

Textile Enzymes

Product Name	Category	Appearance	Characteristics	Remarks (dosage)
Celpolish 335i	Acid Cellulase	Liquid	<ul style="list-style-type: none"> ● Bio-polishing at pH 4.8-5.5 ● Suitable for bio-polishing on knitted fabrics ● Clean surface and robust de-pilling 	0.4%-0.7% o.w.f.
Celpolish A80	Acid Cellulase	Liquid	<ul style="list-style-type: none"> ● Highly concentrated product, bio-polishing at pH 4.8-5.5 ● Suitable for bio-polishing on knitted fabrics ● Clean surface and robust de-pilling 	0.2%-0.4% o.w.f.
Neuzyme 740	Wide-pH all-round cellulase	Liquid	<ul style="list-style-type: none"> ● Highly concentrated product, bio-polishing at pH 5.0-7.5, can be used directly in the bath without adjust pH ● Applicable both on knits for bio-polishing and on denim for enzymatic washing ● Good dye-bath enzyme (dyeing and bio-polishing same time in one bath), no impact on dyeing shade ● Low backstaining on denim and high contrast 	High conc. product, dilute into 30-50% before use. 0.3%-0.5% o.w.f. of diluted product.
Neuzyme N96	Neutral cellulase	Liquid	<ul style="list-style-type: none"> ● Concentrated product, can be used directly in the bath without adjust pH ● Applicable both on knits and denim ● Good dye-bath enzyme (dyeing and bio-polishing same time in one bath), no impact on dyeing shade ● Low backstaining on denim and high contrast 	High conc. product, dilute into 30-50% before use. 0.4%-1.0% o.w.f. of diluted product.
Stonezyme D15	Highly concentrated neutral cellulase powder	Powder	<ul style="list-style-type: none"> ● Suitable for denim washing due to high contrast and low backstaining ● Designed to formulate RTU cellulase powder (0.8%-3% in the formulation) ● Fast abrasion, and low strength loss ● Low dust, easy to use 	40g-80g if used directly in the 600 pound belly washer

Neuzyme InstaConc.	Super high concentrated neutral cellulase powder	Powder	<ul style="list-style-type: none"> ● Used to formulate RTU cellulase powder (0.4%-1.5%) ● Fast abrasion, and low strength loss ● If used as biopolishing, then recommend to use at pH 5.0-6.5 ● High conc. and easy to transport and use 	20g-40g if used directly in the 600 pound belly washer
Stonezyme Max-1	Ready-to-use neutral cellulase powder	powder	<ul style="list-style-type: none"> ● Convenient to use, no need adjust pH in the laundry ● Enzymatic washing for denim garment ● Excellent balance between abrasion, low backstaining and high contrast 	800g-1500g per belly washer (600 pounds machine)
Stonezyme G50	Neutral Cellulase Granule	Granule	<ul style="list-style-type: none"> ● Used directly in the washing machine or as formulation ingredient to produce RTU product (add 5%-15% in the formulation) ● Suitable for denim washing ● Lower strength loss than liquid product 	One belly washer (600 pounds) add 100g-200g
Amyzyme Conc.	Wide-temperature alpha amylase	Liquid	<ul style="list-style-type: none"> ● Highly concentrated alpha amylase ● Suitable for desizing at temperature from 40°C-100°C, especially for pad roll desizing processing ● Reduce chemical use and reduce waster water treatment burden ● No or minimum impact on yarn-dyed fabric 	0.3g/L-0.5 g/L
Amyzyme LT-80	Low to medium temperature amylase	Liquid	<ul style="list-style-type: none"> ● Soft hand and no strength loss ● Suitable for desizing at temperature from 25°C-70°C, especially for cold pad batch desizing processing ● Reduce chemical use and reduce water treatment burden ● No or minimum impact on yarn-dyed fabric 	0.3g/L -0.5 g/L
Catazyme 600L	Catalase	Liquid	<ul style="list-style-type: none"> ● Highly concentrated and suitable for dilution ● Quick, complete and cost-effective hydrogen peroxide removal ● Save rinses, time and water 	Dilution method is available upon request

Textile and garment washing auxiliaries

Product name	Category	Appearance	Characteristics	Remarks (dosage)
PP Alter	Decolorizing agent to spray or brush onto denim garments, alternative to PP with much reduced danger and minimum environmental impact	Yellowish transparent liquid	<ul style="list-style-type: none"> ● Free from compounds of manganese, halogen and heavy metal ● Ready to use product, to achieve local discoloration effect on denim garments ● Provide as good effects as PP on indigo and black denim ● Same application method as PP ● A much safer and greener product compared to PP 	Ready to use by spray, sponge, brush or dip according to desired final effect
Unichem PPR	An eco-friendly PP treatment neutralizing agent, alternative to sodium metabisulfite	White powder	<ul style="list-style-type: none"> ● Produce neither toxic gas nor noxious odors during PP after-neutralization. ● Convenient to use ● Eliminate the smell problem with sodium metabisulfite in use ● Provide better and healthier working environment to washing workers ● Less COD and BOD burden to effluent 	Exhaust: 20%-30% of sodium metabisulfite
Unichem CR	An eco-friendly hypochlorite bleaching neutralizing agent, alternative to sodium thiosulfate	White to pale yellowish powder	<ul style="list-style-type: none"> ● Eliminate the residue chlorine small left on the garment after sodium hypochlorite solution bleaching ● Eliminate the yellowing problem normally caused by the residue chlorine on the bleached garments. ● Less dosage compared to sodium thiosulfate 	Exhaust: 10-15% of sodium thiosulfate
Biobleach LTB-102	Low temperature bleaching agent	blue slightly viscous liquid	<ul style="list-style-type: none"> ● Reduce bleaching temperature from 98°C to 80°C but achieve same degree of whiteness and hydrophilicity ● Save energy, time and overall cost ● Less chafe and crease mark ● Better bleaching and dyeing evenness 	Exhaust: 0.8-1.2% o.w.f.

			<p>for package yarn</p> <ul style="list-style-type: none"> All-in-one product, no need other additional auxiliaries in pretreatment 	
Unisoft 88	High-Conc. biodegradable cationic softener	Yellow liquid or paste (at low temp.)	<ul style="list-style-type: none"> Excellent replacement of softener flake due to better hand feel and much lower dosage (1/3 to 1/2 of softener flakes) Hydrophilic, No AEEA Cold water soluble, reduce dissolution time dramatically No acid stinging smell like softener flakes Low yellowing, can be applied on white and pale shade fabrics 	High-Conc. product, dilution before use. Exhaust: 0.2-2.0% o.w.f. or padding 2-20g/L
Unisoft AOY-1	Anti-ozone anti-yellowing cationic softener	Yellow paste	<ul style="list-style-type: none"> Excellent soft hand feel, greatly reduce the yellowing problems caused by sunshine, air exposure and package seal Hydrophilic, No AEEA Good balance between softness and anti-yellowing properties Especially suitable for pale jeans 	High-Conc. product, dilution before Exhaust: 0.3-2.0% o.w.f.
Antibak Rock-9	Anti-backstaining agent, raw material, dissolve in hot water	Rock or plate solid form	<ul style="list-style-type: none"> Excellent both on cotton and polyester Increase enzyme abrasion effect by 30% or so Clean surface and high contrast 	Can be diluted into 30% viscous solution
Antibak Combo	Anti-backstaining agent designed for formulation or direct use in laundry	Dust-free white to pale yellow powder	<ul style="list-style-type: none"> Excellent both on cotton and polyester Increase enzyme abrasion effect by 30% or so Clean surface and backside of denim, giving a high contrast look No elasticity loss if not overdose (no more than 200g/belly washer) 	Direct use 100g-200g per belly washer, in formulation 10-20%
Antibak 7X	Elasticity keeping liquid anti-backstaining agent	Clear to pale yellowish liquid	<ul style="list-style-type: none"> Same to use on all elastic fiber containing garments Excellent ABS performance Can be diluted with water 	Direct use 200g-400g per belly washer (600 pounds)

			<ul style="list-style-type: none"> ● High contrast 	machine)
Antibak C10	Non-elasticity-loss Anti-backstaining agent designed for direct use in laundry	Dust-free white to pale yellow powder	<ul style="list-style-type: none"> ● Excellent both on cotton and polyester ● Increase enzyme abrasion effect by 30% or so ● Clean surface and backside of denim, giving a high contrast look ● No negative effect on the elasticity of Spandex fiber 	150g-250g per belly washer (600 pounds machine)
Unichem SOAP	After-Soaping agent for reactive dyeing	Clear to translucent liquid	<ul style="list-style-type: none"> ● Improve the color fastness and washing fastness of reactive and direct dyes ● No de-metallising effect on dyestuffs improving the penetration and distribution of the dye liquor 	Exhaust: 0.5-2.0% o.w.f.
Unichem FIX-01	Eco-friendly non-formaldehyde cationic fixing agent	Bright yellow liquid	<ul style="list-style-type: none"> ● Improve the color fastness and washing fastness of reactive and direct dyes ● No or minimum influence on the light fastness ● No or minimum color change ● Free of formaldehyde 	High-Conc. product, dilution before Exhaust: 0.3-2.0% o.w.f.