



ECOGREASE Technical Information Sheet

ECOGREASE is a balanced formula of selected bacteria strains for the biological treatment of fats, oils and greases (FOG) of animal and plant origin. Other strains present in the formulation degrade proteins, and carbohydrates present in the waste water.

ECOGREASE is recommended for use in diverse food processing plants including fish, meat, poultry, dairy, bakery, vegetable and plant oil processing operations. ECOGREASE is also recommended for grease traps in restaurants. ECOGREASE is also recommended for municipal waste water treatment plants, as well as slaughter houses. where accumulations of FOG are a problem.

ECOGREASE Special Advantages

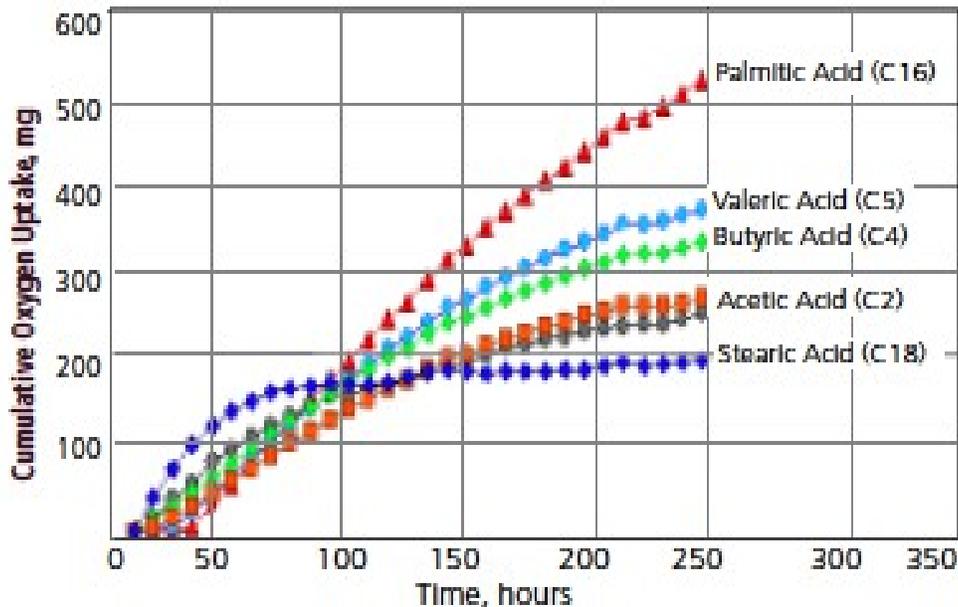
ECOGREASE degrades the recalcitrant portion of the grease molecule, the long chain fatty acids that cause the majority of maintenance and treatment problems.

Other benefits include:

- Reduce the odors by inhibiting the microbes that produce odor causing compounds such as hydrogen sulfide and the rancid volatile fatty acids that result from anaerobic degradation processes.
- The partial break down of grease causes pH to drop, creating conditions that are inhibitory to most bacteria. ECOGREASE is active at low pH levels and by breaking down both short and long chain fatty acids maintains a favorable environment for microbial degradation of organic matter.
- Speeds up the activation of new systems and increase stability of plant operations with fluctuating influent loading.
- Enhances organic matter removal and improves protozoan diversity and abundance.
- Reduce costs associated with maintenance of waste water plants.
- Reduce or eliminate the need to remove grease from the systems.
- The formulation is non-corrosive to plant equipment and mechanical systems.

Requirements for ECOGREASE Performance

The strains present in ECOGREASE work within a pH range of 4.5 to 8.5, with an optimum of 7. The temperature range for activity ranges between 10 and 45°C. The growth and activity of the strains doubles for each 10°C increase in temperature.



Degradation of organic acids by ECOGREASE is measured by oxygen uptake. Degradation of organic acids depend on temperature and oxygen availability.

ECOGREASE Application Method

ECOGREASE are dry powder formulations with 5 billion viable spores per gram.

ECOGREASE can be added directly to the waste treatment system, preferably to the influent stream, aerated basin or grease trap. For toxic waste or short retention times, re-hydration of the products for one hour prior to addition to the system is recommended, at a dilution rate of 1 kilogram in 15 liters of water. For best results use water at a temperature of 20 to 30°C.

In order to determine the application dosage that your water treatment system will require consult with our distributor. The required information needed to get a dose rate include composition or origin of waste, oil and grease concentration or volume of grease layer accumulated, and flow rate (m³/ day).

Storing Optimal Requirements

Store ECOGREASE in a sealed container, in a cool and dry location. After removing needed amount seal container to store. We recommend storing product at a temperature between 1 and 23°C.