

Bioclean FOG

Get Rid of Fat, Oil & Grease Blocks Clogging your System

Save money on pumping, cleaning & maintenance costs in lift stations, pipelines & grease traps

Free your biology from malfunctions caused by FOG load at WWTP's



MalaTECH
water

Benefits of Bioclean FOG bioaugmentation:

- **Operational savings** by preventing messy lift station, drainage & treatment system clogs, costly downtime, suction and major repairs
- **Enhance the performance and significantly decrease pumping and maintenance costs of commercial grease traps**
- **Restores biological health** of the grease traps naturally
- **Eliminates foul odors** emanating from the grease traps
- **Boosts FOG breakdown**, and **optimizes activated sludge floc structure** in biological wastewater treatment plants
- **Biodegrades build-up of grease and organic matter** in grease traps, and lift stations
- **Keeps lines and drain fields cleaner** with reduced carry over of undigested organic pollutants
- **Cost efficient** microbial digestion by Bioclean FOG is the simplest and cleanest way to reduce the build-up in lift stations & grease traps, and keeping them working properly.
- **100% all-natural & biodegradable, non-GMO, non-toxic, non-hazardous product with long shelf life, Works effectively without introducing environmentally hazardous chemicals**



Product description:

Bioclean FOG is a natural biological product consisting specially selected enzyme producing microorganisms that are suspended in a dormant state. Bioclean FOG is unsurpassed as a safe, natural method for **digesting fat, oil, grease, organic waste, eliminating odor and removing organic build-up from pipes, lift stations, oil & grease traps, and leach drains.**

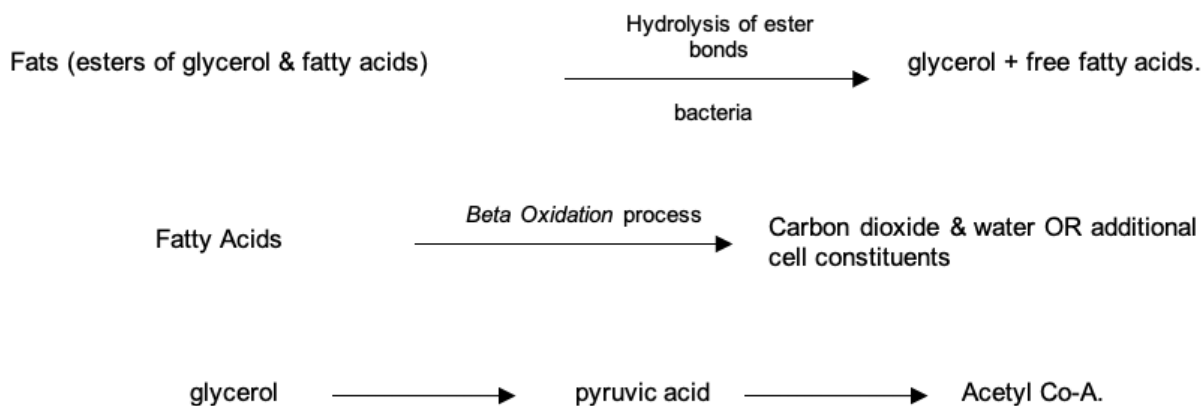
Bioclean FOG can also be used for **intensified FOG breakdown in activated sludge, granular sludge and MBBR (attached growth) biological wastewater treatment plants** where influent wastewater has high FOG load. Our bacteria will attach to the activated sludge flocs, granules or to the film on the carriers, and give a healthy **boost to the microbial system in FOG breakdown capacity**.

Microbes in Bioclean FOG are natural microbes that have been selectively cultivated. They are, however many times more efficient than some of the humble species presently living in your system. Bioclean FOG biologically digests grease and other organic waste build up, turning it into carbon dioxide (CO₂) and water (H₂O). The microorganisms go to work as soon as they contact water, anywhere in the system breaking down and digesting grease and solid waste wherever it accumulates.

A microbial product does not clean the grease build-up instantly, as a strong, caustic chemical might. However, **the bacteria are the long-term solution**. Within 4 weeks of the first application, all of your drain lines are coated with beneficial bacteria, which will drastically reduce future build-up of grease and organic matter.

Bioclean FOG degrades the grease and fats completely by this method. They do not just solubilize them so that they can travel downstream causing trouble in collection systems or wastewater treatment plants.

How does it work?



The microbes in Bioclean FOG are specially selected to **digest detergents, fats, oils & grease (FOG), proteins, paper, starch - total organic carbon (TOC)** that clog up your system and adversely affect the environment. Bioclean FOG microbes are selectively adapted to **tolerate exposure to inhibitory or toxic pollutants**. Bioclean FOG is especially suited to maintain a healthy bio-population in your tank, preventing build-up of grease, organic matter and odour. The microorganisms in Bioclean FOG eats up all the organics. Bioclean FOG is a multiple strain formulation with a high microbe count, which provides powerful, broad-spectrum capabilities to meet customers' expectations. It is not only the count but also the type of microorganisms present in a product that governs the end result, that makes Bioclean FOG an ultimate solution for operators in their fight with FOG.



Fields of application:

- Industrial, and municipal **activated sludge, granular sludge, or MBBR** (attached growth) wastewater treatment plants
- Restaurant grease traps
- Industrial grease traps
- Wastewater treatment plant grease traps
- Wastewater lift stations
- Municipal & industrial wastewater pipelines

Application of Bioclean FOG:

IMPORTANT INFORMATION:

Recommended daily dosages are guidelines only, for exact calculations and tech support do not hesitate to contact us!

For determining exact dosages for WWTP's, please provide us information by sending us our wastewater datasheet filled with information about your plant.

Grease traps: The dosage can vary from 10 grams to 500 grams per m³ of grease trap net volume, depending on FOG load. Typical application would be to mix with water and then spray or dump.

Lift stations: 1.5-12 ppm based on daily average flowrate (m³/d) of the lift station

Biological wastewater treatment plants:

Week 1: 4-8 ppm based on daily average inlet flowrate (m³/d)

Week 2: 2-6 ppm based on daily average inlet flowrate (m³/d)

Week 3: 1-3 ppm based on daily average inlet flowrate (m³/d)

Week 4: 0.5-1 ppm based on daily average inlet flowrate (m³/d)

Onwards: 0.2-1 ppm based on daily average inlet flowrate (m³/d)

Dosing location: dosing into the first biological reactor of the plant is recommended, or the product can be dosed directly into the primary treated influent wastewater before entering the first bioreactor of the system. In case of SBRs, dosage can be executed in the EQ or buffer tanks.

Packaging information:

The product is available in 1 kg double-wall bags, 20 bags make up 1 carton box which is the lowest unit for ordering.

Storage information & shelf life:

Keep the product in a cool and dry place below 30 Celsius. Avoid exposure to direct sunlight. Shelf life is 5 years from manufacturing date.