



## Microbial vs Chemical Products

In this era of ever-increasing concern for the environment, there is no need for toxic chemicals when natural, green alternatives exist. Microbial products are able to break down organic matter into its simplest form of H<sub>2</sub>O and CO<sub>2</sub> and do not create any harmful environmental by-products. Once the organic matter is degraded, a clean, fresh environment is all that remains. These products are safe for both the environment and the user. Microbial-type cleaners work best over a period of time, providing a natural biofilm that attaches to a surface to provide continual organic matter decomposition.

Review the advantages that there Microbial based products provide versus harmful chemicals:

### Microbial Cultured Products:

- Are harmless to pipes and traps
- Do not damage biological treatment systems as do highly caustic or acidic cleaners
- Reactivate septic aerobic treatment systems
- Help stabilize pH issues due to the oxidation of certain organic acids
- Continue to act for hours and days after initial application by multiplying to produce more digestive enzymes
- Are non-caustic and non-poisonous to pets and fish for increased user safety
- Are environmentally safe, containing biodegradable components and naturally occurring bacteria
- Add no appreciable phosphates
- Do not accumulate in groundwater aquifers and do not contain harmful chlorinated solvents

### Chemical Products:

- Corrode and damage pipes and equipment
- Harm biological treatment systems
- Harm and suppress septic aerobic treatment systems
- Create and worsen pH issues
- Are not continually effective
- Are toxic and dangerous to fish, pets, and users
- Are harmful to the environment
- Add appreciable phosphates
- Accumulate in groundwater aquifers and contain harmful solvents

Microbial cultured products are a liquid blend of natural bacteria, enzymes, and surfactants for use in maintaining, cleaning, and deodorizing. They are formulated for ease of cleaning and removal of fats, oil, greases, starches, proteins, etc. which accumulate in toilets, drains, traps, plumbing systems, and septic tanks and to suppress the odors that result from such accumulations.

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