

# BioforZe MIX

## MULTIFUNCTIONAL DEGRADATION OF ORGANIC BIOTECHNOLOGICAL SPECIALITIES

### INDUSTRY

#### DESCRIPTION

**BioforZe MIX** is a biological activator formulated from bacteria selected for their ability to degrade animal, plant and mineral oils and fats, starch, cellulose and many organic compounds (hydrocarbons, organic acids, etc.).

**BioforZe MIX** also contains nutrients and trace elements.

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

#### APPLICATIONS

**BioforZe MIX** is particularly indicated for small to medium-sized biological wastewater treatment plants. It can be used to seed the treatment plants with highly active microorganisms to overcome situations of stress (high organic loads in the influent), to recover from a toxic shock or pH, to start or restart the plant, etc.

Its high versatility in terms of organic compounds makes it particularly recommendable for sectors as varied as the food, cardboard, chemistry and textile industries, among others.

#### ADVANTAGES

Due to the action of bacteria selected for their capacity to act on industrial waste, **BioforZe MIX** :

- Promotes rapid action, reinforced by the combined presence of bacteria, nutrients and trace elements.
- Increases the effectiveness of water treatment, even in the presence of mixtures of fats and detergents, fibres and oils, etc.
- Improves degradation of COD and BOD.
- Stabilises the treatment plant when the influent load varies.
- Improves sedimentation of activated sludge.
- Is not hazardous to handle.

## **DOSAGE AND INSTRUCTIONS FOR USE**

The general dosage of **BioforZe MIX** depends to a large extent on the flow and the type of treatment plant. Consult the Technical Department.

**BioforZe MIX** is applied at the inflow of the biological system and directly in the aerated lagoon.

To get the best performance from the application of **BioforZe MIX**, the following are recommended:

- Dilute the dosage of the product in water (100 g/litre) and let it act for half an hour so that the microorganisms reach an optimum rate of activity when they are seeded. After this activation period, shake and pour the suspension into the bioreactor.
- In small treatment plants, apply the product at the end of the day's activity, so that the microorganisms that are introduced have as long as possible (one night for example) to act and reproduce.

## **CHARACTERISTICS**

- |                        |                               |
|------------------------|-------------------------------|
| - Appearance:          | Heterogeneous flowable powder |
| - pH:                  | 6.8 – 8.5                     |
| - Working temperature: | 5°C – 43°C                    |
| - Bacterial count:     | 0.5 x 10 <sup>9</sup> /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 10- and 20-kg tubs.