

## BIO CLEANING SOLUTIONS

### Bio Tech GTX 10 FF Mite Mist

#### **IMPORTANT NOTICE**

**Green Worx CS contends that this product is manufactured according to and conforms to the terms and conditions as stipulated in SABS/TC 1006/SC 02 "Detergents, soaps, cleaners, degreasers and oil spill dispersants and absorbents" including SANS CD 1604ED1.1:Biologically enhanced cleaning and degreasing products.**



Green Worx CS's Bio Tech GTX 10

FF Mite Mist Concentrate is a Bio Mist in liquid form, it is a very effective deodoriser that establishes a protective layer of safe and beneficial bio enzyme bacteria to ward off pathogens and malodour.

#### **Product description**

Green Worx CS's Bio Tech GTX Mite Mist Concentrate is a very effective deodoriser that establishes a protective layer of safe and beneficial bio enzyme bacteria to ward off germs and malodour. Applied with a spray bottle as a mist, Green Worx CS's Bio Tech GTX Mite Mist Concentrate stabilizes the environment, lowering the risk of pathogenic bacteria, and problems with dust mite allergies.

Suitable for a wide range of uses such as; carpets, window coverings, furniture, bedding, garbage areas, clothing, gym bags, sports shoes, pet bedding and other areas.

The introduction of beneficial bacteria reduces allergens such as dust mites, mould spores and pet dander, decreasing allergic reactions.

#### **Get rid of dust mites!**

In a typical day, a human being will shed about 14 million particles of skin, which becomes a food source for microscopic, spider-like creatures called dust mites. While they inhabit many areas in our homes, beds and pillows are prime breeding grounds for these yucky little critters. The waste they leave behind is encased in an allergy-inducing protein that triggers allergic reactions in those who are susceptible (allergen).

Green Worx CS Bio Enzyme workers consume dust mite waste, dead skin, pet dander, sweat and other odour-causing organic matter continuously, for their 80 - hour lifespan. They compete with each new generation of dust mites for their

common food source and competitively exclude them, reinforcing Bio Enzyme environment control with each application. Now you've got an army defending your immune system from attacks from these irritating allergens.

### **Starve out mould!**

Green Worx CS's Bio Tech GTX Mite Mist Concentrate probiotic bacteria also compete with mould for nutrients, eventually starving out mould. They also create dryer conditions, making it much more difficult for mould to thrive.

### **Unique Mechanism of Action**

Bio Tech GTX 10 FF Mite Mist Concentrate floods the surface with millions of safe, healthy probiotics/bacteria that displace harmful (pathogenic) bacteria. These "tiny workers" continue cleaning and deodorizing for up to 3 days, unlike traditional cleaners that stop working as soon as they are dry.

The Active ingredient tested by University of Ghent faculty, has shown that this product is completely safe for skin and clothing, and is biodegradable, non-flammable and non-volatile.

### **Benefits**

- Concentrated and economical
- Cleans down to the microscopic level including bed soiling (urine, faeces and semen)
- Residual cleaning and deodorizing effect for up to 3 days
- Drastically reduces odours
- Safe for people, animals and the environment

### **Other effective Uses**

- Hard to reach areas around toilets and urinals
- High-touch areas (switches, remotes, railings, handles)
- Garbage cans; areas
- Exercise gear or equipment
- Sport shoes; winter boots
- Beds and bedding
- Closets; musty drawers
- Pillows and furniture
- Window coverings
- Air conditioning vents
- Pet areas and bedding

### **Important Points**

- Biodegradable, non-flammable, non-volatile
- Probiotic Bacteria: Class 1 (harmless)
- pH: Concentrate: 6.5
- Store indoors below 25°C; shielded from direct sunlight
- Shelf life: 2 years

### **Other Information**

The proprietary bacterial strains used in Green Worx CS products are all natural strains and have not been subject to any gene splicing or recombinant technologies (No GMO). They are beneficial and classified as Type 1 (harmless organisms). Produced in USA in FDA registered facility.

### Directions for Use

- Always shake concentrate before mixing to evenly disperse your Bio Enzyme workers!
- The dilution ratio varies, depending on the conditions: i.e. Mild odours: 1 part concentrate to 10 parts water (1:10), Severe odours (1:2)
- For initial use, we recommend starting with a higher concentration to establish a protective layer of Bio Enzyme workers.
- Then decrease to a 1:8 or 1:10 ratio to maintain it.

### Mixing and dilution guidelines.

Most formulators can produce liquid products. This product allows formulators to be present in the lucrative biological cleaning product market without extensive specialist knowledge.

- The most common 'bio' products in the industrial, institutional, and consumer markets are liquids - the Bio Tech GTX concentrate series are designed specifically for this use.
- Simple format that is easily dilutable in clean water.
- Concentrates are easy to handle and store.
- Simple dilution format for easy calculation in formulation – follow the guidelines for dilution and mixing. Always ensure you work in a hygienically clean environment free from contaminants. When decanting the concentrate into a mixing vessel, ensure the vessel is hygienically clean, and the mixing apparatus is clean before use. Once you have achieved the desired dilution, ensure that any container to be decanted in is hygienically clean and that the closing cap is clean and free of any contaminants.

### PRODUCT CHARACTERISTICS

- **Bacteria Counts** :  $1 \times 10^8$  /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

**Bio Tech GTX 10 Mite Mist Concentrate** is designed as a bio-technical aid to treatment of organic waste material offering liquefaction and reduction of solids, reduction of odour, easier disposal of waste, aids general cleaning of soiled areas, safety in operation of effluent systems, offers a viable alternative to current processing techniques using a bio-technical approach.

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