



Technical Product Data Sheet

ACTIONZYME-LIQ-CONC Six enzyme blend (High performing concentrated liquid enzymes blend for laundry detergent)

Description

ACTIONZYME-LIQ-CONC is high performing multi enzyme blend it's effectively assisted the development and improvement of modern household and industrial detergent to speed up to detergency process. It is a multi-enzymes blend of Amylase, Protease, Lipase, Cellulase, Pectinase and Mannanase enzyme.

Appearance: - brown colour liquid.

Clarity: - clear solutions

Optimum pH range: - 9.0 to 10.0

Working pH range:- 7.0-11.0

Optimum temperature: - 40°C to 60°C

Working temperature: - 20°C TO 90°C

Protease: - 48000 APU/gm.

Amylase: - 8000 BAU/gm.

Lipase: - 30000 BLU/gm.

Cellulase: - 4000 ACU/gm.

Mannanase: - 1000 MU/gm.

Pectinase: - 2000 PGU/gm.

The recommended dosage is 0.1 %to 0.2% as per require, the actual dosage need to be optimized depending upon factor such as the process and application.

- Raising the level of cleaning
- Environmentally friendly
- Shorter washing time & lower washing temperature
- Reduced water consumption.



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Applications

- The major classes of enzymes used in detergents are proteases, lipases, amylases, mannanases, cellulases, and pectinases.
- Some lipases can act as alternatives to current surfactant technology by targeting greasy lipid-based stains.
- Protease was the first of these to be used extensively to increase the effectiveness of laundry detergents.
- Cellulase contribute to cleaning and overall fabric care by maintaining, or even rejuvenating, the appearance of washed cotton-based garments through selective reactions not previously available when washing clothes with surfactants unadorned with enzymes.
- Mannanases and pectinases are used for hard-to-remove stains of salad dressing, ketchup, mayonnaise, ice cream, frozen desserts, milkshakes, body lotions, and toothpaste as well as banana, tangerines, tomatoes, and fruit-containing products such as marmalades, juices, drinkable yogurts, and low-fat dairy products.

Packaging

ACTIONZYME-LIQ-CONC is available in 25 kg paper bag for powder and 25 kg HDPE drum for liquid products. Packaging can be customized as per requirement.

Technical Support

Antozyme technical laboratory shall be pleased to provide more information covering specific applications for this product or discuss any particular problem, which may occur in the Detergent industry.

Storage

Store below cool and dry place at below 35 °C.

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Manufactured for and supplied by Managed Care Eco Solutions.

Managed Care Eco Solutions

Unit 1, New Port Business, Quarts Street, Kya Sands Business Park, Kya Sands

Tel. +27 11 708 6626

Email – info@enzymes.eco

www.enzymes.eco