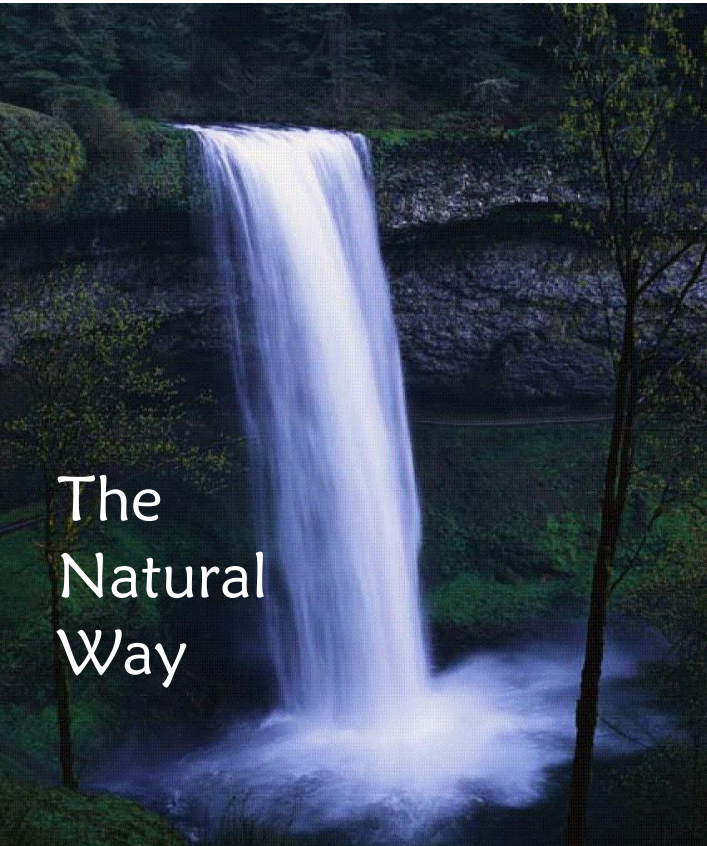


BIO-ZYMES

With an Electron Acceptor TRAP & DRAIN CLEANER



The
Natural
Way

Benefits

- ◆ Eliminate organic fouling of system line
- ◆ Cultures grow in either the presence or absence of oxygen
- ◆ Rapidly degrades grease
- ◆ Controls odors by degrading malodorous volatile fatty acids produced in septic or anaerobic environments
- ◆ Environmentally friendly formulation that won't damaged pipes and traps
- ◆ Eliminate costly system backups and related incidents

Description

BIO-ZYMES is a ready-to-use bacterial formulation specifically developed for application to industrial trap and drain systems. **BIO-ZYMES** contains a synergistic blend of bacteria selectively adapted to degrade exceptionally high loadings of grease, fats and oils at accelerated rates.

BIO-ZYMES is excellent for maintenance of traps and drains where grease, oil, protein or starch buildup cause clogging problems. Unlike any other product **BIO-ZYMES** contains multiple bacterial strains with accelerated digestive capabilities of grease, fats, and oils which build up in the system. Each strain has been selectively adapted to specifically degrade difficult to non-biodegradable organic compounds. These bacteria assure good long-term operation when used on a regular basis.

BIO-ZYMES contains a proprietary ingredient, which prevents the formation of H_2S by sulfate reducing bacteria in the anaerobic environments typically found in drain lines and grease traps.

Difficult application sites usually associated with exceptionally high grease loadings and anoxic/anaerobic conditions have proven the most difficult applications until the introduction of **BIO-ZYMES**. Synergistically blended with Brighton Industries bacteria are nutrient accelerators and alternate electron acceptors to enhance performance over a wide range of conditions including anoxic conditions. **BIO-ZYMES** is capable of both aerobic and anoxic respiration.

BIO-ZYMES is completely biodegradable within the treatment system and does not present the environmental hazards associated with chemical solvents and degreasers. With **BIO-ZYMES** oil and grease are broken down by biological mechanisms that minimize or eliminate related maintenance problems and high costs.

Features

- ◆ Eliminates fats, oil, and grease
- ◆ Eliminates sulfate reduction to H₂S with resulting odors and corrosion
- ◆ Is effective in low D.O. situations
- ◆ Maximizes activity in short-retention, high temperature grease trap environments

Characteristics

Biological	Physical
Bacterial strains	Appearance.....Amber Liquid
...protein digesting	Odor.....Earthy
...starch digesting	Specific gravity.....1
...detergent digesting	pH.....Neutral
...cellulose digesting	Effective pH range.....4.25-10.0
...fat and grease digesting	Effective temperature range.....39°-140°F
...hydrocarbon digesting	Standard packaging.....5 and 55 gal. drums
...phenol digesting	Shelf life.....1 Year

Bacterial count ≥750 billion cfu/gallon

Optimum Conditions for Use

Bacteria in **BIO-ZYMES** perform within a pH range of 4.0 to 11.0 with the optimum pH range 6.5 to 7.8 Temperature affects the activity of the working solution and action increases with rising temperatures up to 140°F. No activity can be expected below 39°F. (40°C.)

Storage and Handling

Storage.....Store in a cool, dry place. Do not freeze.

Handling.....Avoid excessive inhalation.

Wash hands with warm, soapy water after handling.

Recommended Dosage Schedule

Every system is different and must be treated according to its specific organic mix and operational parameters.



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