

WHAT IS BIO-CLEAN?

BIO-CLEAN is a blend of beneficial bacteria and enzymes. The bacteria are natural, not genetically-engineered. The enzyme concentration is the most powerful on the market.

BIO-CLEAN breaks down animal and vegetable matter by these enzymes and bacteria. It contains specific types of bacteria that will use for their food the grease, hair, soap and all the organic waste that tend to clog drains and plug septic beds. The enzymes "prepare" the food for the bacteria by breaking the large molecules down into a size that the bacteria can "digest".

HOW TO USE BIO-CLEAN

In Nature all animal and vegetable matter, from insects to mighty oaks, is broken down and recycled into plant food by enzymes and bacteria. **BIO-CLEAN** uses this same principle to biodegrade animal and vegetable waste in pipes.

Like all living things, bacteria must eat to survive. Fortunately certain types of bacteria will use for food the grease, hair, soap film and all the organic waste that tend to clog peoples drains.

Enzymes act like short order cooks. They prepare food for bacteria by breaking large molecules down into a size the bacteria can "swallow." Each enzyme works on one specific type of molecule. For example, the protease enzyme only works on protein. Lipase works only on fats.

The bacteria in **BIO-CLEAN** are dormant while in the jar. When mixed with water they come to life in about 30 minutes. In the meantime the enzymes are breaking down the waste. They are very fast. In fact, they work on contact. When the bacteria revive they are hungry. Each one eats its weight of waste every minute - and they never sleep! As a result of eating and growing they start to multiply through cell division. Their number will double every 30 minutes under favorable conditions.

BIO-CLEAN should be mixed with warm (not hot) water and applied when no water will be drained for six to eight hours. This allows some of the bacteria time to embed themselves into the waste so they won't be washed out when water is drained again. Complete instructions are inside each container.

Periodic maintenance treatments prevent new organic waste build-up, so no more slow drains or clogs!

SEPTICS

Most septic systems in operation today are not functioning well. The tanks need pumping frequently because of solids build up. All too often the fields stop absorbing water prematurely. The number one reason is the vast array of household chemicals which either inhibit or kill biological action. The coliform bacteria normally present in sewage are in no way equal to present day demands. They are poor enzyme producers. They cannot handle synthetic materials present in detergents even under the best conditions.

BIO-CLEAN contains not only potent enzymes, but also contains bacteria that outperform the coliform species in very important ways. They are high producers of enzymes and they are acclimated so that they feed on a larger variety of materials in the waste such as fats and grease, vegetable oil, paper, detergents, fabric softeners, aliphatic and aromatic organic compounds as well as synthetic organics.

Chemicals, bleaches, detergents, food preservatives and bowl cleaners inhibit or kill bacterial action within your system. This lets solids accumulate in the tank, some of which flow out and clog the drain field. **BIO-CLEAN** will restore the necessary bacterial action and make your system work at full efficiency!

- People on a septic system must select their cleaning products very carefully.
- For a list of recommended cleaning products, consult an authorized Bio-Clean dealer.

GARBAGE DISPOSALS

Odors come from waste that sticks to the disposal wall and slowly molds and rots. It is hurled there by the high speed rotating blades. By following **BIO-CLEAN** instructions this waste will be quickly digested by the live cultures, thus eliminating the odor.

SUMPS WITH PUMPS

When ground water accumulates in sumps, odors may be noticeable. This is especially true if household or sanitary waste is present. **BIO-CLEAN** eliminates the odour by quickly digesting organic material in the waste water. Pumps will require less energy when the rotor, housing and lines are free of build-up. Lower energy costs and longer pump life are added bonuses for using **BIO-CLEAN**.

OUTHOUSES AND VAULTS

Mention an outhouse and the first thing that pops to mind is ODOUR! **BIO-CLEAN** turns the waste into water and carbon dioxide very quickly. This dramatically reduces odour and flies. Cleaning and disposal of the pit become far easier and is more pleasant for the user, too.

R.V. & BOAT HOLDING TANKS

As the waste water level increases in the tank some scum adheres to the sides and sensor. When the tank is drained, more scum is deposited. With continued use, this coating becomes odorous. It is additional weight and reduces tank capacity. There is no large access to the tank and the build-up is so great that clean-up is difficult and time consuming. So much so that replacing the tank is often less expensive!

R.Ver's using chemicals in their tank are also encountering the new problem of not being able to dispose of their chemically treated waste at many dump stations. Waste water treatment plants do not want this chemical toxicity in their plants, so they charge dump stations large fines.

If **BIO-CLEAN** is used from the beginning, a tank will drain cleanly, including the sensor, if there is one. Using **BIO-CLEAN** in a tank previously treated with chemicals will take larger doses and some time to overcome the toxicity. It will, however, remove the old build-up. Waste from tanks treated with **BIO-CLEAN** is accepted anywhere because it is biologically active.