

BioforZe DP 30

DEGRADATION OF ANIMAL AND PLANT OILS AND FATS

BIOTECHNOLOGICAL SPECIALITIES

INDUSTRY

Fats reach biological treatment plants through various industrial processes and disrupt the correct operation of the treatment systems.

When they accumulate on the surface, they restrict oxygen transfer, which can reduce the performance of the biomass.

In addition, fats and oils are substrates that favour the development of certain filamentous microorganisms, such as *Nocardia* and *Microthrix*, whose proliferation in biological systems leads to the formation of dense foam in the aerated lagoon, which can affect the quality of the outlet water.

Finally, part of the inflowing fats may be absorbed by the biological sludge, which causes excess sludge production that can make it difficult to dry.

BioforZe DP 30 is formulated from facultative aerobic and anaerobic bacteria specially selected for their ability to biodegrade plant and animal oil and fat. It can hydrolyse fats and oils and degrade the resulting fatty acids, including long-chain fatty acids.

BioforZe DP 30 can be used in biological treatment plants for the food industry, particularly the dairy sector, abattoirs and the canning industry, as well as industrial sectors in which oils and fats comprise a large proportion of their effluents.

BioforZe DP 30 is formulated with strictly non-pathogenic microorganisms, according to European Directive 2000/54/EC.

ADVANTAGES

- Improves the biological activity and performance of the biological system.
- Can be used to stabilise peaks in COD and suspended solids derived from fluctuations in load.
- Accelerates the start up of biological treatment plants.
- Reduces foam formation.
- Reduces sludge production.
- Reduces floating fats and sludge leakage.
- Controls filament development.
- Reduces bad smells associated with the presence of fats in biological plants.

DOSAGE AND INSTRUCTIONS FOR USE

The recommended dose for each case will be defined by our Technical Service, after a specific study of each application.

CHARACTERISTICS

- | | |
|------------------------|-------------------------------|
| - Appearance: | Heterogeneous flowable powder |
| - pH: | 6.8 – 8.5 |
| - Working temperature: | 5 °C – 43 °C |
| - Bacterial count: | 4 x 10 ⁹ /g |

RECOMMENDATIONS

- Store in a cool, dry place.
- Avoid prolonged contact with the skin.
- In the event of contact with skin, wash thoroughly with soap and water.
- Avoid inhaling the powder.
- For further information, see the product's safety data sheet.

PACKAGING

Non-returnable 20-kg tubs.