



Technical Product Data Sheet ACTIONZYME Three Enzyme Blend Liquid Liquid Enzymes for Detergents

Product Description

ACTIONZYME THREE ENZYME BLEND is a blend of three enzymes. These three enzymes are called alkaline protease, alkaline Lipase, and alkaline amylase, and they digest protein, Oils and starch, respectively. They break down the food, chopping it into smaller chunks in the same way that the enzymes in your stomach digest food so it can be absorbed and metabolized. Your dishwasher doesn't absorb these nutrients, though: they are flushed away with the rest of the Junk from your dishes.

Product Parameters:

Appearance: - Brown to yellow colour liquid

Working PH Range: 6.0-11.0

Optimum Temperature: 40°C to 60°C

Working Temperature: 20°C TO 90°C

Enzyme concentration: -

Alkaline Lipase: - 50 %

Alkaline Protease: - 40 %

Alkaline Amylase: - 10 %

Clarity: - Clear solution

Dosing

The recommended dosage is 0.1%-0.8% as per require, the actual dosage needs to be optimized depending upon factors such as the process and application.

Application of ACTIONZYME Three Enzyme Blend

ACTIONZYME THREE ENZYME BLEND is a high performing multi enzymes blends for liquid dishwashing, laundry, and all-purpose cleaning purposes it can remove starch, oils, and proteins in the food strain on your dishes will breakdown over less times. These all-food strain are in insoluble form enzymes breakdown it and convert into soluble form for easily dishwashing and remove with water.

ACTIONZYME THREE ENZYME BLEND Is a less time consuming for dishwashing purposes. Once it has broken down food, it will float away and start breaking down another bit of food. These



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small amounts of ACTIONZYME THREE ENZYME BLEND break downs millions of food molecules in short times.

ACTIONZYME THREE ENZYME BLEND is a blend of multiple enzymes role of individual enzymes are given below.

Benefits

Stable in the presence of strong cheaters

Stable in water-rich formulations

Designed for tough conditions.

Performs well at eco-mode settings.

Performs well in shorter and cooler cycles

Built-in boron-free stabilizer.

Storage

ACTIONZYME THREE ENZYME BLEND should be stored in a cool dry place.

Packaging

ACTIONZYME THREE ENZYME BLEND 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 problem, which may occur in the detergent industry.

Usage Guidelines

There are many factors that influence protein hydrolysis with ACTIONZYME THREE ENZYME BLEND such as:

- I. Types of detergent
- II. pH of the detergent
- III. Moisture content of detergent

Heavy metals, halogens and oxidizing agents, free acids de-activate the enzyme, hence should be avoided.

The information contained in this leaflet is to the best of our knowledge, true &



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