FACTFILE

No. 02/20

RT FPT-600™ Bioremediation of Fat contamination

Product overview

FPT-600™ is a unique concept in the cleaning, maintenance and remediation of troublesome food, fat and organic based waste or contaminants. This product breaks down both synthetic, animal and plant origin fats, oils, lipids.

This product utilizes bio-remedial technology to digest animal and vegetable greases, oils, starches and lipids on hard surfaces, turf, drains. The product when added to foul water system, also helps stimulate biological activity in septic and settlement tanks and fat traps reducing the need for expensive emptying.

FPT-600 is formulated with special bio-nutrients to accelerate the bioremedial process and render the polluting compounds harmless to your equipment, your employees and the environment. The by-products of this natural process are CO_2 and water. FPT-600 is also an excellent general-purpose cleaner, very economical when used in a general maintenance program with the added benefit of bioremediation of any

Where to use

Any areas contaminated with food or fat waste – patio's after barbeque, turf post public events, public areas near restaurants. FPT-600 contains an organic degreasing agent to break the bond between the contaminant and the hard surface. The bacteria and microorganism literally eat the contaminants and use it as a food source.

Take –away food outlets, use FPT-600 to treat sitting areas and surfaces around bins. Drains and kitchens.

Restaurant/Food outlets use in drainage system and around Refuse/Bin stores – treat bins and hard surfaces to lift fats and start bioremediation process.

Fats from food, fryers, milk, dirty dishes etc can cause fats to build up in foul water drains causing smells, reducing flow and ultimately causing blockages. Dosing drains regularly with FPT-600 will clear fat build ups and enhance efficiency of fat traps, septic or settlement tanks.

How to use

FPT-600 is a highly concentrated liquid.

This product must be mixed at a minimum ratio of 15 parts water to 1part FPT-600 for it to work effectively. For most situation product can be applied using a conventional pressure sprayer.

For large areas: FPT-600 can be applied via pressure washers. To reduce foaming dilution rate should be increased to 30 to 1 or calibrate the washer to apply this ratio. More water may be added for economy or as your application may dictate.

Contaminated Hard Surfaces: Apply diluted product to thoroughly wet contaminated surface leave for minimum 10 minutes. For stubborn stains gentle scrubbing may be required. Rinse off surface and reapply diluted FPT-600. Leave to dry naturally.

Contaminated Turf: Apply diluted product to thoroughly wet contaminated areas, leave to start bioremediation process. If conditions are dry, regular watering will aid bioremediation.

Fat burg prevention: Apply 1.6 litres of diluted product weekly down kitchen sink. Mix 1.5 litres of water with water with 100 ml of FPT-600 - this will coat the foul drains with FPT-600 which will bioremediate fat in the drainage system

Septic Tanks: If direct access available add initial dose depending on volume of 5-7.5 litres of **FPT-600** in 75 litres of water, this process is best achieved using hose pipe and bucket. If direct access not available apply same volume into system but mix using 1 litre concentrate per flush of toilet.

Septic Tank maintenance treatment: Monthly inoculate the system with 1 litre of **FPT-600** via toilet. Add 500ml of **FPT-600** to bowl flush toilet allow to recharge add additional 500ml to bowl and flush.

For spills of natural fats/oils: Dilute product at 15 parts water to 1 part **FPT-600** apply a similar volume of concentrate to volume of oil spill.

Technical information

FPT-600 is an active mixture of food, fat, grease, starch and hydrocarbon oxidizing, naturally occurring, single-celled micro-organisms held as endospores with a natural bio-surface cleaning agent. When mixed with water the micro-organism rapidly multiply, consuming the fat-based contaminants, converting them to simple molecules and ultimately into carbon, carbon dioxide, water and heat.

FPT-600 is non-hazardous to users and the environment. Product concentrate and diluted spray are pH neutral natural and biodegradable

Physical characteristics

Appearance	Blue/Purple liquid
Odour	Orange Citrus
Boiling point	212°F (100°C)
Soluble in water	Complete
pH Concentrate	6.6 to 7.2
pH Diluted	6.2 to 7.5

Packaging

FPT-600 is available in:

500ml or 1 litre packs with 25ml dosing measure 10 litre bulk containers

For commercial organisations can also be supplied in 200 litre or 1,000 litre containers

Product Effectiveness: The effectiveness of this product and the speed at which it works is determined by certain factors. In general, these factors are:

Temperature: The warmer the temperature the faster this product will work. Effective operating temperature is between 0°C and 50°C.

Aeration and Pressure: Using industrial sprayer/pressure washer or brushing will speed the process.

Type of Contamination: Food waste, Animal and plant origin fats, lipids plus some oils, greases and hydrocarbons. The latter will take longer to bioremediate – for Hydrocarbon bioremediation use of RT FleetKleen or RT Remediact is recommended.

The bioremediation process generally will begin immediately but may take longer to complete depending on the above factors.

Similar product in the range

RT FleetKleen – degreasing, cleaning and bioremediating hydrocarbons or fuel spills can be used on machinery, hard surfaces, tarmac, artificial surfaces.

RT Remediact – for in situ bioremediation of oil/fuel spills on Turf or soil. Also, used for in situ bioremediation of contaminated soils.

All products in the range are non-hazardous to the user/environment plus pH neutral. Can be used by all employees.

Bioremediation lets Nature do the work, converting contaminants to water, carbon dioxide and heat.

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