

BioSmart™ Bacterial Products

Hydrocarbon Degraders BioWash

BioWash, a Hydrocarbon Degraders, is a specialised biological treatment for degrading hydrocarbon based waste in water systems. The product contains natural bacterial strains, which digest organic matter through their enzymatic metabolism.

The Problem

Whilst technology has advanced in the field of 'washing cars', it has inevitably come with a heavy price. Greater mechanical technology has not been matched with a corresponding technology process itself. Chemicals have continued to be used but relief is now upon us.

Benefits of regular application

- Removal of petroleum hydrocarbons
- Removal of aromatic hydrocarbons
- Digestion of volatile fatty acids
- Reduction of BOD and suspended solids

Explanation of terms

Biological Oxygen Demand (BOD) is a measure of the biodegradability of the effluent (waste water). The higher the value, the more oxygen is needed to break the effluent down. Oxygen has to be produced and this costs time and money. With the introduction of our biological dosing, the BOD will go up before it comes down, bringing the COD with it.

Chemical Oxygen Demand (COD) is a measure of the total strength of the effluent. The total strength includes chemicals, biological elements, organics, inorganics and solids etc. The higher the value of the COD, the more time it takes to break it down and the more it costs. Using our biological dosing system, the COD level can be reduced by up to 60%.

Usage Instructions

The dosage is calculated according to the tank volume. The system should be seeded with 2 litres of product per 1000 litres capacity in the storage tank. Dosing thereafter should be in the range of 150ml to 250ml per 1000 litres capacity in the storage tank per day.



Key product features

- Safe, stable blend of Bacillus spores
- Wide range of degradation capabilities, including petroleum hydrocarbons and volatile fatty acids
- Reduces BOD, COD and suspended solids, helping meet consent limits, reducing pump-out frequency and eliminating odours

Health & Safety

The product should be handled under good house keeping practices and you should wash hands after use. Product contains naturally occurring non-pathogenic bacterial cultures. Keep away from drinking water and foodstuffs. BioWash is non-flammable, biodegradable, non-toxic and when used as directed, is completely safe. For best results store product in cool dry place.