

# BioforZe HYDROCARBON

## HYDROCARBON DEGRADATION ON THE GROUND

### BIOTECHNOLOGICAL SPECIALITIES

#### INDUSTRY

#### DESCRIPTION

**BioforZe HYDROCARBON** is a selected combination of bio-augmented bacteria designed to degrade all kinds of hydrocarbons spilt on the ground.

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

#### APPLICATIONS

**BioforZe HYDROCARBON** is designed to biodegrade a wide range of hydrocarbons (low and high molecular weight aliphatic and aromatic hydrocarbons, between C<sub>5</sub> and C<sub>20</sub> and above) spilt on the ground and on beaches (layers of hydrocarbons).

#### ADVANTAGES

Fast degradation of most hydrocarbons, including benzene, toluene and xylene.

- **BioforZe HYDROCARBON** tolerates concentrations of hydrocarbons much higher than those withstood by a large number of natural bacteria.
- Fast decontamination, minimising or reversing damage to the environment.
- More economical solution than extraction, transport and incineration.
- Natural solution based on leading technology.

#### INSTRUCTIONS FOR USE

Bacterial growth requires carbon, as well as essential nutrients (nitrogen and phosphorus) for the cell structure.

To decontaminate soil and biodegrade oil spills, nutrients are required to obtain an N/P ratio of 5/1.

After an analysis of the problem in question, our technical department will recommend a suitable dosage of nutrients for each case.

#### DOSAGE

The dosage will always depend on the degree of contamination of the soil (its hydrocarbon content), as well as the decontamination process that will be used.

In general, a dose of 100 grams per m<sup>3</sup> of soil to treat can be used.

## **OPTIMUM CONDITIONS FOR USE**

- Temperature: Between 8 and 40°C
- pH: Between 6 and 8.5
- Humidity: At least between 50 and 60%

## **CHARACTERISTICS**

- Appearance: Beige powder.
- Odour: Yeasty
- Apparent density: 0.5-0.6 g/cm<sup>3</sup>
- Bacterial count: 4 x 10<sup>9</sup>/g

## **RECOMMENDATIONS**

- Store in a cool, dry place.
- Do not put wet scoops or other wet utensils into the packages.
- After removing the required dosage, seal package tightly.
- Avoid inhaling.
- For hygiene purposes, wash hands with soap and water after using the product (this is just a precaution, as the product is not toxic or aggressive).
- Keep out of the reach of children.

## **PACKAGING**

Non-returnable 20-kg tubs.