

BioforZe FOOD NP

BALANCE OF MACRONUTRIENTS

CHEMICAL SPECIALITIES AND BIOTECHNOLOGY

INDUSTRY

In biological treatment systems, sources of major nutrients (nitrogen and phosphorus) in the wastewater are essential to effectively break down the carbon organic matter.

Consequently, it is common practice to add external sources of nutrients to compensate for shortfalls, depending on the carbon load that needs to be eliminated (COD).

In general, it is assumed that there should be a balance of nutrients and carbon in wastewater treatment that is summarised as: 300 COD/5 N/1 P.

BioforZe FOOD NP is a product comprised of nitrogen and phosphorus salts, in an N/P ratio that is close to 5.

BioforZe FOOD NP also contains other macronutrients that promote bacterial kinetics of degradation.

BioforZe FOOD NP can be used in biological treatment systems in which the wastewater has shortfalls of nitrogen and/or phosphorus.

ADVANTAGES

- Flowable powder that is completely soluble in water.
- High content of major nutrients that are easily assimilated by the bacterial biomass.
- Presence of other nutrients and micronutrients that are favourable to the development of microorganisms.

DOSAGE AND INSTRUCTIONS FOR USE

Ideally, BioforZe FOOD NP is applied after dilution of the product in water (maximum: 50 g/l), and is introduced via an automatic pump.

The dosage depends on the characteristics of the wastewater and is determined by our Technical Service after studying each individual case.

CHARACTERISTICS

- **Appearance:** Soft white powder
- **pH 5% in water:** 6.5-8.5
- **Relative density:** 1.00 g/ml

SAFETY

- Irritant for the eyes and skin.
- Harmful if swallowed.
- For further information, see the safety and hygiene data sheet.

PACKAGING

25-kg sacks.