

## Bacta-Pur® KLEAN SEPTIC Residential Septic System Treatment © 2012

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*ECOPROBIOTICS®, of the Bacta-Pur® System, are beneficial communities of natural bacteria, which have been on earth for millions of years and have been selected for their synergistic ability to biodegrade pollutants and to improve water quality. ECOPROBIOTICS® increase biodiversity. Just as people take probiotic yogurt for its' ability to assure the presence of the optimal community for digestion and immunity, ECOPROBIOTICS® improve ecosystem health. EVERY PRODUCTION of Bacta-Pur® products is analyzed and cleared for shipment ONLY after passing all performance tests and being CERTIFIED PATHOGEN FREE using techniques from the food industry. ECOPROBIOTICS® are purely natural and beneficial; they NEVER contain added chemicals such as surfactants, emulsifiers or enzymes..., nor do they contain genetically modified (GMO) or deliberately mutated organisms. ECOPROBIOTICS® are safe and beneficial. Bacta-Pur® microorganisms are not subject to TOSCA (USEPA) and are listed on the DSL of Environment Canada.*

Summary	
SYMPTOMS / PROBLEMS	TREATMENT BENEFITS
• puddles of water on leach field	• increase percolation and eliminate puddling / ponding
• grease accumulation in tank and leach field	• biodegrade grease
• drains back up due to blocked septic system	• digest grease in septic systems
• noxious odors coming from septic tank & leach field	• control causes of noxious odors
• excess phosphorus coming leach field	• reduce soluble phosphorus, which pollutes streams & lakes
• leach field not removing ammonia	• provide microbes, which remove toxic ammonia

### Causes of Problems

Clogged leach fields are very expensive to repair or replace. Grease causes blockages of the pipes and the field. Water is no longer percolates into the ground and comes to the surface bringing noxious odors with it.

The microbes in septic systems largely come from digestive tracts, where conditions are very different than in a septic tank or leach field. Bacteria found in digestive tracts do not grow in the very different conditions of pH and temperature in a septic system or leach field; the ones needed to protect the environment are not found in disinfected drinking water. Thus septic systems lack the necessary community for optimal function and longevity.

### Why the Bacta-Pur® System is Safe & Effective

ECOPROBIOTICS®, the “yogurt” for Mother Nature, improve ecosystem health (ecoimmunity®) & increase biodiversity; they are purely natural & beneficial & NEVER contain added chemicals such as surfactants, emulsifiers or enzymes... Bacta-Pur® KLEAN SEPTIC, one of the ECOPROBIOTICS®, contains natural beneficial microorganisms (never genetically modified), which digest grease, sludge & a multitude of pollutants (including ammonia). Bacta-Pur® KLEAN SEPTIC helps prevent drain back-ups, improves/maintains good leach field percolation, prevents causes of noxious odors & reduces soluble phosphorus, which causes proliferation of aquatic weeds & algae.



**INCLUDES NITRIFYING BACTERIA TO REMOVE TOXIC AMMONIA  
INCLUDES DENITRIFYING BACTERIA TO REMOVE NITRATE**



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EVERY PRODUCTION is performance verified & cleared, for use, only when CERTIFIED PATHOGEN FREE using techniques from the food industry. Massachusetts TITLE V approved.

### **Preventive Maintenance with Bacta-Pur® KLEAN SEPTIC**

1 bottle/3 months/ single family residence. Simply shake & pour in a toilet. Bleach or other disinfectants will inactivate Bacta-Pur®; do not use them together. Bacta-Pur® KLEAN SEPTIC is designed to work in conjunction with Bacta-Pur® KLEAN DRAIN: only 15 ml (one tablespoon) / drain / WEEK. Protect your home drains and septic system.

#### **NOTES:**

Bacta-Pur® KLEAN SEPTIC will not dissolve roots, clay, silt, stones or plastic material. Therefore, if a block in the line is determined to be caused by this kind of material, it will be necessary to have the line opened mechanically prior to treatment with Bacta-Pur® KLEAN SEPTIC. After removing the physical blockage, treat as above. Bacta-Pur® KLEAN SEPTIC cannot be effective if the leaching field has been improperly installed with respect to the water table.

Follow local regulations with respect to emptying septic tank.

A septic tank used in conjunction with a water softener may experience problems with the leach field due to inorganic salt build-up in the pores of the leach field. This build-up is the result of the regeneration of the softener with brine. During the regeneration process, the metal ions of calcium, magnesium, iron and other constituents of the local water are washed off of the softener and flow into the septic system. If they are not contained by the septic tank these metals will precipitate as their phosphates, hydroxides or sulfates and block the leach bed. The use of Bacta-Pur® KLEAN SEPTIC will have little impact on the leach beds whose pores are filled with inorganic salts.

**Help yourself and the environment with Bacta-Pur®.**



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