

**Chemicals, Enzymes, Cables, Even Pumping Can't Give**

# **TROUBLE FREE**

## **Drains & Disposal Systems**

**Biological Recycling does. Everything else is just expensive First Aid!  
RESTORE your entire system like NEW. Then you can PREVENT  
slowness, back-ups, pumping, clean out and foul sewage odors.**

**NO CHEMICAL, ENZYME, OR MACHINE CAN ELIMINATE SMELLY CLOGGING WASTE.** Never could-never will! Chemicals melt some waste, combine with it and harden into a worse mess than you had. Chemicals ruin plumbing. Enzymes can't digest solids. Cables and machines poke a tunnel through rotting garbage and excrement which closes together again. Buildup can't be pumped from a Leach Field. Cleaning or pumping grease traps and septic tanks, or hauling tons of solids from lagoons and treatment plants, requires dumping it to pollute elsewhere.

**ANCIENT PHOENICIANS AND ROMANS HARNESSSED NATURAL BIOLOGICAL RECYCLING** for their successful waste systems. Some are still in use after thousands of years. We learned to reproduce this basic function of Nature, then laboratory enhanced it for today's demands. Bio-remediation recycles the cause to RESTORE even inaccessible parts of your system. We don't just move or rearrange waste buildup. We eliminate it. When you eliminate the cause you eliminate the problems and expenses-foul odors too.

**MODERN DIETS, FOOD PROCESSING AND PRESERVATION CAUSE WEAK** imbalanced supplies of natural "recyclers" drain/waste systems must have to work. Plumbing and waste systems must have strong colonies of ALL the right digesting micro-organisms or they fill with undigested waste and fail.

**DEODORANT SOAP, TOOTHPASTE, MOUTHWASH, CLEANSERS AND DISINFECTANTS ARE CHEMICALS** designed for hygienic use to kill germs. They can't distinguish odor-and-disease causing germs from Nature's Recyclers, which they weaken or kill in your drains and system. Result: worse slowness, back-ups, threatening foul odors; then cabling, pumping, clean outs and big bills.

**TODAY'S WIDESPREAD DRAIN/PIPE/DIGESTER WORRIES AND EXPENSES** become unbearable and most experts or technicians besieged by questions are baffled too. Most will tell you regular service calls or pumpings are the answer. The final advice is that your system is too small, so tear it out and build a bigger failure. It will become choked and fail too. This is somewhat like telling a child sick from eating green apples to eat more green apples to get well. This gets them rid of you for a while, but you pay the bills.

**BIO-SURE CAN RESTORE AN ENTIRE AVERAGE DRAIN AND PIPE SYSTEM FOR LESS THAN THE COST** of just one 'rooter' call for one drain. It can RESTORE like new a grease trap, septic tank and leach field for less cost than one temporary pumping. It can even eliminate tons of solids in sewage lagoons and other large systems. Then you and BIO-SURE can PREVENT the build-up and its troubles from returning, in most systems for pennies per week.

**HOW WE DO IT IS INSIDE. BIO-SURE's recyclers are...**



**BIO-SURE® BIOLOGICAL  
WASTE RECYCLER**

laboratory-designed improvements on Nature's, part of the ninety-seven percent of bacteria that are beneficial and without which life on Earth would cease. Some beneficial bacteria produce cheese, yogurt, wine and other "goodies." Bacteria live in your intestinal tract and help you digest your food. Too much antibiotic can wipe them out and cause your body to fail - just as sanitary waste systems without enough of all the right recycling bacteria fail. NON-pathogenic, NON-toxic, dormant, beneficial micro-organisms are safe to have around. Many chemical products you use are not. Only three percent of bacteria are pathogenic (disease and odor-causing germs) and they are not part of BIO-SURE.

Your car won't run if fueled with your favorite beverage. Drains and waste systems don't work with too much counter productive materials in them.

When troubles and costs become too burdensome, you have three options: 1) Try to continue what you are doing. 2) Spend thousands of dollars to replace your system with a new one that will work until you need BIO-SURE to restore it too, or 3) BIO-SURE can RESTORE your present system, eliminate the odors and then PREVENT failure causing new build-up. It can keep most systems working like new for pennies a week.

**SOLVE YOUR PROBLEMS AND IMPROVE THE ENVIRONMENT!** BIO-SURE'S many micro-types each eat one simple type of waste material. As they feed on waste, they pass the changed parts to other types until wastes are reduced to clear water that flows away, carbon dioxide for trees and other vegetation to return oxygen to people and other animal

life, and nitrogen (nitrates) for the soil. It's part of the Life Cycle!

Now...how much do you spend each year for "drain openers," deodorant cakes, service calls, pumping, clean out and clean up? If you operate an institution or business, estimate the cost of lowered morale and costly training of replacement personnel. Employees don't like to clean up messes from your failing system. Some of these are toxic - dangerous to personnel. How about injuries from falls on greasy floors caused by back-ups? If you look at the directions on retail stores' supposedly low-cost products and try to compute by their instructions how many cans or bottles you'll need to completely clean, then trouble proof your mechanically sound system (if they can claim to do this), and you'll see that BIO-SURE's up-front procedure will give dependable, complete results for far less than the cost of piecemeal purchases and use. Keep the big difference in your pocket or bank account!



Hundreds are in prison today for making counterfeit money. They victimized people by passing imitations of Uncle Sam's real thing. Don't be disillusioned by something that claims to be "like BIO-SURE." For the results you need, use Original BIO-SURE - Imitated, but Never Duplicated.

## WHY BIO-SURE CAN END YOUR PROBLEMS WHEN OTHER METHODS CAN'T!

**CHEMICAL DRAIN OPENERS** are poisons that work against Nature. Gravity keeps these heavy chemicals on the bottoms of pipes. Waste particles attach to the tops of pipes and grow downward, accumulating into blockage causing build-up. Chemicals may melt or burn through a clog on the bottom, but build-up stays above the pipe floor to trap more solids and cause more clogs. Chemicals combine with some melted waste and flow along the bottom, until they cool and harden into a worse form than before. Several layers can become a dam you can't faze with a cable. Or, if chemicals can't melt through a clog, they lie there destroying expensive pipe for you to replace. Even if you could find a chemical that can do what BIO-SURE does, the big quantities you'd need to offset heat loss and dilution would make their cost prohibitive. Even worse, Drain Openers are vastly under-reported killers that also disfigure, maim and blind many people each year.



**DRAIN-CLEANING MACHINES AND CABLES** are partially effective for a short time. None of them can "razor clean" your pipes. They can only poke a little tunnel. Those with a cutting head big enough to reach wall-to-wall, can't go around bends or into smaller pipes, nor cut out hardened buildup. They leave build-up that closes together after the cable is withdrawn, to cause more blockages. Drain machines can also savagely maul operators or bystanders.



For root problems, Challenger Products offers ROCKY BLU, large crystals that stay in place to melt slowly for an effective kill of the roots back to their point of entry. Powders or small crystals can quickly flush past roots without doing their job.

**ENZYMES CAN'T RECYCLE WASTE.** Enzymes can't reproduce, produce bacteria, nor digest solids. Bacteria do. Different bacteria produce different enzymes. In the presence of organic waste and water which activates them, bacteria secrete enzymes (catalysts) through cell wall ports. These split compounds into bits of solids the bacteria digest, leaving other parts for other types present. BIO-SURE has all the bacteria types to produce the enzymes needed to enable digestion of the materials that should go into our drains and systems. As they feed, reproduce and produce their own special separating enzymes, bacteria make the ongoing process economical.

Some companies offer cheap-to-produce high count enzyme or yeast spore products as "safe drain cleaners" to "activate" the bacteria in your system. But most problems happen because systems lack enough of the right bacteria. No amount of enzymes or yeast can activate what you don't have. Enzyme products can stimulate disease and odor causing bacteria (pathogens) that helped cause your problems. They are poor digesters. BIO-SURE micro-organisms are eager digesters that work to crowd out odor and disease causing germs by eliminating their food supply.

"Free enzymes" (without proper digesting bacteria) can separate or loosen large chunks from the buildup and cause major problems. Since enzymes can't digest solids, the waste particles they separate can re-congeal into log jam blockages, overload sewer lines, septic system leach fields, lagoons, and other treatment facilities. "Free enzyme" products are illegal in many places.

**CUTTING EDGE TECHNOLOGY** has produced our friendly bacteria cultures that successfully recycle waste under today's conditions. Go with the only method that is successful with these problems - Biological Recycling. But use professionally proven BIO-SURE.

BIO-SURE attacks to neutralize mouthwash, toothpaste, deodorants, disinfectants and germicides. It digests and liquifies fats, greases, paper, hair, starches, proteins, cellulose, soap, detergents and all organic waste material. BIO-SURE can't instantly eliminate a sudden large blockage (a problem that is rare in clean systems). For continuing service a large accidental or deliberate blockage must be broken up or removed.

BIO-SURE bacteria reproduce, and multiply as they digest waste, giving you many more than you pay for. The instructions tell you how to apply the huge number you need to shock your troubled system out of inertia and into readiness for success. Each bacterium divides and becomes two about every twenty minutes, in ideal conditions.

OK, do the math. Each becomes about three billion in just 24 hours. Every application contains billions, which become TRILLIONS, and on and on. Each recycles its own weight in waste every minute. They finally become part of the food supply when waste is gone. It's easy to see how BIO-SURE can perform the monumental task of removing all the build-up from your system (even a lagoon or treatment plant)- economically!

### DRAINS & PIPES



**PRETREAT YOUR SEPTIC SYSTEM, GREASE TRAP OR OTHER DIGESTER** (if you have them) before you treat your drains. You must "seed" your digester the same day you begin drain treatments, even if it hasn't yet indicated problems. The prescribed initial application to the digester begins to take control with billions. But chemicals and pathogens in the contents kill millions. These losses can overwhelm a large one time application. "BOOSTER SHOTS" of BIO-SURE into every drain gets bacteria past a "beachhead" into full dominance. Follow the first day's drain treatments with four more consecutive days of treatments to get bacteria neutralizing, digesting and multiplying faster than their loss rate. BIO-SURE saturated waste flowing from drain lines provides loss replacement "booster shots" into the digester. As you apply the digester's "booster shots" through all your drains you get a big bonus of also seeding them and your pipes without additional cost.

**TREAT ALL YOUR DRAINS.** They're linked by interconnecting pipes that flow into a sewer, septic system, lagoon or other digester. Treating only "problem" drains or parts of a system makes BIO-SURE work against itself - like rebuilding only one or two cylinders in a car's worn engine, which would overload the rest. Partial treatment causes insufficient numbers of bacteria to try to follow wet waste into untreated areas where they may loosen chunks of waste. Overwhelming accumulations of housekeeping chemicals in untreated areas may overpower them and diminish their ability to digest the solids they break loose, and cause blockage.



**YOUR SEPTIC TANK: A DIGESTER OR HAS IT BECOME A HOLDING TANK?** If you have to pump, your septic system is dead or dying. Pumping can't create Biological Recycling in your tank nor remove build-up that seals over your Leach Field, which can cost you thousands of dollars to replace.

BIO-SURE bacteria restore Biological Recycling in your tank, then flow into your leach field to recycle ALL the build-up there. Given time, BIO-SURE even restores completely failed leach fields. Clean gravel, sand, pipe and

soil will percolate like new again. Of course, we can't make poor soil into excellent percolating soil, but we can make it work and keep it working like it did when new.

**THE SELF-CLEANING GREASE TRAP IS HERE!** Businesses lose big sales dollars from foul odors caused by chemical treatment or clean-out of a grease trap/sump, sometimes much more than the cost of service calls, clean-out and b.o.d. overload penalties. Entering customers are offended by foul odor and leave immediately. Or they save embarrassment by just making a token purchase instead of a meal. With BIO-SURE, you should not have to open a grease trap, if you keep plastic straws, glass and other INorganics out of it.

BIO-SURE also keeps switches, controls and impellers clean, saving replacement of expensive pump motors with switches that stick in the on position and burn out long before wear out.

**LAGOONS OR LARGE DIGESTERS:** Dredging or pumping solid build-up releases terrible odors and dangers. Mechanical removal can break the bottom barrier that holds the water. And how do you get rid of the mess you've removed, without polluting nearby soil and water with it? BIO-SURE can eliminate it safely, usually for less than the sales tax on physical removal.

**DETHATCH GRASS,** with a special BIO-SURE blend. Eliminate solids, odors and algae that require costly, heavy fertilizer and chemical usage to prevent algae and fungus growth on grass watered from ponds.

**NO SKULL AND CROSSBONES** on BIO-SURE's label. It's NON-poisonous. It produces no toxic effects. It can't act on INorganic material or normal living plant or animal tissue, so BIO-SURE is safe around plants, pets, people and plumbing. Use it in your garbage disposer to keep it cutting cleanly to last longer and be odor free. Users on average size septic tanks can even have a garbage disposer by using BIO-SURE, which soon digests bulky slow digesting cellulose fibre that otherwise builds into a pyramid under the tank inlet to block it.

#### LEACH FIELDS



AFTER

#### SEPTIC TANKS



AFTER



AFTER

#### LAGOONS



AFTER



AFTER

## THE BIO-SURE METHOD IS FOUR EASY STEPS

Follow them, and BIO-SURE's Guarantee protects you. Ignore them, and you'll get incomplete results and void your guarantee.

**1 GET THE CORRECT AMOUNT BEFORE YOU BEGIN.** Factory-trained BIO-SURE dealers prescribe the correct amount for different sizes and types of systems. Challenger Products Corporation appoints dealers of high integrity, who don't wish to jeopardize their dealerships by letting you purchase less than your system needs. The chart on the back of this brochure shows you how to prescribe. Or, contact Challenger about large or complicated systems.

**2 RESTORE YOUR WHOLE SYSTEM,** following BIO-SURE's instructions exactly. They're the result of nearly 40 years of in-the-field experience with how bacteria work in the "real world" - not just laboratory theory and projections.

**3 BE PATIENT.** The build-up that caused your problems took months or years to accumulate. BIO-SURE will remove it much faster than it built up, but not overnight. Complete RESTORATION may take several weeks, but most users see marked improvement in five to ten days.

**YOUR DRAINS AND SYSTEM WILL FAIL AGAIN UNLESS** you PREVENT it after you RESTORE it like new. You must replace recyclers lost to continued use of chemicals and other causes, or your system will refill with undigested waste. The maintenance calendar on your Instruction Sheet tells you how much and when to make periodic replace-

ments. This will keep digesters trouble-free, and your drains and pipes too. It costs much less than another pumping or repeating the RESTORE procedure.

**BIO-SURE REALLY WORKS,** but it can't produce complete results in a closed experimental container. Bacterial recycling requires the following environmental conditions: an actual system with water flow to carry away their by-products of Biological Recycling, protection from ultraviolet light, a water temperature between 32 and 120 degrees Fahrenheit, and a reasonably mid-range PH. Most systems that haven't been too badly abused have these conditions. The instructions inside the container tell you how to correct difficult conditions.

**BIO-SURE WILL WORK FOR YOU,** as it has for hundreds of thousands - IF you use it as directed. Then, we will back you with a Guarantee that promises to refund your money OR to find out what conditions in your system are keeping BIO-SURE from working so you can correct them - whichever you REALLY want. Note that the claim is that BIO-SURE eliminates the problems, not that it "works to aid" or "helps" or some other vague statement. BIO-SURE eliminates the cause of failures. We couldn't have stayed in business with a promise and a guarantee like this if BIO-SURE didn't work. So how can you lose?

## WHAT YOU NEED FOR RESTORATION AND INITIAL MAINTENANCE PERIOD

(Remember: After the RESTORE period, you'll need much less BIO-SURE to PREVENT troubles and expenses.)

### TREAT YOUR WHOLE SYSTEM

**HOME DRAINS:** 4 lbs for drains, pipes and lines in homes of 3 or fewer bathrooms (to RESTORE them to the sewer main or disposal facility).

**COMMERCIAL, INSTITUTIONAL DRAINS:** 4 lbs for every 10 drains (apply to every drain in building, even those seldom used).

**SEPTIC SYSTEMS:** Leach field/septic tank 1,000 gallons or less: requires 4 lbs in addition to the amount needed for drain applications. Leach field/septic tank 1,000 gallons to 2,000 gallons: requires additional 8 lbs.

**GREASE TRAPS:** Initially 1lb. to 20 gal. capacity, 2 lb. for 20-250 gal. capacity, and 4 lbs. for 250-500 gallons capacity, containing ample water.

**LAGOONS OR TREATMENT PLANTS:** Contact your supplier or Challenger Products Corp.

**LARGE, COMPLICATED or BADLY ABUSED SYSTEMS:** Contact your supplier or call Challenger Products at 800/932-8436.

**BIO-SURE DOES NOT TEMPORARILY MASK ODORS – It ELIMINATES the CAUSE of odors and stoppages in garbage disposers, drinking fountains, A/C condensate drains, urinals, meat/dairy/produce cases; removes mass and odors from human and animal waste lagoons. Makes great compost, too. USDA and plumber approved.**

## LETTERS FROM OUR FILES . . .

*"I told the interested party about the integrity of your product and what it contains...sort of an endorsement from me."*

**JAMES E. BLAIR,  
BIOCHEMIST, PENNSYLVANIA**

(Received First U.S. Patent for New Life Form)

*"Great product. Thanks!"*

**MANAGER,  
MAJOR FAST FOOD CHAIN, TEXAS**

*"My septic system was CON-  
DEMNED..."*

*I used your BIO-SURE for four months as you advised me...The County Health Department could not believe their eyes..."*

**J.G.G., INSURANCE EXECUTIVE, OHIO**

*"We have used your product,  
BIO-SURE, for two years...Quite a  
savings in maintenance cost."*

**M.L., FIRE CHIEF, KANSAS**

*"Every promise you have made regarding  
your product has proven true!"*

**C.W.S., PLUMBER, WISCONSIN**

*"You have an excellent product or you  
wouldn't (still) be there."*

**R.M.H., PLUMBER, COLORADO**

*"The Best Product I have found in my  
40 years of Plumbing, Heating and  
Electrical Business."*

**R.H.M., PLUMBER, OHIO**

## OUR UNIQUE GUARANTEE

If results are unsatisfactory, Seller has agreed to refund your purchase price OR help you find out why BIO-SURE is not working, so it can work – whichever you really want. BIO-SURE must be used by our instructions for at least 60 days before Seller is authorized to make refund. This Guarantee expires 6 months from date of purchase. Return unused portion or empty containers to your Dealer with proof of purchase and sign a receipt for credit or refund. Seller must return these to Supplier to receive product replacement. Don't allow Seller to supply less than amount required for "purge" and first six months of Maintenance Applications. Obtaining less nullifies this Guarantee, leaving Seller liable, and jeopardizing his Authorized Dealership. As BIO-SURE does not act on normal living tissue or inorganic materials, Warrantor shall not be liable for any claims for consequential damage to property, people, pets or plants.



**BIO-SURE®**  
**BIOLOGICAL  
WASTE RECYCLER**



*High-Tech Ecology For Thirty Five Years!*

## CHALLENGER PRODUCTS CORPORATION

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**For quantities, pricing, and our Order Form, Click Here**