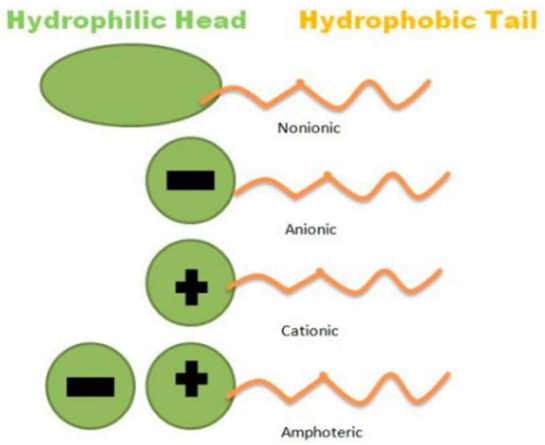
GP-FOG

GP-FOG – Fighting FOG (Fats, Oils, and Greases), breaking down slime, helping to accelerate the actions of microbial solutions in wastewater plants, septic tanks, and industrial kitchens.

GP-FOG is a highly concentrated bio-catalytic (BOC) product incorporating purified catalysts from plant and mineral sources, yeast fermentation by-products, and non-ionic surfactants.

The purified catalysts and by-products employed in **GP-FOG** are a result of advances made in green chemistry, allowing naturally occurring environmentally friendly resources to become active ingredients in this biotech formulation.

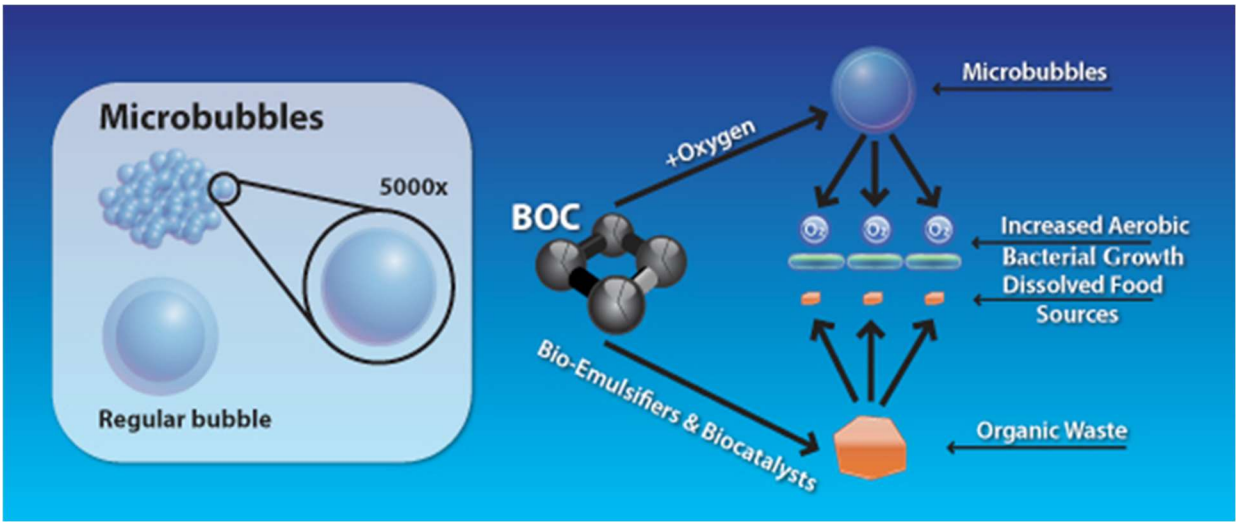
Surfactants (surface acting agents) are amphiphilic molecules that have a hydrophilic head (negative, positive, or neutral charge) and a hydrophobic tail.



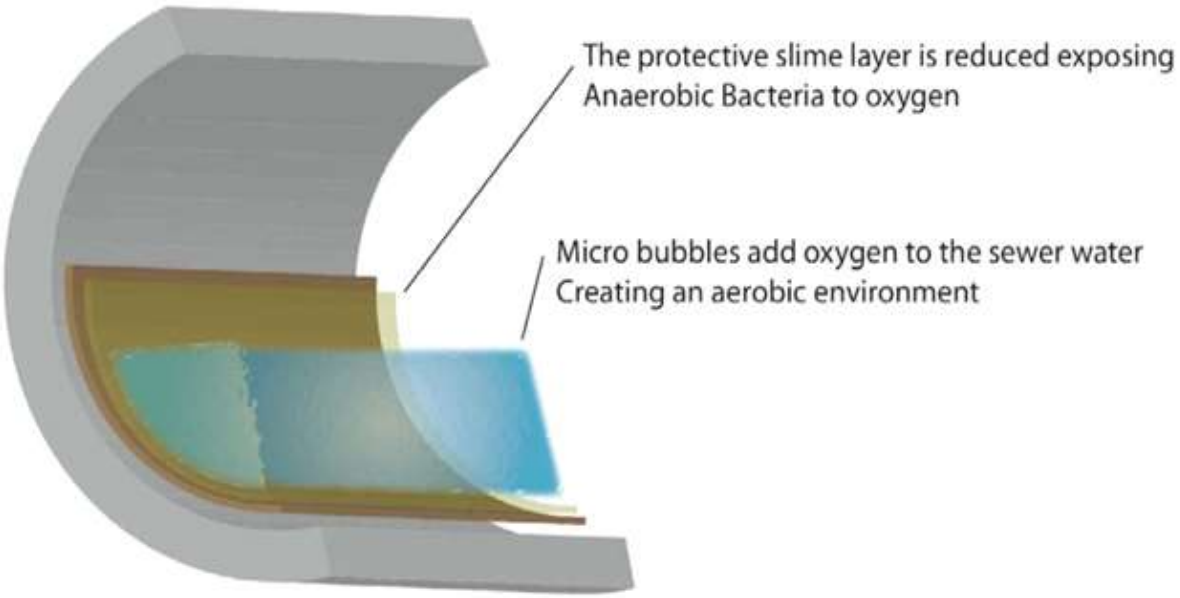
Non-ionic surfactants such as used in **GP-FOG** are neutral, they do not have any charge on their hydrophilic head.

This makes them the ideal surfactant for **GP-FOG** as they are excellent at decreasing surface or interfacial tensions, emulsifying oils, and removing organic soils.

GP-FOG initiates an immediate catalytic breakdown of wastes with the increase of aerobic activity, eliminates accumulation of biofilm and microscopic scum, and maintains free flowing drains and interceptors with no odours.



DEGRADATION OF SLIME LAYERS WITH BOC



Increased aeration being the causal effect of dosing with **GP-FOG** ensures that slime layers and FOG buildups are attacked, allowing microbial solutions unhindered access to anaerobic bacteria, converting sludge to aerobic bacteria, ensuring a faster breakdown of the waste.

It is accepted in the wastewater industry that anaerobic sludge takes up to 72 days to breakdown, whereas aerobic sludge is broken down in only 5 days.

Continual maintenance dosing will ensure all system pipes are cleaned and flow increases, at the same time eliminating the possibility of odour blooms and preventing corrosion.

DOSING

GP-FOG is sold in concentrated form in 1 Liter, 5 Liter, and 25 Liter containers and requires dilution on site or in the customers stores.

Dilution will vary dependant on application but standard dilution in wastewater operations for example is on a ratio of 1 – 4 ppm.

Please see our **GP-FOG** product dilution sheet for more information in this regard.