

# DRAIN GUARD A-9023

## Bacterial - Enzymatic Treatment of Drain Pipes and Septic Systems

### DESCRIPTION

**DRAIN GUARD** is the next generation bio-engineered bacterial enzyme drain maintenance solution combining the most resistant fast growing bacteria with highly effective combination of enzymes to liquefy and digest grease, fats, starches, proteins, cellulose, sludge and vegetable matter so as to maintain drains, pipes, traps and septic systems free flowing.

**DRAIN GUARD** contains no pathogenic organisms and only biodegradables additives, it adds to the natural environment and does not contribute to pollution in any way.

### APPLICATION

**DRAIN GUARD** provides maximum bacterial action in all food handling, and food processing operations in restaurant, hospitals, hotels, supermarkets and food processors where traps and septic systems need constant maintenance.

**DRAIN GUARD** is also be used in aircraft galley lines to prevent pipes blockages and malodours caused by the accumulation of organic deposits and bacteria due to the disposal of beverages, coffee, milk, juice and carbonated drinks.

### PRODUCT BENEFITS

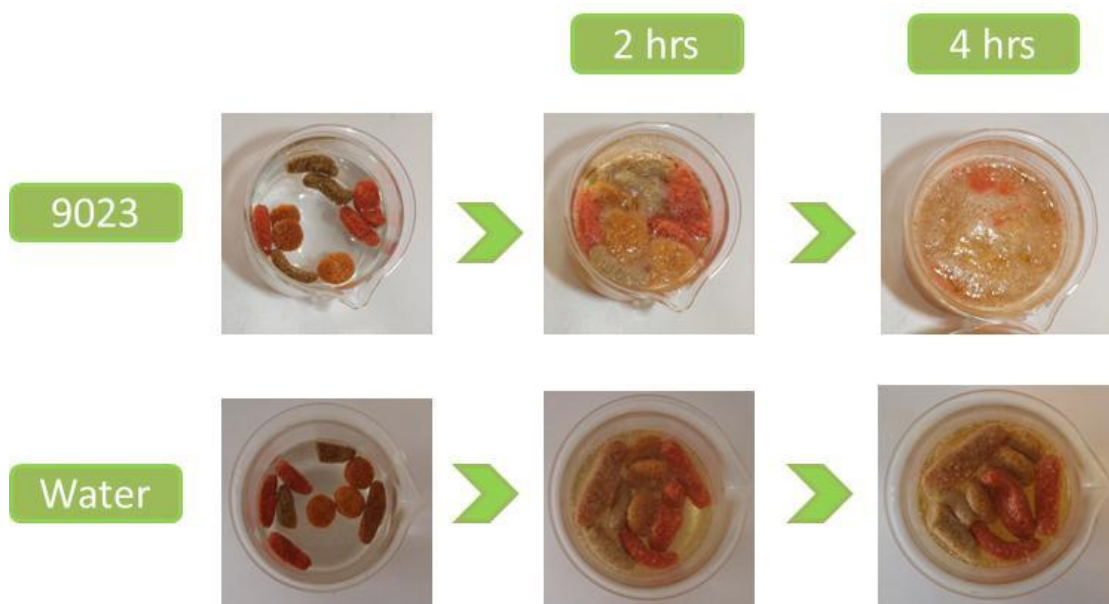
- Biologically active.
- Contains powerful strains of active bacterias that grow rapidly under all conditions.
- Contains non-genetically modified micro-organisms from natural origin.
- Keeps all drains clog free, clears water traps & plumbing.
- Eliminates pipe sludge build up, liquefying grease, fats, paper & solid wastes naturally.
- Eliminates & kills bacteria, fungus and germ breeding grounds.
- Keeps drains odour free.
- Significantly reduces COD level.
- Suppression of emergency intervention through mechanical cleaning.
- Saves expensive maintenance and labour.
- Will not corrode or damage plumbing.
- Improves working environment.
- 24 Hours active maintenance treatment.
- Neutral Ph.
- Non-hazardous.
- Biodegradable.

### PHYSICAL PROPERTIES

|                               |  |
|-------------------------------|--|
| Appearance.....               | Liquid   |
| Colour .....                  | Opaque Light Orange  |
| Odour .....                   | Sweet Orange   |
| Specific Gravity @ 25°C ..... | 1.000 ± 0.03   |
| pH .....                      | 7.5 ± 0.5  |
| Flammability.....             | Non-flammable  |
| Operating Temperature .....   | 15 to 30°C   |
| Bacteria Count .....          | 5.4 x 10 <sup>7</sup> ufc/mL   |
| Composition .....             | Blend of spores bacillus with amylase and Lipase enzymes with biodegradable surfactant |

**Efficiency of DRAIN GUARD on Starch**

To visually demonstrate the degradation of starch by **DRAIN GUARD** a piece of starch (which is a piece of dog food) was used as model. Starch pieces were placed in beakers and after 4 hours of treatment the aspect of the pieces of starch is observed.



The pieces of dog food are totally degraded by using **DRAIN GUARD**.

**DIRECTIONS FOR USE**

In a multi-story building, always begin a drain cleaning maintenance program on the lower floors to prevent clogging of lower level pipes with residue from upper levels.

**Do not use DRAIN GUARD simultaneously with bleach, acid, strong alkali, or chlorinated dish washing compounds.**

Always apply **DRAIN GUARD** at the lowest water flow period, usually at night.

In systems with grease traps, initiates treatment by adding 1 liter of **DRAIN GUARD** directly to the grease trap, last thing at night. Pour half over the surface of the grease and half mixed with water. Add 360 – 720 ml daily to the sink or drains leading to the trap. This will clean the lines while building an active bio-enzymes system in the trap. Avoid dishwasher discharge coming in direct contact with **DRAIN GUARD**.

**KITCHEN DRAIN LINES**

Add 120 – 240 ml to each trap each day when kitchen closes down.

**BATHROOM AND SHOWER DRAINS**

Add 180 – 240 ml to each trap once a week to digest soap scum and hair build up.

**SEPTIC SYSTEMS**

Add 1 liter of DRAIN GUARD to initial activation. Add 1-2 liters per week to maintain activity.

**AIRCRAFT GALLEY LINES**

Add 1liter to each line weekly to digest organic deposits build up in pipes.

**STORAGE & SAFETY**

Two years, stored in closed original packaging at ambient temperature. Avoid contact with skin and eyes. Wear safety glasses if splashing is likely to occur. Wear rubber gloves if prolonged skin contact is expected. In case of contact with eyes, immediately flush with running water for at least 15 minutes. Seek medical attention if effects persist. If swallowed, DO NOT induce vomiting, give water to drink. Seek medical attention.

*For further information please refer to the Material Safety Data Sheet.*

**PACKAGING**

Ref: A-9023-J3.....Pail 10L

**WARRANTY**

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