

## **DRAIN-TECH GREASE TRAP POWDER: KDM 100**

**Effective and Efficient “FOG” (Fats, Oils and Greases) Treatment For Grease traps, Kitchen Drain Maintenance, Lift Stations and Wet wells**

### **Product (100gm Dissolvable Powder Satchet)**

Fully water-soluble biological powder product for the degradation of fats, oils and greases (FOG) and other types of food waste in the drain lines of food preparation areas.

### **TECHNICAL DESCRIPTION**

FOG build up in drain lines, grease traps, interceptors lift stations and municipal sewer lines is a common worldwide problem resulting from incorrect disposal of cooking oils and fats. The results include blockages, floods, malodour, corrosion and pest problems. They usually require expensive, unplanned reactive maintenance.

KDM 100 is designed as a simple manual dose product to control the build-up of FOG's.

The *Bacillus* bacteria used in KDM 100 are specifically selected for their ability to rapidly degrade a wide variety of food wastes, including fats, oil and grease, protein, starch and fibre.

The capabilities of these strains have also been tested under a broad range of environmental conditions to ensure they function in the field and not just in the laboratory.

The formulation contains no surfactant nor emulsifier but does contain all the nutrients that the bacteria need to grow. The product also contains a selection of free enzymes to catalyze some of the reactions needed for overall effective performance. The strains are also tolerant to free chlorine up to about 20ppm, making them tolerant to many cleaning chemicals.

Biodose KDM 100 can be used in drain line systems of kitchens, restaurants (especially QSR's), and food re-heat, pan and pot wash drains leading to grease traps or interceptors, lift stations, wet wells and sewer lines.

### **FEATURES:**

- Specific bacteria strains with high enzyme production for rapid breakdown of all food waste types
- Strains are proven to degrade wide range of fats, oils and grease all the way to carbon dioxide and water.
- No FOG emulsifying chemistry
- Very high bacteria specification for maximum effectiveness in this tough environment.
- Product bacteria form a biofilm on the inside of the pipes which offers protection against extremes of temperature and pH.
- Effective in a wide range of pH and temperature environments.
- Designed for manual dosing
- Performs between temperatures of 4-45oC
- Long product shelf-life.



## PRODUCT CHARACTERISTICS

- Dose controlled application in 100gm packets
- No dosing equipment required
- Multiple drain line applications from a single product
- Reduces the requirement and frequency of mechanical treatment to unblock drains or empty grease traps due to grease build-up
- Reduces blockages and flooding.
- Provides rapid control of malodours
- Non-caustic and non-corrosive
- Cost saving.

## PRODUCT CHARACTERISTICS

Physical Aspect	Brown, water-soluble, free-flowing powder
Packaging	100 g water-soluble pouches / 10kg plastic pail 10Kg bulk powder
Product pH	5.5 - 7
Moisture Content	Below 15%
Nutrient Content	Biological nutrients and stimulants
Bacterial Concentration	Min 1.2xe9 CFU/g
Enzyme Content	Lipase, celulase, amylase, protease (<1%)
Usage Conditions	Do not freeze. Take care not to inhale dust. Avoid excessive skin contact. Refer to SDS

## APPLICATIONS

- All kitchen and catering areas discharging FOG and food deposits to drain
- Restaurants and QSRs
- Food reheat applications
- Drain line and grease trap maintenance
- Lift station and wet well maintenance
- Ships galley and scuppers
- Septic system maintenance

## PRODUCT PREPARATION

**Please note: The bag is water soluble – Do not cut or tear the sachet**

- KDM 100 may be added directly to the drain system via a suitable sink, applied via a floor grate or directly into the grease trap without any preparation.
- If preparation is possible, the best performance is achieved by dissolving one sachet in warm water and leaving it to cool. Then empty the bucket into the drain when kitchen operations and cooking ceases.
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## OPTIMUM CONDITIONS FOR USE:

The bacteria in KDM 100 perform within a pH range of between 5.5 and 8.5, with optimum activity near a pH of 7.0. Temperature affects the growth rate of the bacterial population and activity improves with a temperature of between 30°C and 37°C. No appreciable activity can be expected below 5°C and above 55°C.

## STORAGE AND HANDLING:

- Store in a dry place at room temperature.
- Avoid excessive inhalation.
- Avoid eye contact.
- Wash hands thoroughly with warm, soapy water after handling.

*The information provided in this Product 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 Biodose Ltd 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*

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