COSMO SPECIALITY CHEMICALS
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Launch of Microenz BS
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Cosmo Speciality Chemicals launches eco-friendly alkaline pectate lyase for textile industries

Cosmo Speciality Chemicals Pvt Ltd, a wholly-owned subsidiary of Cosmo Films Ltd., has developed an environment-friendly alkaline pectate lyase, *Microenz BS*, sourced through enzymatic process.

Enzymatic scouring or bio-scouring involves the application of living organisms and their components to remove the natural and added impurities during textile processing. The enzymatic process gives fabric a soft handle and gently prepares the fabric for subsequent stages of textile wet processing. The process offers advantages such as softer cotton textiles, less water and energy requirement, reduced chemical usage, and environmental friendliness.

Microenz BS is said to ensure less fabric and garment damage as the pectate lyase degrades pectin from the primary cell wall of cotton without degrading the cotton itself, and enhancing properties like improved functional finish, lower yarn coefficient of friction, increased yarn elongation for improved weaving efficiencies, improved emerising and brushing properties, no degradation of cellulose and lower weight loss, while being safe and easy to use, as well as eco-friendly. *Microenz BS* can also be used successfully for combined desizing and bio-sourcing. Commenting on the new product, Mr. Anil Gaikwad, Business Head, Cosmo Speciality Chemicals said, "For medium and darker shades on cotton yarn & knitwear, we suggest a one-bath-two-step pre-treatment process. We propose an enzymatic pectinase treatment with *Microenz BS* 1-1.2% in combination with a mild peroxide bleach. The mild conditions lead to a softer handle in comparison to alkali-treated goods. Furthermore, bio-scoured cotton shows relatively good hydrophilic properties."