



BIO CLEANING SOLUTIONS

GreenWorx
CLEANING SOLUTIONS

*Bio Tech GTX 10 FF Concentrate
Application for - Mould and Mildew Elimination*

Multi-purpose bio-formulation for mould and mildew elimination

Mould's unpleasant appearance and smell are just the beginning. The toxins released from mould enter the human body and cause numerous problems, ranging from fatigue and trouble breathing to respiratory failure and death. Is it something to ignore? No. Clean your home! But there are no chemicals required...

Bio Tech GTX 10 Mould & Mildew Eliminator microbial consortium demonstrates superior bio-enzyme performance for use in multiple applications. It exhibits a broad range of degradation capabilities needed for a multi-purpose product efficacious in the elimination and maintenance of mould and mildew cleaning and odour control, making this product technologically the most advanced on the South African market.

In their natural environment, bacteria produce hundreds of enzymes in response to the organics present in their environment. They produce extracellular enzymes that break down proteins, starches, fats, oils, greases into smaller particles outside the bacterial cell. The bacteria then transport the smaller particles across their cell membrane for use as an energy source and for building of new cellular components. Since bacteria detect the organics present as potential food and produce specific enzymes to breakdown these organics, it is a very efficient system. Many different enzymes are required to completely breakdown a substrate.

The bacillus consortium in **Bio Tech GTX 10 Mould & Mildew Eliminator** produces seven separate enzymes to ensure a swift degradation of key organic contaminants to ensure mold and mildew are biologically eliminated, cleaned and odours are controlled. Although many bacteria can utilise these organics as food sources, it is the bacteria with the most rapid production of these enzymes that provide the most dramatic effects.

Safety of Bio Tech GTX 10 Mould & Mildew Eliminator Consortium:

Bio Tech GTX 10 Mould & Mildew Eliminator contains a blend of safe Bacillus microorganisms. Toxicity studies done by an independent laboratory show that it has no acute oral toxicity, no acute dermal toxicity, and no acute inhalation toxicity at maximal test dose. Acute dermal irritation and acute eye irritation studies classify **Bio Tech GTX 10 Mould & Mildew Eliminator** consortium as non-irritating; the consortium does not elicit a skin sensitisation reaction.

DATA SHEET

Benefits

- **Mould and Mildew** – degrades and eliminates organics found in drain lines and other hard surfaces. Regular cleaning with **Bio Tech GTX 10 Mould & Mildew Eliminator** maintains a cleaner, odour-free surface.
- **Hard Surface and Bathroom cleaning and odour control** – penetrates cracks, crevices and pores of surfaces where mould and mildew organics accumulate, removing the organics and leaving a visually cleaner surface. Provides long term odour control by removing the organics that cause odours and preventing their return.

Features

- A stable consortium of safe Bacillus spores
- Production of multiple enzymes providing a wide range of degradation capabilities
- A synergistic blend that works in concert to provide superior performance across multiple applications
- Excretion of high levels of amylase, cellulase, lipase, protease, urease, esterase and xylanase enzymes
- Ability to work under aerobic and anaerobic conditions
- Single product simplicity for multi-application flexibility
- Controls toxic odours
- Protects your loved ones
- Natural enzymes, no chemicals
- Pleasant odour
- All ingredients are Biodegradable
- Earth friendly
- Ecologically sound
- Effective

PRODUCT CHARACTERISTICS

- **Bacteria Counts** : 6.6 X 10⁸ /ml
- **Bacteria Type** : Bacillus consortium producing the following enzymes:
 - ✓ **Protease** – breaks down proteins (e.g. meat, excreted/secreted proteins) into amino acids
 - ✓ **Lipase** – breaks down fats/grease into fatty acids & glycerol. If not broken down, fats can go rancid and lead to off-odours and blocked drains/fat grease traps.
 - ✓ **Amylase** – starch acts as a glue for dirt – amylases catalyse the break-down of starch into sugars which are then further used as a food source by the bacillus
 - ✓ **Cellulase** – breaks down cellulosic material
 - ✓ **Urease** - catalyzes the hydrolysis of urea into break-down products.
 - ✓ **Esterase** - splits esters into an acid and an alcohol in a chemical reaction with water called hydrolysis. Esters have characteristic odours most of which are pleasant/fruity, however can also include onion/garlic and worse odours
 - ✓ **Xylanase** – help in breaking down plant cell walls.
 - What this means – the bacillus use the multitude of enzymes produced to break down the components of malodour and staining to provide microbial cleaning at the smallest level of dirt/contamination.
- **Salmonella** : Not detected
- **Appearance** : Clear liquid
- **Fragrance** : Pleasantly perfumed
- **Shelf-life** : Two years; maximum loss of 1.0 log at recommended storage condition

Optimum conditions for use:

- **Bio Tech GTX 10 Mould & Mildew Eliminator** is diluted 1:9 to produce a ready to use product
- Dilute with water for 30 minutes and package under agitation
- Once diluted the label should state “Shake before use” as the biological spores may settle over time

Applications:

Plant-derived enzymes do more than clean. **Bio Tech GTX 10 Mould & Mildew Eliminator** penetrates to remove mould at the source, eliminating stains and odours. You're left with a safe environment and a new level of clean. **Bio Tech GTX 10 Mould & Mildew Eliminator** is safe for all surfaces. Spray and wipe clean with a towel or brush on any surface that can have contact with water: carpet, fabric, cars, walls, concrete, plastic, vinyl, drywall, crawlspaces, pools, dog houses, wood, decks, porches, stucco, brick, metals, attics, grout, baths, furniture, and more.

Bio Tech GTX 10 Mould & Mildew Eliminator is free of hazardous chemicals:

- Ammonia-Free
- All ingredients are Biodegradable
- Caustic-Free
- Chlorine-Free
- Glycol-Free
- Hypoallergenic
- No Animal Testing
- Non-Toxic
- Petroleum-Free
- Phosphate-Free

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