

Grease Trap Solution (GTS 10X)

OVERVIEW

A high bacterial specification, multi-strain, spore based concentrate intended for dilution and onward manufacture of liquid products for control of fats oils and greases (FOG) in drainline, grease trap and downstream FOG control applications.

TECHNICAL DESCRIPTION

- Use to manufacture 'environmentally responsible' yet highly effective ranges of products that are based on biological as opposed to chemical action.
- Very high bacterial specification of FOG degrading strains for maximum effectiveness.
- Specially selected highly effective bacteria multi-strain formula for:
 - production of lipase and a cascade of fatty acid degrading enzymes to completely hydrolyse fats
 - Production of additional extracellular hydrolase enzymes to degrade food related wastes and sludge
 - Ability to survive in the low pH environment of an active grease trap
 - Resistant to chlorine and other harsh chemicals found in cleaning products
- Product contains Bacillus bacteria in 100% spore form for:
 - Extended product life
 - Product stability
 - Maintenance of original product specification
- Manufactured using the latest developments in bio-based chemistry, yet compatible with more traditional chemistries. The formulation is non-caustic and non-corrosive.
- Rumexo quality controlled manufacturing process ensures high degree of product purity. Spore counts and absence of contamination are measured using Quantitative Polymerase Chain reaction (qPCR) as well as traditional plate count techniques.
- Non formulated to enable the onward manufacture of custom products
 - Product offers maximum compatibility with a wide range of common ingredients e.g. surfactants, dyes and fragrances

FEATURES & BENEFITS

| Features | Benefits |
|--|--|
| High specification concentrate | Simple dilution with water to create a high specification finished product |
| Contains FOG degrading strains | Compatible with common raw materials for easy manufacture private label or signature products. |
| High extracellular enzyme production | Capable of degrading all food related wastes that are flushed to drain in addition to FOG |
| Formulated with latest bio-based chemistry | Low hazard to operators, users and the environment. |
| Up to 2 years shelf life | Easy to store and handle |

ADVANTAGES FOR FORMULATORS

- Most formulators have the capability to dilute concentrates or produce liquid products. GTS (10X) can be simply diluted with water to create a fully preserved finished product or used as a flexible base to manufacture private label or customer bespoke products.
- The most common 'biological' FOG products in the industrial, institutional and consumer markets are liquids. GTS (10X) allows formulators to confidently have a presence in the lucrative biological grease trap product market without specialist knowledge

APPLICATIONS

Blockages caused by the build-up of FOG in drains causes major disruption to normal kitchen operations with serious knock on effects down stream that result in flooding, malodour and even pest issues. The cost of rectifying these issues runs to £M each year.

The installation of grease traps is seen as a highly effective way to prevent these situations occurring and grease traps have become an important part of the effective operation of many businesses and organisations.

For grease traps to work effectively they may require biological products to operate alongside the physical elements of their design.

Grease Trap Solution (GTS 10X) is a specifically designed for the manufacture of products to treat:

- Grease traps
- Heavy duty drain line maintenance
- Lift stations/wet wells
- Rising mains
- Small municipal biotowers of bio-disk systems
- Septic systems

PRODUCT FORMAT

| Concentrate | Dilution | Bacteria count before dilution |
|---------------------------------|------------|--------------------------------|
| Grease Trap Solution GTS 10X | 9:1 or 10% | 1 - 2.0 e ⁹ /ml |

Final products will deliver a count between 1 - 2e10⁸ or up to 200 million bacterial spores per ml following dilution of the concentrate according to instructions.

Products can be created by simply diluting the concentrate with water.

Final Product is compatible with Rumexo Bio-Block used to supplement situations where there is very high FOG or sludge load

STORAGE AND HANDLING

Store in a cool, dry place. Wash hands with soap and water after use.

Technical Specification of Grease Trap Solution (GTS 10X)

| | |
|------------------------|--|
| enzyme production | <ul style="list-style-type: none"> • protease • urease • lipase • esterase • amylase • xylanase • cellulase |
| bacteria | specifically selected class 1 Bacillus spore blend |
| typical properties | appearance - straw coloured shelf life - 24 months (in un-opened container) fragrance – neutral form – liquid pH - 7.0-8.0 |
| performance properties | effective pH range: 5.0 - 10.0 temperature range: 5 - 50°C |
| packaging | 10, 20, 200, and 1000 litre containers |

This product is manufactured and shipped from the UK

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