



Septic Treatment



Australian Owned
Made in the USA

- ✓ Helps Prevent Septic Backups
- ✓ Safe for Toilets & Plumbing
- ✓ Increases Bacterial Colonisation that Promotes Biodegradation
- ✓ Eco-Friendly, Non-Hazardous & Non-Corrosive

BioProtect™ Septic Treatment is an environmentally safe and user friendly biological treatment for the control of odour and breakdown of organic material. Powered by *Bacillus subtilis*, a natural, non-pathogenic and non-toxicogenic bacterium that cleans or removes dirt, soil, dust, debris, and inanimate solids, including scum, nutrients, organic particles and contaminants.

BioProtect™ Septic Treatment contains a unique combination of bacterium, lipopeptides and other bio-actives that combine to create a probiotic power punch ideal for septic tanks.

This unique combination increases the ability to accelerate the performance of digesting waste. It also improves its tolerance to extreme environments, which is one of the major difficulties with typical waste digesting bacteria.

Powerful: As a liquid, it penetrates hard to reach places coating the surface with a protective biofilm unique to *Bacillus subtilis*. For use in drains, sewers and septic tank systems to prevent blockages and odour caused by fats, oil, grease and organic wastes.

Natural: A powerful probiotic bacterium, *Bacillus subtilis* is found around the world protecting all plant roots. It is environmentally friendly and necessary to life.

Biodegrading action: *Bacillus subtilis* is the bio-active that biodegrades substances found in septic tank systems. It prevents the build-up of fat, grease and oils, and rapidly breaks down organic matter.

Safe: Blended as an extremely safe, pourable liquid product, non-toxic and considered non-pathogenic. No Personal Protective Equipment (PPE) required for application.

Application Protocol

BioProtect™ Septic Treatment builds a bacterial colony in the septic tank that reduces odour and breaks down organic material, preventing backups and increasing efficiency.

Initial Week - Shock Treatment

Apply 100mL of Septic Treatment directly into drains and toilets every other day for the first week.

Ensure that every toilet or drain that feeds into the septic tank is treated in the initial week.

This will clear any residual organic build-up in the system and ensure a strong microbial colony is established in the system.

Ongoing Treatment

Apply 100mL of Septic Treatment into a toilet or drain on a weekly basis.

Every 6 Months

Repeat shock treatment

Recommended Applications

- Suitable for Residential and Commercial Systems
- All Floor Drains
- All Sink and Basin Drains
- Bath Drains
- Shower Drains
- Grease Traps
- Sludge Tanks
- Septic Tanks
- Urinals
- Blockages



Bacillus subtilis is considered a safe, benign organism. Both the American Society of Microbiology and US-FDA classify BioProtect™ Septic Treatment as a Generally Regarded As Safe: "GRAS" organism. This means it can be safely handled by employees and customers without concern for their health or the environment.

Toxicology Testing



Safe for Customers and Employees

- ✓ Acute Dermal Toxicity Study OECD 402
- ✓ Acute Inhalation Study OECD 403
- ✓ Acute Dermal Irritation/Corrosion Study OECD 404
- ✓ Acute Eye Irritation/Corrosion Study OECD 405
- ✓ Acute Skin Sensitization Study OECD 406
- ✓ Acute Oral Toxicity Study OECD 425



Safe for the Environment

- ✓ Fresh Water Alga Cyanobacteria Growth Inhibition Study OECD 201
- ✓ 48 Hour Acute Toxicity to Daphnia Magna OECD 202
- ✓ 96 Hour Acute Toxicity to Danio Rerio OECD 203



Toxicology and Efficacy Test Data Available on Request

Benefits & Comparison

BioProtect™ Septic Treatment

- ✓ Increases probiotic bacterial colonies in septic tanks
- ✓ Increases bio-degradation and breakdown of solids
- ✓ Helps eliminate and control foul odours
- ✓ Safe for all plumbing systems - non-corrosive
- ✓ Environmentally friendly
- ✓ Grey water safe
- ✓ Bleach and chlorine free
- ✓ Breaks down struvite and uric salts

Competing Products

- Kills probiotic bacteria that promote organic degradation
- Emulsifies solids but does not break down
- Can leave foul smells untouched, or just masks them
- Can harm and deteriorate pipes over time
- Can contain toxic bleach or caustic soda
- Some are not suitable for use as grey water
- Can contain corrosive substances
- Most have no effect on struvite build-up