GT SUPER

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.

Product Description

GT Bio Block is designed to deliver environmentally responsible yet highly effective treatment by focusing on biological rather than chemical processes. It features a high bacterial specification of FOG-degrading strains for optimal performance. The formulation consists of Bacillus bacteria in 100% spore form, ensuring extended product life, product stability, and maintenance of original product specifications. Manufactured using cutting-edge bio-based chemistry, GT Bio Block remains compatible with traditional methods. It is non-caustic, non-corrosive, and produced under GNC Marine's quality-controlled manufacturing process to guarantee high purity. Spore counts and absence of contamination are verified using Quantitative Polymerase Chain Reaction (qPCR) and traditional plate count techniques. The highly concentrated formula is suitable for a wide range of applications from large cruise ships and cargo vessels to private yachts and pleasure craft where FOG control is needed.

Key Features

- Generates lipase and fatty acid–degrading enzymes to fully break down fats
- Produces additional extracellular hydrolase enzymes for food-related waste and sludge
- Survives in the low pH environment of active grease traps
- Resists chlorine and other harsh cleaning chemicals
- Extended product life
- High product stability
- Maintains original product specifications

Application Area

Galley waste often contains high levels of FOGs, which accumulate in the scuppers and other drainage systems within the galley pipework leading to sewage plants or holding tanks. In vessels with extensive food preparation, grease traps or interceptors may have been installed in the galley to capture and manage fatty substances. The accumulation of fat deposits in scuppers and grease traps can cause slow water flow, local flooding, or backups, leading to unpleasant odors due to the slow breakdown of fats and food residues by anaerobic bacteria. These bacteria break down fats and waste, producing volatile fatty acids, resulting in persistent foul odors. GT Super, designed to biodegrade FOGs in galley waste, is suitable for addressing these issues. Additionally, GT Super is effective in breaking down body fats and soaps commonly found in wastepipes of baths, sinks, showers, and laundries, making it suitable for treating grey water from cabins and accommodation areas.

DIRECTIONS FOR USE

Automatic Dosing Unit

- High water flow 20ml per day
- Low water flow 100ml per day

Used a pre-programmed peristaltic pump. Pump should be located close to the main source of the fats, this may be a manual pot washing sink or rinsing station within the galley. The ideal injection point should be just after the U-bend in the waste pipe. Dosing should be timed to occur during a period when thegalley is largely inactive and not directly after a clean down.

Manual Dosing

Dilute product 10:1 / 10% in clean water, mix well and pour down scuppers and waste pipes daily

⚠ Keep In Mind

Point of dosing could be placed after grease trap, this will assist pipes being clear, and avoid any unwanted impact of grease trap. Do not site injection point too close to a dishwasher waste outlet as the high temperature and high pH dishwasher discharge chemicals as these will have a negative effect on the biological action on GT Super

Product Information

GT Super 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 to be created by simply diluting the concentrate with water.

Enzyme production:	protease, lipase, amylase, cellulase, urease, esterase & xylanase
Bacteria:	Specifically selected class 1 Bacillus spore blend
Shelf life:	24 months (in un-opened container)
Fragrance:	Neutral
Form:	liquid
pH:	7.0-8.0
Effective pH range:	5.0 - 10.0
Temperature range:	5 - 50°C

Features & Benifits

- High specification concentrate
- Effectively degrades fats, oils, and grease to carbon dioxide and water
- Includes bio-based chemistry to enhance the action of the bacteria
- Very high bacteria specification for maximum effectiveness in this tough environment
- Forms a biofilm inside pipes for added resistance to pH and temperature changes
- Effective in a wide range of pH and temperature environments
- Simple dilution with water to create a high specification finished product
- Provides rapid control of malodours from the drains within the galley
- Non-caustic and non-corrosive
- Capable of degrading all food related wastes
- Low hazard to operators, users and the environment
- Reduces grease load before it reaches the sewage treatment plant, preventing overload

Disclaimer

The information provided in this Technical Data Sheet is accurate at the date of issue and should be used for indicative purposes only. Please refer to your Company Representative for specific User instructions as to how these relate to your usage requirements. Please note that GNC Marine is not liable for claims, damages, costs or expenses of any kind arising from the mishandling of the product or changes that might occur during the handling, storage and application conditions provided by any third party who does not follow the minimum requirements defined in the SDS. Please refer to the SDS for further information regarding the handling, storage and application procedures for the product.

Product Information

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Product Code: 80012-20

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