

A large, abstract splash of green and teal watercolor paint occupies the right side of the page, with various shades and textures.

BIOPILL XL
Enzyme

TECHNICAL DATA SHEET

Product Features

Appearance Yellowish Brown liquid
pH 4-6

- BioPill XL is a cellulase enzyme formulation, produced from genetically modified organisms prepared for shedding, surface cleaning and softening, which we call bio finish.
- It provides surface cleaning, abrasion and softening at low dosages in cellulosic fabric and apparel.
- By using less pumice stone for the same effect in denim stone washing, it prevents fabric damage and wear of machinery and equipment. Prevents pipe clogging. Biopill XL increases the efficiency of the machine as it is effective in a shorter time compared to neutral or alkaline celluloses.

Application Information

When Biopill XL is used for surface cleaning and softening, it can be used before or after dyeing depending on the desired effect on the fabric. When used in finishing baths, the enzyme provides the desired touch and increases softness. It cleans the dead fiber on the surface and prevents the formation of batteries.

When used in blue-jean production, it gives much better results than stone washing. The desired degree of surface wear can be achieved with or without the use of stone with the enzyme.

Enzyme application can be done before or after dyeing in the finished goods. In the applications made after the paint, it is seen that the paint is removed a little and the product gains softness.

The unit of activity of the Biopill XL is taken as IU (International Unit) and is expressed in terms of an International standard. Activity units do not give the same results in different methods. Moreover, the determination of activity should not be considered as the deciding factor about performance. The activity assay should generally be used to test consistency between lots.

Before Biopill XL is used, some of the fabric to be applied is taken and tested. Dosage amount;
Type of cellulosic fiber Structure and combination of fabric Desired degree of surface cleaning or stone washing Treatment time
Depends on process parameters and chemicals Equipment.
Recommended dosing: The amount of use depends on the weight of the fabric.
Fabric : 0.2 - 3.0 %
Ready-made piece: 0.5 - 1.5 %
Blue-Jean: 0.7 - 2.0 %

STORAGE : For longer shelf life, it should be stored at 25 °C or lower. For best results, the product should be stored in a cool place and in closed packaging. It should be stored for a long time above 30 °C. the product retains its activity for at least 3 months.