NOT hot) water and let stand 1-2 hours prior to application.)

Shock Dosage: per 100 gallon tank capacity, apply 1 cup (150 grams) BIO-REM E-D to distribution box or septic tank effluent line. Flush with a garden hose. Repeat treatment weekly until desired results are attained.

Cleanout Dosage: to eliminate buildup in sluggish waste lines, flush 2 tablespoons (16 grams) BIO-REM E-D daily into commode for one week or as needed. Apply prior to periods of low flow.

Maintenance Dosage: flush 2 tablespoons (16 grams) BIO-REM E-D weekly into commode or as needed to eliminate buildup and keep waste lines free-flowing and odor-free.



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## AfterShock Soil Absorption Restorative

### PURPOSES:

- ✓ Restores drainage to clogged and sluggish drainage fields and structures.
- ✓ Eliminates odors.

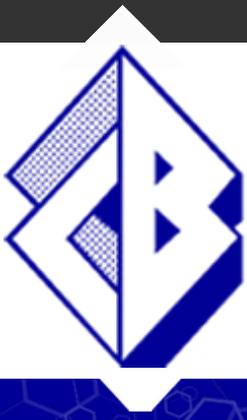
### PRODUCT COMPOSITION:

Multi-strain bacillus spore-bearing bacteria blend.  
Proprietary bacteria-friendly, time-release oxygen source.

### APPEARANCE:

Color: tan.white  
Free-flowing powder  
Odor: Earthy fragrance, not objectionable

**HOW IT WORKS:** AfterShock becomes active in liquid. When introduced into a soil absorption area, AfterShock will restore drainage by biologically digesting the solid material that normally clogs systems. The oxygen source will accelerate the bacterial activity for an extended period of time, promoting unusually fast growth, reproduction, and biological activity of the organisms.



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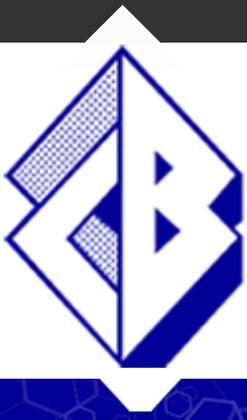


## DESCRIPTION:

AfterShock is a unique blend of laboratory-enhanced, naturally-occurring, primarily aerobic organisms that are type-specific to the various substances that typically clog drain fields and leaching structures. AfterShock also contains a proprietary, bacteria-friendly, time-release oxidizing agent that will accelerate the bacterial action of the organisms in the product to restore drainage in most soil absorption areas.

AfterShock's consortium of bacteria and oxidizer can be applied at the same time. The oxygen-accelerated bacterial action will quickly digest the organic solid materials that reduce the drain field's capacity to absorb water, effectively restoring drainage through a natural process.

AfterShock contains no pathogens, acids, or volatile organic compounds. AfterShock is completely safe to store and use according to directions.



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### **ADVANTAGES:**

Bacteria USDA authorized



Non-hazardous, non-toxic, contains no EPA Priority Pollutants

Safe for the environment

Enhances aerobic bacterial growth

Reduces sulfide respiration

Detoxifies stagnant drainage areas

Prevents backups and eliminates odors

Extends the life of soil absorption area

Utilizes natural processes

### **APPLICATION AREAS:**

Residential and commercial drain fields

Cesspools and seepage pits

Recirculating sand filters

Ideal for use in conjunction with high-pressure water jetter

Ideal for use with soil facturing equipment

**Notes:** AfterShock can be used in conjunction with soil facturing and high-pressure jetting equipment.

Store AfterShock in a cool, dry place.

Reseal AfterShock package in between uses.

*"We have found  
**AfterShock** to be easy to  
use and safe on septic  
systems, and will be  
recommending it to our  
future clients."*

-- Chris, Roto-Rooter Plumbers



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## PROTOCOL/DOSAGE:

**NOTE:** AfterShock Process works best when all solids buildup is removed from the leaching facility mechanically. The process will also work best when allowed to work uninterrupted for as long as possible. To accomplish this it is advisable to clean as much solid material as possible from the drain field lines or drainage structure mechanically, using high-pressure water.



Additionally, it is advisable to pump all tanks to provide a maximum retention time for the AfterShock to work.

1. Pump all tanks
2. High-pressure water jet the lateral lines or drainage structure (cesspool or seepage pit)
3. Dewater the soil absorption area by pumping out the distribution box until no water runs back.
4. (If possible isolate each line and treat separately to assure even distribution of the product.)



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**PROTOCOL/DOSAGE CONTINUED:**



Residential: Apply 18 lbs. AfterShock for up to 1500 gallon septic tank capacity, directly to the distribution box or septic tank discharge line.

Commercial: Apply 36 lbs. AfterShock per 2000 gallons septic tank capacity, directly to the distribution box or septic tank discharge line.

Cesspools/seepage pits: Fill cesspool or seepage pit 1/3 to 1/2 full with clear water. Apply 18 lbs AfterShock per 1000 gallon pit capacity.

- 5.** For lateral lines only, run water (garden house or other source) into distribution box for 5-10 minutes or until lines are full.
- 6.** Apply 1 gallon CCLS® liquid septic tank treatment to the septic tank per 1000 gallon tank capacity at time of AfterShock treatment.
- 7.** Maintenance: Apply 1 gallon CCLS® directly into septic tank or down any drain in the house that leads directly to the septic tank monthly for 2 months, followed by monthly maintenance dosages of 1 quart CCLS® down any drain in the house. It is advisable to alternate drains monthly to assure buildup removal in all drains in the home.
- 8.** Have septic tank cleaned annually to avoid future problems.



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# DrainMaster®

CONCENTRATED DRAIN CLEANER

## DrainMaster® Concentrated Drain Cleaner

### PURPOSES:

- ✓ Opens problem drains
- ✓ Removes buildup
- ✓ Keeps drains free-flowing
- ✓ Maintains grease traps
- ✓ Controls odors

### USES:

Drains, traps, plumbing lines  
Commercial grease trap  
Residential waste systems  
Sluggish waste lines  
Soil absorption areas  
Problem odors

### SUGGESTED APPLICATION AREAS:

Private residence  
Multiple unit residence  
Restaurants & commercial kitchens  
Public restrooms  
Institutions & health care facilities  
Hotels, motels, retail outlets





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### **PRODUCT COMPOSITION:**

Liquid bacteria/enzyme solution containing billions of enzyme-producing microorganisms formulated to biologically break down fat, grease, oil, starch, protein, carbohydrates, and most other organic matter that tends to block plumbing waste systems and create odors.

### **APPEARANCE:**

Color: green liquid, slightly turbid

Fragrance: mild, fresh

Specific gravity: 1 where water = 1

Packaging: 12 x 1 quarts :: 4x1 gallons  
:: 5 gallon pails

### **CONDITIONS FOR USE:**

Best pH range: 6.0 - 9.0

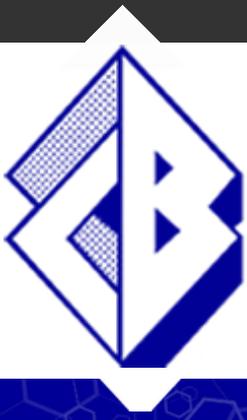
Best temperature range 55° - 120° F.

Expect limited activity below: 40° F.



*"Keeps drains running smoothly and odorless. Just 3 caps in all of my drains every 2 weeks is all it takes."*

-- Barbara



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**HOW IT WORKS:** The bacteria and enzymes in DrainMaster® work together to break down and eliminate buildup and odors through a natural degradation process. DrainMaster® is not intended to open completely clogged drains.

**ADVANTAGES:** DrainMaster® is scientifically formulated from naturally-occurring microorganisms. It is non-toxic, non-corrosive, and non-combustible.

DrainMaster® contains no formaldehyde, no phenolics, no carcinogens, no quaternary compounds, and no EPA priority pollutants. DrainMaster® is completely safe to store and use in the home when used according to directions. It is biodegradable and is safe to the environment.

**ACCESSORY AUTOMATIC PUMP:** DrainMaster® can be automatically injected into grease traps and other waste systems via the DrainMaster® timed metering pump by Viking Injector.





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## **DrainMaster® Pump**

### **SPECIFICATIONS:**

PRO DRAIN CHIEF II (Low Speed) by Viking Injector

### **DIMENSIONS:**

7"H x 7"W x 6½" D

### **ENCLOSURE:**

Injection Molded High Impact Plastic

### **ELECTRICAL:**

Input - 120 VAC, 5 Amps, 60 Hz

Power Cord attached to unit

(optional battery - powered unit available)

### **PUMP:**

Peristaltic type using ¼" I.D. Squeeze tubing

Maximum lift - 20 ft. vertical

Maximum PSI - 40 lbs

Feed Rate (low speed) - 4.5 fl. oz. (133ml) per minute with 6½ foot lift & push

Minimum Injection - 1.5 fl. oz. (44ml) @ 20 second run time

Maximum run time - 3 minutes

### **PROGRAM TIMER:**

24 hour repeat cycle - 1 minimum activation interval

(Optional 7 day timer available)





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## **DrainMaster® Pump**

### **MOUNTING:**

Wall mount: double key hole (drilling template included)

Surface mount: Rubber suction feet available.

Complete installation hardware and instructions included.

### **FEATURES:**

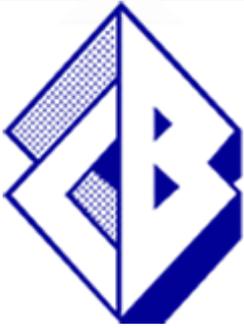
✓ Security lock with key

✓ Heavy-duty pinned lid hinge

### **INSTALLATION: DrainMaster® Application**

Follow manufacturer's installation instruction included with unit. To install in DrainMaster® 5-gallon pail:

1. Remove safety caps from spout on lid of pail.
2. Remove black, screw-on resealing cap.
3. Pull ring and remove inner spout cap.
4. Locate ring of plastic on spout ½" below end of spout.
5. Using a sharp knife cut spout just below the ring
6. Break apart the three sections of snap-together dip tube and snap sections together to make a single 17 5/8" tube.
7. Push the assembled tube through the spout, slotted end first (slotted end goes to bottom of pail, flush side protrudes approximately 3" above pail lid. This will fit tightly.)
8. Insert square plastic piece with compression fitting into protruding end of dip tube.
9. Connect one end of tubing to dip tube compression fitting and other end to compression fitting on supply side of pump.



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## Jump Start Healthy Probiotic Septic

### HOW IT WORKS

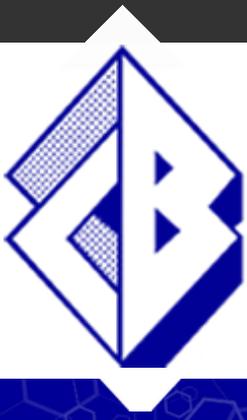
- ✓ Prevents clogging, sewage backups and odor drafts from septic pumping tanks
- ✓ Reduces organic sludge, grease build-up and slime layers beneath the drain fields

### DOSAGE-SEPTIC TANK:

After septic tank is pumped per 500 gallon tank capacity, apply 1 LB (2 scoops) of JUMP START directly into the septic tank.

### DOSAGE-CESSPOOL:

After cesspool is pumped per 500 gallon tank capacity, apply 2 LBs (4 scoops) of JUMP START directly into the cesspool.



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**MAINTENANCE:**

Use CCLS® septic tank treatment monthly per label or at your septic contractor's recommended dosage.



**OUR COMMON SENSE WARNING:**

Avoid breathing dust. Wash hands after use. May cause skin irritation or respiratory reaction. Avoid contact with open cuts or sores. If such contact should occur, flush thoroughly with water. If swallowed, contact a physician.

Keep out of reach of children.

Safe for the environment when used according to the directions. Read entire label before use.