

## BIO CLEANING SOLUTIONS

### Bio Tech GTX 10 FF- Pet Odour Control and Stain Remover

#### **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 Cleaning Solutions offers new ground breaking patented environmentally friendly pre-treat water technology to replace and outperform any wetting agent. This environmentally friendly additive is a solvent, ammonia and glycol free replacement product where powerful wetting performance is required for cleaning and dispersion of particles into solutions or suspensions; it prevents flocking and agglomeration; The additive product performs extremely well and is a replacement for conventional wetting agents to increase environmental acceptance; This new water technology is primarily used in the pre-treatment of water. The quality of water and its properties are manipulated in an entirely natural way. This natural product neutralizes the magnetic charges of particles in water thus reducing surface and interfacial tension resulting in:

Increased adhesion of the liquid to a solid particle thus resulting in a powerful wetting agent.

Allows for water and oil-based droplets to break down into finer globules and to stay in suspension for longer, resulting in powerful emulsification.

The addition of this new technology allows for the transfer of our microbes / probiotics into nooks and crannies resulting in a more effective distribution of probiotics for better degradation of organics ensuring more visible cleaning and deodorising power.

#### **Bio Tech GTX 10 FF- Pet Odour Control and Stain Remover**

Multipurpose Probiotic Cleaning, Deodorising, Sanitising agent.

**NON-TOXIC, NON-CORROSIVE MULTIPURPOSE DIGESTER WITH ODOUR CONTROL**

#### **How It Works!**

Bio Tech Pet Odour Control is a simple solution that saves you time and money.

The best way to remove pet smells, stains, cat urine, dog urine, skunk odour & "wet blanket" smell the natural way.

When you are using chemicals for animal odour control or pet odour remover to remove stains you may be adding to a pollution problem rather than removing pet odour.

Using bacteria to remove cat smells, stains, and pet urine is the natural way for removing pet odours. It usually takes a little longer, but the malodour and stain is eliminated, not only deodorised

The bacteria actually grow and produce enzymes, which break down organic particles, which cause urine odour or pet odours in general. Once the enzymes break down the particles, which cause pet odour, the bacteria will digest them and convert pet odours to carbon dioxide and water.

Pet Odour and Stain Eliminator is a liquid bacterial pet odour eliminator which produces enzymes for pet and indoor odour control. It will enhance the natural process hundreds of times faster so you can remove pet odours naturally.

This product contains only non-pathogenic bacteria & readily biodegradable cleaning agents making it safe to be used for eliminating pet odours around humans, animals, and plant life. It is readily biodegradable, non-toxic and safe to use on all surfaces not harmed by water. The bacteria in Pet Odour Eliminator are activated when they are exposed to air, moisture, and food – they then produce 7 specific enzymes to bio-remediate proteins, fats/oils, urine & esters which cause the off-odours.

Pet Odour Eliminator and Stain Remover will control most pet odours and stains caused by vomit, pet urine odour, faeces, mould, mildew, or other organic spills.

## FEATURES

- A selected blend of highly active live bacteria cultures.
  - Contains a balanced buffer system that secures optimum enzyme activity.
  - Cultures are a mixture of anaerobic and aerobic microorganisms.
  - High enzyme activity including:
    - **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 & lead to off-odours & 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 & 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 & staining to provide microbial cleaning at the smallest level of dirt/contamination.
- Non-volatile and non-corrosive.
  - Easy to be handled and to use.
  - Good stability and shelf life.

## TYPICAL BIOLOGICAL/BIOCHEMICAL CHARACTERISTICS:

Minimum CFU count -  $1 \times 10^9$ /ml.

## PHYSICAL CHARACTERISTICS

Appearance – Milky liquid

pH - 5.5 – 8.5

Odour - Fresh fragrance

Standard packaging - 5 and 25 litres

## OPTIMUM CONDITIONS FOR USE

**Dilution – mix one part Bio Tech Pet Odour Control with nine parts water**

**Mix well and decant into suitable trigger spray bottle**

Temperature affects the activity of the working solution and action increases with the rising temperatures up to 49°C. No or little activity can be expected below 5°C.

## STORAGE AND HANDLING

Store in a cool, dry place.

Avoid excessive inhalation

Wash hand after handling.

## APPLICATIONS

- Remove what can be removed i.e. lumps and clumps
- Spray onto the soiled area and saturate carpets, bedding and furniture that may be affected
- If necessary scrub
- Leave to air-dry
- Repeat if necessary

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