



## GREASE TRAPS

**Isoclean Grease Traps** consists of concentrate that can be used for onward manufacture of products offering a high bacterial specification, multi-strain, spore based product for use in grease traps and drain maintenance applications.

Blockages caused by the build-up of grease in drains causes disruption to normal organisational operations as well as creating malodours and even pest issues. The installation of grease traps is seen as a highly effective way to prevent these situations occurring

### Benefits:

- **Drain Lines & Grease Traps** – eliminates organics, maintaining cleaner & odor free system
- **Septic & Waste treatment** – use in conjunction with **Isoclean Pit toilet & Septic sand** to maintain effective activity in systems, reduce need for excessive pumping
- **Effluent Tanks**
- **Long term odor control** – removes the organics that cause odors and prevents their return
- **Liquefaction and reduction of solids**
- **Viable alternative to current processing techniques - bio technical approach**
- **Ability to work under aerobic and anaerobic conditions**

### Directions:

**Drains & Grease traps:** Weekly treatment - pour 50ml – 100ml product down each drain dependent on usage (kitchen drains, toilets, showers, baths, and basins)

**Waste/ grey water management:** please contact Isoclean for dosage calculations.

## Ingredients:

Bacteria Counts: 6,6 X 10<sup>8</sup> /ml

Bacteria Type: **Bacillus consortium** producing the following enzymes:

- **Protease** – breaks down proteins (e.g., meat, excreted/secreted proteins) into amino acids.
- **Lipase** – breaks down fats/grease into fatty acids and glycerol. If not broken down, fats can go rancid and lead to off-odors and blocked drains/fat grease traps.
- **Amylase** – starch acts as a glue for dirt – amylases catalyze the break-down of starch into sugars which are then further used as a food source by the bacillus.
- **Cellulase** – breaks down cellulosic material.
- **Urease** - catalyzes the hydrolysis of urea into break-down products.
- **Esterase** - splits esters into an acid and an alcohol in a chemical reaction with water called hydrolysis. Esters have characteristic odors most of which are pleasant/fruity, however can also include onion/garlic and worse odors.
- **Xylanase** – help in breaking down plant cell walls. What this means – the bacillus use the multitude of enzymes produced to break down the components of mal-odor and staining to provide microbial cleaning at the smallest level of dirt/contamination.

## Safety of Isoclean Grease Traps:

Isoclean grease trap contains a blend of safe Bacillus microorganisms. Toxicity studies done by an independent laboratory shows that Isoclean Drains has no acute oral toxicity, no acute dermal toxicity, and no acute inhalation toxicity at maximal test dose. Acute dermal irritation and acute eye irritation studies classify Isoclean Grease traps as non-irritating; it does not elicit a skin sensitization reaction.

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