

Cosmo Speciality Chemicals announces the launch of environment friendly Microenz BS for Textile Industries

Sourced through enzymatic process to reduce degradation of garments/fabrics

New Delhi, April 2021: Cosmo Speciality Chemicals Pvt Ltd, a wholly Indian subsidiary of Cosmo Films Ltd., announces the development of Microenz BS sourced through enzymatic process, making it an environment-friendly alkaline pectatelyase. Thus, it helps eliminating the challenges posed by the chemical when sourced through traditional processes such as high ETP load, usage of very harsh chemicals, wastage of water and time etc.

Embarked on the key product innovation principles of multi-functionality (performance oriented), process optimisation (energy, water and time saving) and sustainability (eco-friendliness), the advancement of Microenz BS ensures less fabric and garment damage as Pectatelyase degrades the pectin from the primary cell wall of cotton without degrading the cotton itself, improved functional finish, lower yarn coefficient of friction, increased yarn elongation for improved weaving efficiencies, improved emerging and brushing properties, no degradation of cellulose and lower weight loss while being safe and easy to use as well as eco-friendly.

The chemical Microenz BS works in a way which is specially designed for the end users using alkaline pectatelyase as pectatelyase degrades the pectin from the primary cell wall of cotton without degrading the cotton itself. Microenz BS can also be used successfully for combined desizing and bio-sourcing (CDB). The dosage used for application is exhaust with doses 1.0% to 1.2%.

On this new innovation by the company, 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 pretreatment process. We propose an enzymatic pectinase treatment with Microenz BS 1.0 to 1.2% in combination with a mild peroxide bleach. This process includes a pectinase treatment as well as 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.”*

About Cosmo Speciality Chemicals

"Cosmo Speciality Chemicals is a 100% subsidiary of Cosmo Films Ltd. The company was established in 2020 with two core objectives: one was to act as a support system for the existing films business by backward integration and second to be a separate business entity with a vision of acquiring the textile auxiliary market in India & abroad by providing best and the most competitive products through innovations based on sustainable science. The company also deals

in packaging adhesives and consumer based bonding solutions which can be used safely by anyone and anywhere".

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