

# VS GREENZ TP-24

Aerobic Microbial Consortia Additive

## ENZYME

### Description

GREENZ TP-24 contains a synergistic blend of highly advanced and selectively adopted microorganisms, which are naturally occurring, non-genetically engineered; which have been subjected to stringent antibiotic screening; which are designed to provide accelerated degradation of difficult to digest fats, oils, protein, starch, carbohydrates, uric acid, detergents, hydrocarbons, phenols; cotton, plastics, hair, tissue, filters etc. It also contains the nutrients required by these microbes which are not available in the waste.

### Benefits

- The Mineral solubilising Microbes present in GREENZ TP-24 degrade the Minerals present in the Waste.
- Thiobacillus microbes in GREENZ TP-24 oxidize the H<sub>2</sub>S gas.
- Some Lactobacillus combat E coli and Salmonella.
- Nitrosomonas converts Ammonia to Nitrites.
- Nitrobacter converts Nitrite into nitrate.
- Obligates autotroph solubilize Phosphorous.

### Application Areas

- Domestic & Industrial Waste Treatment Plants.
- Municipal Waste Treatment Plants.
- Composting toilets.
- STP Plant Treatment
- Kitchen Waste Treatment
- Hospital Waste Treatment
- Soil Treatment
- Cow Dung Treatment

- GREENZ TP-24 is to be mixed with 1 kg x 40 m<sup>3</sup> affluent water (ahead of aeration).
- GREENZ TP-24 should be sprayed on garbage to biodegrade and to remove offensive odours by mixing with 1 kg of powder in 500 ltr of Chlorine free water.
- Spraying can be done by any pesticide spraying pump.

## Odour Termination

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Deodorization of faecal matter by degradation can be tested by spraying about 250 ml ready to use solution / 10 sq. m before and after treatment on an open area. Maximum time taken for effective degradation is 72 hrs.

Deodorized effect can be observed and it will be found that odour is barely sensible. That is GREENZ TP-24 has decomposed odorous substances very strongly from the offensive Target.

## Specific Targets of a Better Biodegradation

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- To be Non-corrosive, non-pathogenic.
- To be safe to handle and store.
- To degrades tissue, detergents, fats, oils and grease.
- To eliminate odours.
- To Improve C: N ratio.
- To keep septic systems trouble free.
- To produce rapid system recovery.
- To reduce organic loading.
- To reduce pumping frequency.
- To degrade the harmful substances and to make them harmless to the environment.

## Unique Features of Greenz TP-24

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- All the constituents are bio degradable.
- It accelerates the degradation process.
- It acts as a deodorant.
- It adsorbs all obnoxious gases like Ammonia, H<sub>2</sub>S.
- It binds all the heavy metals.
- It coagulates the suspended solids.
- It controls the methane production.
- It converts Indole into Indole Acetic Acid.
- It degrades paper, grease and vegetable waste.
- It degrades Uric Acid.
- It eliminates pathogenic microbes.
- It helps in preventing the pipe blocking.

- It improves BOD and COD.
- It improves C:N Ratio.
- It improves drain field percolation.
- It improves pH.
- It is not masking the odour but deodorization is achieved by degrading the causants.
- It is free from Sulphuric Acid, Formalin, BKC.
- It performs even in the presence of residual medicaments present in the septic system albeit with lesser efficiency; which can be overcome by giving over dosage of GREENZ TP-24.
- It is non-corrosive.
- It neutralizes detergent bleach.
- It reduces and degrades the toxins and pesticides present.
- It reduces and bleaches the colour.
- It reduces the dissolved solids.
- It reduces the hardness.
- It wards off "Die-Off" conditions.
- It will not attack plastic or metal plumbing.
- It works well in both aerobic and anaerobic environments in varying parameters like Hardness, Salinity, pH etc., over a wide range of targets.

### Unique Features of Greenz TP-24

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Contains Probiotics, Prebiotics and Herbal Extracts	Bulk Density: 0.6 – 0.8 gr/cc
Colour: Light Brown Powder	Free from Anthrax, Salmonella, E Coli
Nutrient Content: Natural enhancers, nutrients & stimulants	Optimum Temperature: 10-40 °C
pH: Neutral	Physical Appearance: Free-flowing powder
Plate Count: $4 \times 10^9$ CFU/g	Shelf Life: One year
Solubility: Disperses in water	

### Unique Features of Greenz TP-24

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GREENZ TP-24 does not contain animal components, animal byproducts, manure or manure byproducts.

GREENZ TP-24 is environmentally safe and is not harmful to animal, plants and humans.

## Storage & Handling

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Store in a cool dry place away from the sun light. No other special handling is required.