

Form: Powder — Biological Enzyme Treatment**Use:** Septic Tanks | Drain Lines | Sewer Systems**Shelf Life:** 12 Months | Available: 5 kg, 20 kg

GEARTH BioFlow Septic is a potent, enzyme-producing biological treatment formulated for septic tanks, septic systems and drain lines. It digests solid waste, reduces foul odours and keeps systems flowing naturally. The treatment is supplied as a powder containing a special and proprietary blend of aerobic and facultative anaerobic bacteria which rapidly produce a wide variety of enzymes to degrade waste.

Drain lines and septic systems are particularly susceptible to the rapid accumulation of fats, oils and greases (FOGs), which cause progressive blockages and expensive system failures. GEARTH BioFlow Septic contains unique enzyme-producing bacterial microorganisms that actively feed on and totally eliminate waste, with by-products of carbon dioxide and water.

1 GREEN ENZYME TECHNOLOGY

The bacterial cultures in GEARTH BioFlow Septic are uniquely cultivated from South African soils, giving them a significant home-ground performance advantage — they metabolise faster, reproduce more rapidly and survive for longer than imported or synthetically derived alternatives. The powder is specifically engineered to be naturally tolerant of harsh chemicals and detergents that would destroy traditional enzyme and bacterial products.

2 KEY FEATURES & BENEFITS

- Eliminates foul odours from septic systems and drain lines
- Bioremediates and digests solid waste — by-products are CO₂ and water
- Naturally restores septic system health and biological balance
- Keeps drain and septic lines flowing freely
- Treats sewer spills and overflows — controls cholera and typhoid risk
- Massive cost savings over physical pumping and chemical methods
- Eliminates the need for expensive plumbing contractors and honey suckers
- Reduces pathogenic disease-causing organisms via Competitive Exclusion
- Naturally tolerant of harsh chemicals, bleaches and anti-bacterial agents

3 SEWER OVERFLOWS & SPILL RESPONSE

When sewer drain lines become blocked, raw sewage spills into surrounding areas and presents a significant public health hazard. GEARTH BioFlow Septic powder can be sprinkled directly over sewage spills to immediately contain the problem and suppress odours, with pathogens controlled through Competitive Exclusion. Sewer line blockages are almost always caused by Fat, Oil and Grease (FOG) accumulations, making the product ideal for shock dosing directly into affected lines.

4 DIRECTIONS FOR USE

Dissolve the required dose in 2–5 litres of warm water. Pour the solution down basins, showers or baths, or flush it down toilets. Alternate the outlet used with each application to achieve a multiple-point treatment effect. Dose after hours or at night for best results.

5 DOSAGE GUIDELINES

Shock Dose	250 g to 1 kg per 1 000 L of septic tank capacity — at commencement of treatment or when system is severely compromised
Maintenance Dose	100 g per 1 000 L of septic tank capacity — weekly until results are achieved, then reduce to monthly maintenance dosing
Sewer Spill Response	Sprinkle powder directly over spill area to contain odours and begin bioremediation immediately

6 TECHNICAL SPECIFICATIONS

Physical State	Powder
Solubility	Dissolve in 2–5 litres of warm water prior to application
Formulation Type	Proprietary blend of aerobic and facultative anaerobic bacteria; enzyme-producing biological treatment
Bacterial Origin	Uniquely cultivated from South African soils — enhanced local performance, faster metabolism, quicker reproduction, longer survival
Waste Conversion	Bacteria feed on and totally eliminate organic waste; by-products are carbon dioxide and water
Chemical Tolerance	Naturally engineered to tolerate harsh chemicals, bleaches, biocides and anti-bacterial agents
Target Waste	Fats, oils and greases (FOGs); solid organic waste; hydrocarbon-based deposits in pipes, tanks and drain lines
Applications	Septic tanks, septic systems, drain lines, leach drains, sewer lines, sewer spill response, pit latrines (via bulk repackaging)
Toxicity	Totally safe — natural biological treatment

7 STORAGE & SHELF LIFE

Shelf Life	12 months from date of manufacture.
Storage Conditions	Store at ambient temperature, away from direct sunlight. Keep container sealed when not in use.

8 PACKAGING

5 kg	Standard bucket
20 kg	Bulk bag — available for simple self-manufacturing and repackaging for pit latrine applications

9 ENVIRONMENTAL INFORMATION

- Totally safe biological treatment — nature's own method of organic waste digestion.

- By-products of the bioremediation process are carbon dioxide and water only.
- Eliminates the need for dangerous chemicals, honey suckers and hazardous waste disposal.
- Reduces pathogenic disease-causing organisms through Competitive Exclusion.
- EcoChoice Approved.

The information contained in this Technical Data Sheet is based on data believed to be accurate at the time of publication. GEARTH (Pty) Ltd reserves the right to update or revise specifications without prior notice. Users are responsible for determining the suitability of this product for their specific application. Always handle products in accordance with applicable health, safety and environmental legislation. Contact GEARTH (Pty) Ltd for site-specific application guidance.