

BioforZe DP 95

LOW TEMPERATURE BIOLOGICAL TREATMENT

BIOTECHNOLOGICAL SPECIALITIES

INDUSTRY

The drop in temperature in the winter triggers a series of changes in treatment systems, which have a negative impact on the development of the biomass and reduce the rate of COD reduction, halt biological nitrification, and change in the physical state of the fats.

BioforZe DP 95 is a biological preparation that contains a selected group of microorganisms that grow and are active at a range of temperatures between 2°C and 32°C. Although all of these microorganisms have good growth and substrate removal rates at higher temperatures, they can also grow well at lower temperatures (typically at 4°C), which means that **BioforZe DP 95** is particularly appropriate for improving the operation of biological systems affected by low winter temperatures.

The microorganisms in **BioforZe DP 95** can degrade a wide range of chemical compounds, including: celluloses, surfactants and hydrocarbons.

BioforZe DP 95 can be used to treat effluents in all biological treatment plants that have operational problems during the winter months due to low water temperatures: in the food, chemical and paper industries, and in municipal wastewater treatment plants.

BioforZe DP 95 is formulated with strictly non-pathogenic microorganisms, according to European Directive 2000/54/EC.

BioforZe DP 95 also contains trace elements and nutrients to promote the development of microorganisms.

ADVANTAGES

- Improves the operation of treatment plants affected by low temperatures.
- Improves the efficiency of systems affected by overloading.
- Reduces the levels of COD and suspended solids in effluents.
- Facilitates the start-up of new treatment plants and the restart of plants that are operated seasonally or have been affected by toxic shocks involving pH, low temperature, etc.
- Start of biological nitrification (in combination with **BioforZe DP 100**).

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
- Bacterial count: 4×10^9 /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.