

BritePro Bioactive Probiotics available in solid and liquid form

Product information

BritePro Bioactive is a new, safe and environmentally friendly product designed for deep cleaning. It is an innovative product based on the selection of specific strains of natural, sporogenous bacteria of the Bacillus genus.

The unique feature of BritePro Bioactive is that Sirius did not modify the DNA of its micro-organisms during the development. This resulted in a longer innovation process, but the results are 100% non-GMO probiotics.

BritePro Bioactive is a Bio detergent enabling the otherwise costly deep cleaning of hard surfaces, densely close-knit fabrics, the maintenance for drains, sewages and septic tanks, de-odorizing smells from (H₂S) scrubbers and more applications. BritePro Bioactive reduces the frequency of adding detergent or emptying tanks, removes insects, parasites and fights the growth of all pathogenic bacteria.

BritePro Bioactive is a concentrate product specifically developed for the formulators of probiotic detergents that combine the cleaning action of detergents with the action of particular beneficial micro-organisms, which go deep into the pores of surfaces to consume the organic substances that make up the residual dirt and that cause the continuous formation of bad smells.

The high multiplication capacity allows colonization of the substrate surface where other products or mechanical actions are less effective, creating a bio-balanced environment and a long-lasting cleaning effect over time. Our probiotic bacteria move and multiply in any cracks and pores of the substrate to be cleaned. And when all dirt is consumed, BritePro Bioactive degrades biologically without residue.

BritePro Bioactive has professional and domestic applications; household care, pet care, industrial maintenance, institutional cleaning such as communities, restaurants, malls, zoo-technical fields.

If desired we can add herbal extracts to BritePro Bioactive to accelerate decomposition of bad odours. Examples of applications: getting rid of smells from pets, sewage, nicotine smoke, organic kitchen and garden waste.

Product Specifications

Probiotics	Solid/Liquid
Concentration	500 CFU/ml
Biosafety	Level 1
Biodegradability	100 %
Amount of strains	5
Pathogenic	NEGATIVE
Genetic Modified Organism (GMO)	NEGATIVE
Storage temperature	Cool and dry between 5 - 40°C

Note: Customer specifications are possible on activity, dilution, gelation, color

Compatibility

BritePro Bioactive probiotics are:

compatible with: pH 5.0 - 9.0

compatible with: Anionic surfactants, Nonionic surfactants, Enzymes, Dyes

compatible with: Thickeners except Cellulosic thickeners

Fragrances except essential oil (which are biocidal)

Preservatives except formaldehyde, glutaraldehyde (which are biocidal even to spores)

incompatible with: Cationic surfactants (which are biocidal)

Oxidizers (percarbonate, perborate, peroxides, chlorine)

Safety and probiotics handling

Britepro Bioactive arise from accurate selection of strains, naturally occurring, all of Class 1 Biological Risk.

The strains are harmless to humans, animals and environment, is biodegradable rendering harmless residue. No special safety measures beyond normal laboratory precautions are necessary.

In case of contact with the skin or eyes, promptly rinse with water for at least 15 minutes. For detailed handling information, please refer to the appropriate Material Safety Data Sheet.

Repression of pathogenic bacteria

BritePro Bioactive counteracts the growth of pathogenic microorganisms in the environment by biological competition. Explanation: considering a dirty surface covered by an invisible layer of organic nutritious matter, this biofilm contains different sort of bacteria, some potentially harmful. The relatively impenetrable and sticky biofilm shields all bacteria from external interventions like cleaning and mechanical actions. At the same timer, the biofilm feeds the dwelling bacteria, multiplying and thriving. BritePro Bioactive blends attack this barrier by consuming it from the outside thus contrasting the growth of pathogenic bacteria through the mechanism of biological competition.

Non-GMO Declaration

BritePro Bioactive does not contain GMO products and itself is Non-GMO. The organisms are selected from nature and bred by selecting the strongest strains.

Commercial

Packaging:

25kg jerrycans and 200kg, 600kg and 1000kg drums

The packing can also be customized as per requirements. Classification according to Regulation (EC) No 1272/2008

Technical

BritePro Bioactive is a mixture of several selected strains of separately fermented micro-organisms (minimum 5 strains). Usual dosages range from 4-10%. The mixture exploits the metabolic synergies between the multiple strains in order to degrade a large variety of animal and vegetable oils and fats, proteins, starches and cellulose, which perform their main activity in aerobic and optional anaerobic conditions.

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