GreenPro

environmentally responsible solutions

Probiotic Solutions

Probiotics harness the power of beneficial bacteria to break down organic matter and eliminate odours, providing a more sustainable and bioactive approach to cleaning.

GREEN-PRO BIOZYME - Trap & Drain Treatment

Concentrated biological waste water treatment that contains a unique blend of specialised micro-organisms and enzymes that have been developed specifically to liquefy and digest fats, oils, greases and complex proteins. **#22952 pH 7.25-8.25**

GREEN-PRO ODOURZYME - Urine Digester

Developed with a concentrated probiotic formula containing selected strains of natural bacillus bacteria, enzyme cultures, an odour neutraliser and penetrating wetting agents.**#22962 pH 7-8**

GREEN-PRO E-LIMINATE - Enzyme Detergent Deordouriser

Enzymatic detergent deodouriser allows for quick penetration, digestion, and removal of the toughest urine soils and odours. **#22957 pH 7.5-8.5**

GREEN-PRO FADE AWAY - Bio-Enzymatic Laundry Spotter

Concentrated Enzyme Spotter allows for quick penetration, digestion, and removal of the toughest stains and soils.
#22958 pH 7-8

GREEN PRO DEEPCLEAN - No Rinse Floor Cleaner

Concentrated natural formulation manages the basic cleaning processes by combining naturally sourced surfactants with long term probiotic action PLUS adds the benefit of lipase to speed both surfactant and enzymatic actions.
#22954 pH 9.25-10.25

The Green Pro Range is proudly part of the

recognised®
environmental credentials scheme

PROVIDING THE ENVIRONMENTAL SAFETY YOU NEED

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Castle Chemicals *Solutions, Chemistry, Service* *Since 1972*

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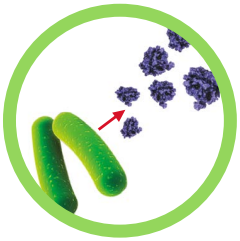
The Science Behind Probiotic Cleaning

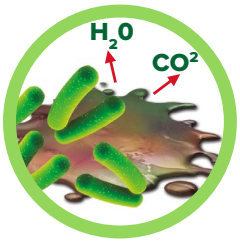


PROBIOTICS CREATE ENZYMES

Various probiotic strains generate distinct enzymes, and the efficacy of these enzymes varies depending on their specific 3D structure and the composition of different soils. For instance, certain bacteria produce lipase, an enzyme specialized in breaking down fats. This underscores the importance of carefully choosing the right strain for optimal results in cleaning applications.

ENZYMES BREAK DOWN SOILS

Without the production of enzymes by bacteria, the breakdown of complex food substances would be significantly prolonged, making it difficult for bacteria to obtain essential nutrients within a brief time frame required for their survival and reproduction.



PROBIOTICS DIGEST SOILS

As bacteria feed on soil, their primary end products consist of additional bacteria, carbon dioxide, and water. Research demonstrates that bacteria possess the capability to metabolize not only petroleum-based soils but also fats, oils, greases, and various other food-based soil substances.

BACTERIA CONTINUE TO CREATE ENZYMES

No residual waste remains, as bacteria persistently consume and break down the food source until nothing remains. This differs from “free enzymes,” which are depleted during the cleaning process and do not offer ongoing cleaning benefits.

Proving the Technology

Our distinctive research and development methodology revolves around a proficient team of chemists equipped with advanced expertise and technology to conduct thorough internal testing. By conducting a series of investigations, our team of chemists successfully confirmed the exceptional performance of our probiotics across various applications.

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