

SUSTAINABLE PRODUCTS - COST, TIME & ENERGY SAVING

PRODUCT NAME & FUNCTION	IONIC NATURE	SUBSTRATE			DESCRIPTION
		CO	PES	PA	
UNIV-811  All in one pre-treatment auxiliary	n / wa	✓			<ul style="list-style-type: none"> Saves inventory cost. The process requires 30% less acetic acid dosage in neutralizing bath compare to the conventional recipe. Very low COD of the drain bath hence minimizing the pollution potential.
ALKANOL-NP (MOD)  No alkali-No peroxide Bleaching agent	a	✓			<ul style="list-style-type: none"> No alkali-No peroxide Bleaching agent. Low Chemical Oxygen Demand (COD) of effluent. Low total dissolved solids (TDS) in effluent.
ESSBLEACH-BL Low temperature bleach bath activator	n	✓			<ul style="list-style-type: none"> Enables cotton bleaching at 75-80°C. It saves energy, time and total cost by catalysing reaction at lower temperature.
ENVICARE-SC  Clay based, low foaming bleaching auxiliary	a	✓			<ul style="list-style-type: none"> A single auxiliary that acts as a detergent, sequestrant, peroxide stabilizer and lubricant for achieving excellent whiteness with brightness. Lowers the COD and BOD load in the dye house effluent by 30-40%.
KETOPREP-LA (CONC)  Low alkali bleaching auxiliary	n / wa	✓			<ul style="list-style-type: none"> Replaces wetting agent, stabiliser and sequestering agent. Lower chemical consumption and less inventory. Low caustic required and hence less Total Dissolved Solids (TDS). Reduces chemical cost by 15-20%.
CHELATIN-SA  Sugar acrylate based	a	✓			<ul style="list-style-type: none"> Biodegradable sequestering agent. Caustic dosage in bleaching recipe can be reduced by 30% leading to lower TDS.
FEDA-SH (MOD) Soda ash substitute	a	✓			<ul style="list-style-type: none"> Requires 1/4th dosage of the soda ash during dyeing hence there is about 5% saving in dyeing cost and considerable reduction in inventory. Due to its lower dosage in dyeing, it reduces TDS, COD, BOD load in the effluent.
REDUCON-ACD (CONC)  Reduction clearing agent applicable in acidic medium	n		✓		<ul style="list-style-type: none"> It reduces the after treatment cycle time and improves productivity in comparison with the conventional process. 5-6% savings in Chemical cost. 40% saving in Water. 16% saving in cycle time as per batch. 16% saving in power per batch.
ITAWASH-LT (CONC) Low temperature washing off agent for Reactive dyed / printed fabric	c	✓			<ul style="list-style-type: none"> Lower consumption of steam, power and water resources. 37% saving in Power. 33% saving in Steam. 37% saving in Time. 25% saving in Water.
SARAKOL-0472. Single bath washing off agent for Dark shades Reactive dyes	a	✓			<ul style="list-style-type: none"> Saves water. Saves energy. Lower effluent load.
WASHOFF-PC  One step, combined washing off agent for Polyester/Cotton (P/C) blend fabric	n	✓	✓		<ul style="list-style-type: none"> Reduces cycle time as no need to carry out reduction clearing after polyester dyeing. Reduces the effluent load in terms of TDS, COD and BOD. 20% saving in water., 14% saving in-cycle time per batch., 14% saving in power per batch.
DENIZYME-WF Water free and stone free bleaching of Indigo denim	n	✓			<ul style="list-style-type: none"> No need of Pumice stones. Saves Water and Energy. Reduced load in the effluent. Sustainable and green process.
BIO-PPN (CONC) Bio-based potassium permanganate neutraliser	n	✓			<ul style="list-style-type: none"> Eco-substitute for sodium meta bi-sulfite and hydroxylamine sulfate (HAS). It also neutralizes active chlorine and eliminates chlorine odour after hypochlorite bleaching.
ECOGUARD-NEW  Fluorine free water repellent	n / wc	✓	✓	✓	<ul style="list-style-type: none"> Fluorine free and per fluoroalkyl sulphonate (PFAS) free speciality product for imparting very good water repellency. Biodegradable and Environmental Friendly.

Ionic nature: n = nonionic, c = cationic, a = anionic, wc = weakly cationic, wa = weakly anionic

Substrate: CO = Cotton, PES = Polyester, PA = Polyamide

 = certified product