



Sarex

Sarex stands for quality products!

**CHEMISTRY BEHIND
GOOD FEELINGS**

CONCENTRATED PRODUCT LIST





CONCENTRATED PRODUCT LIST





PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	

PRE-TREATMENT



WETTING AGENTS / DETERGENTS

CELLEDET-R  Concentrated, ultra low foaming wetting agent cum detergent	n	80	✓	✓	✓	It exhibits good rewetting properties and is suitable for scouring and bleaching.
LUTOL-AN  High performance, low foaming detergent	a	40	✓	✓	✓	A high performance, low foaming detergent designed for scouring and bleaching of cotton and synthetic fibres in machines of high liquor turbulence. It is especially suitable for turquoise shade.
SARAKOL-NF (CONC) Low foaming, wetting and de-aerating agent	a	95	✓	✓	✓	It is used for continuous as well as for exhaust application particularly in yarn package dyeing to achieve uniform dyeing. It can also be added in desizing bath in continuous batch process to improve pick-up. It is stable to high concentration of caustic.

SCOURING & BLEACHING AGENTS

UNIV-AIO  All in one pre-treatment auxiliary	a	100	✓			It eliminates the use of caustic, wetting agent, stabilizer and sequestering agent during bleaching resulting in lower effluent load. It yields bleaching effects equivalent to that of conventional bleaching.
UNIV-811  All in one pre-treatment auxiliary that replaces caustic, stabilizer and sequestering agent in bleaching bath	n / wa	100	✓			It is a bleaching aid for combined scouring and bleaching of cotton and its blends. It reduces weight loss of cotton by 1-2% and hence more kilogram of material is achieved after bleaching. Very low Chemical Oxygen Demand (COD) of the drain bath hence minimizing the pollution potential.
ALKANOL-NP (MOD)  Pre-treatment auxiliary to replace caustic, peroxide, stabilizer and sequestering agent in bleaching bath	a	100	✓			It is a no caustic and no peroxide bleaching agent. It is a single auxiliary which eliminates the use of caustic and peroxide during bleaching thereby reducing the Total Dissolved Solids (TDS) and Chemical Oxygen Demand (COD) load in the effluent. It also reduces weight loss.
KETOPREP-LA (CONC)  Low caustic, single stage scouring and bleaching agent; replaces wetting agent, stabilizer and sequestering agent	n / wa	65	✓			Bleached fabrics exhibit good absorbency and whiteness along with low weight loss and strength loss. The bleached yarn has lower co-efficient of friction, improved strength and reduced hairiness coupled with improved loom efficiency.

SEQUESTERING AGENTS


CHELATIN-SA  Sugar acrylate based biodegradable sequestering agent	a	55	✓			An efficient sequestering agent which is applicable at all stages in wet processing. It works at broad pH range (4-11). It can also be used as a stabilizer in bleach bath. It acts as a dispersing (protective colloid) agent as well.
SARAQUEST-W (CONC) Economical, calcium, magnesium and iron sequestering agent 	n	100	✓	✓		It is suitable for combined scouring and bleaching operation. It prevents catalytic damage and pin hole marks during peroxide bleaching.
IRONSTRONG (CONC) Iron sequestering agent	n / wa	100	✓			It acts as a preferential chelating agent for iron impurities originating from textile goods or from water thereby preventing pin holes and catalytic damage of cotton.
QUEST-AMP ATMP based sequestering agent for scouring, bleaching and dyeing	n	55	✓			It is based on Amino Trimethylene Phosphonic Acid (ATMP) giving excellent chelation of metal ions. It can be incorporated in various chemical water treatment, detergents and soaps. It can also be used during bleaching of cellulosic and its blends. It can be used in dyeing as it does not affect dye shade.
QUEST-DMP DETMP based sequestering agent	n	55	✓			It is Diethylene Triamine Pentamethylene Phosphonic Acid (DETMP) based sequestering agent. It has a good peroxide stabilizing action and hence reduces the concentration of organic stabilizer in bleaching.

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			CO	PES	PA	
QUEST-HP Organophosphonate (HEDP) based sequestering agent	n / wa	60	✓	✓		It is Hydroxy Ethylidene Diphosphonic Acid (HEDP) based sequestering agent having high calcium, magnesium and iron chelation efficiency. It is mainly used in bleaching of cellulose and its blends. It prevents catalytic damage and pin holes.

PEROXIDE STABILIZER

SARASTABIL (CONC) Peroxide stabilizer in powder form, Easily dilutable	a	100	✓	✓		It is a product with optimum stabilizing power even under adverse conditions of metal contaminants. It can be used in combined scouring and bleaching process. It is suitable in exhaust and continuous application.
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DEFOAMERS

SARADEFOAM  Concentrated, Non-silicone based defoamer	n	100	✓	✓	✓	It is suitable for all types of textile processing in batch process. It is most suitable for exhaust dyeing.
SARASIL-JS (CONC) Silicone based defoamer, stable to alkaline pH	a	40	✓	✓	✓	It is stable to shear force and high temperature. Due to its high shear stability, it does not lead to any objectionable deposits on machines or substrates.
DEFOAMER-50 Concentrated, Silicone based defoamer	n	50	✓	✓	✓	It is suitable for all textile processing where foam control is essential e.g. jets, overflow dyeing machines, package dyeing machines, winches, jiggers and printing machines. It has high shear stability over wide pH range and wide temperature conditions.
DEFOAM-PEJ 100% active antifoam	–	100	✓	✓	✓	It give outstanding anti foaming characteristics along with surfactant compatibility. It is stable to alkaline atmosphere. It does not give silicone spotting.

BIO-POLISHING AGENTS


BIOFEEL-PST (CONC) Acid cellulase enzyme	n	–	✓	✓		An acid cellulase enzyme for bio polishing of cellulosic and cellulosic/polyester blends. It is also suitable for colour fading of denim garments.
BIOPOL-PLUS (CONC) Multicomponent enzyme	n	–	✓	✓		It is used for peroxide killing and bio-polishing in the same bath leading to conservation of water, time and energy.

OPTICAL BRIGHTENING AGENTS

CAREWHITE-BBU 250%. High affinity, Bluer tone, suitable for cellulosic	a	100	✓			It is available in powder form and is suitable for continuous application.
SARAWHITE (CONC).  High affinity, Neutral tone, suitable for cellulosic	a	100	✓		✓	It is in powder form. It gives good light fastness on cellulose. It is stable to peroxide as well as reductive bleach liquors hence combined bleaching and optical brightening can be carried out. It is highly suitable for exhaust application.
SARAWHITE-COL. High affinity, Bluer tone, suitable for cellulosic	a	100	✓			It is available in powder form and exhibits good wash fastness. It is highly suitable for exhaust application. It can be applied in one bath along with peroxide bleaching. It is durable to home launderings.




DYEING

LEVELLING, DISPERSING & RETARDING AGENTS

DYEWELL-002 (CONC)  Levelling agent for polyester	n	100		✓		It equalizes the strike rate of different classes of disperse dyes at high temperatures. It possesses good dispersing, migrating and levelling properties.
SARAKOL-RDL (CONC) Low foaming, solubilising cum levelling agent for reactive dyeing	a	50	✓			It prevents dye agglomeration resulting in level dyeing in soft flow and package dyeing machines. It is ideal for sensitive shades like turquoise blue.
NYLOLEVEL-606 (XC) Levelling agent for polyamide, dyestuff affinity	n	100			✓	It is suitable for dyeing of nylon, wool and silk fabrics which are dyed with acid dyes. It possess excellent migration property which results into uniform and level dyeing. It is also suitable for metal complex dyestuffs.

PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
RETARDER-ACR Concentrated and economical acrylic retarding agent	c	80				It is a levelling agent for acrylic and its blend. It works by retarding mechanism and it also corrects faulty dyeing.
SARAGEN-SO Dispersing agent for polyester dyeing in powder form	a	100		✓		It is used in dyeing and printing of polyester and its blends.
SARALINE-FI (CONC) Versatile dispersing and emulsifying agent for all substrates	n	100	✓	✓	✓	It helps to stabilize the bath for better runnability under adverse conditions. It also helps in smooth running of the continuous bath, hence preventing roller build-up.


LUBRICATING & ANTICREASING AGENTS

ANTICREASE (CONC)  Economical, lubricating and crease preventing agent in powder form	a	100	✓	✓	✓	It forms a thin, uniform, protective coating around the fibre to lower the surface friction, thus minimizing the formation of durable creases during high temperature wet processing of polyester. It is suitable for batch process.
SARACREASE- HG (CONC)  Concentrated and low foaming crease preventing agent	a	80	✓	✓	✓	It is a low foaming lubricating agent which forms a thin and uniform protective coating around the fibre which lowers the surface friction and flexural rigidity thus minimizing fibre-to-fibre friction, fibre-to-metal friction and the formation of durable creases during high temperature wet-processing.
YARNSOFT-FRS (CONC)  Concentrated, yarn lubricating agent	n	75	✓	✓		A finishing agent for yarns to improve rewinding performance. It is suitable for exhaust as well as lick roll / kiss roll application. It improves lubricity and gliding properties of treated yarn. It also imparts antistatic properties.

SODA ASH SUBSTITUTE

FEDA-SH (MOD) Soda ash substitute	a	100	✓			Owing to its excellent buffering capabilities, it decreases the reactive dye hydrolysis and hence increases the extent of reactive dye fixation.
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pH SLIDING AGENT

ACIDON-PA  pH sliding agent	n	100			✓	It controls the pH throughout dyeing with acid dyes and thus ensures uniform and reproducible dyeing for polyamides.
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OLIGOMER REMOVER

ELIMINATOR-GLO (CONC) Oligomer remover and machine cleaning agent	a	40		✓		It is used in package dyeing to avoid oligomer deposition on the package and the machine.
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REDUCTION CLEARING AGENT



REDUCON-ACD (CONC)  Reduction clearing agent which works in acidic medium	n	100		✓		It is added after polyester dyeing in the same bath for reduction clearing. It reduces process time and saves water and steam.
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STRIPPING AGENT

FABSTRIP-NS  Reactive dye stripping agent	n	100	✓			It is used for stripping of reactive dyes from cellulosic fabrics. It prevents the damage of lycra blended fabric unlike observed in conventional method of stripping using caustic and hydrosulphite.
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WASHING-OFF AGENTS






PARAKOL-YS  Polymeric, economical dyebath conditioner and washing off agent	a	100	✓			It is high temperature stable washing off agent for reactive dyes. It also prevents precipitation of reactive dyes in presence of calcium and iron impurities. It is suitable for batch as well as continuous process.
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PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
SARAKOL-PDR  Dye bath conditioner and washing-off agent in powder form	a	100	✓			It is an acrylic copolymer based product having excellent dispersing action and sequestering property. It is readily dilutable with water. It is a good dye bath conditioner for package dyeing.
SARAKOL-738  Economical washing-off agent in powder form	a	100	✓	✓		It is recommended as washing-off agent for reactive dyes in batch as well as in continuous process. It possess good dispersing action. It does not form complex with dyes hence colour yield or tone of the fabric is not affected.
SARAKOL-AD Multifunctional auxiliary for reactive dyeing	a	40	✓			It is a washing-off agent for reactive dyed and printed cellulosic fibres and their blends. It effectively works in presence of electrolyte. Its acts as a good dye bath conditioner for package dyeing.
ITAWASH- LT (CONC) Low temperature washing-off agent for reactive dyed/printed fabrics	c	40	✓			It reduces time, energy and water against conventionally used washing-off agent.
SARAKOL-0472. Single bath washing-off agent for reactive dyes, dark shades	a	55	✓			It is a single bath, high temperature washing off agent for fabrics dyed with reactive dyestuff for darker shades. It ensures easy removal of hydrolysed dyes and prevents re-deposition thereby improving overall fastness properties.


DYE TRANSFER INHIBITORS


ARKOLAN-66 Dye transfer inhibitor or Anti-tinting agent	n	40	✓			It prevents re-deposition of dye on the fabric during washing off process of yarn dyed shirting and printed fabric. It can also be used as an additive in laundry formulations.
ESTO-PVP Concentrated product, prevents cross-staining of dyes	n	100	✓			It can be used in batch as well as in continuous process. Due to its good rinsing ability, it is easily washed-off and does not interfere in subsequent dye fixing or softening process.

DYE FIXING AGENTS FOR REACTIVE & DIRECT DYES

FIXANOL (CONC)  Polyamine based concentrated formaldehyde free dye fixing agent	c	80	✓			It improves fastness of reactive and direct dyed fabric to washing, water and perspiration without adversely affecting the shade and light fastness.
SARADYE-FN  Polyamine based formaldehyde free dye fixing agent	c	40	✓			It improves fastness of reactive dyed fabric to washing, water and perspiration without adversely affecting the shade and light fastness. It is also suitable for direct dyes.
FERAFIX-PDM PolyDADMAC based formaldehyde free powder dye fixing agent	c	100	✓			It is a powder dye fixing agent for cellulosic fabrics dyed with anionic dyes viz., Reactive, Direct, Indigo and Sulphur dyestuffs.
KATAFIX-BC  PolyDADMAC based formaldehyde free dye fixing agent	c	45	✓			It is suitable for cellulose dyed with Reactive, Direct, Indigo and Sulphur dyestuffs. It improves the washing fastness, perspiration fastness and water fastness of dye fixed fabrics with low to negligible shade change.
KATAFIX-RD  Formaldehyde free dye fixing agent	c	50	✓			It improves fastness properties of reactive and direct dyed fabric with low to negligible shade change. It improves washing, water and perspiration fastness. It does not show deterioration in light fastness.
ERGOFIX-ALS  Formaldehyde free dye fixing agent for cellulose and denims	c	50	✓			It is formaldehyde free, dye fixing agent for cellulose dyed with Reactive, Direct, Indigo and Sulphur dyestuffs. It improves the washing fastness, perspiration fastness and water fastness of dye fixed fabrics.


DYE FIXING AGENTS FOR ACID/METAL COMPLEX DYES

NYLOFIX-993  Acid stable dye fixing agent in powder form	a	100			✓	It improves wet fastness properties of the dye fixed fabrics. It can also act as a reserving agent for polyamide /cellulosic blends.
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PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
SARAFIX-NEW  Acid stable dye fixing agent	a	55			✓	It improves wet fastness properties of the dye fixed fabrics. It can also be used as a reserving agent for polyamide /cellulosic blends. It is especially suitable for light and pastel shades.
FLUOROFIX-877 Dye fixing agent for fluorescent acid dyes	a	55			✓	It improves the washing fastness and wet fastness properties viz., water contact fastness, sea water fastness and perspiration fastness of the dye fixed fabrics. It will not affect fluorescence of the dyed fabric.

PRINTING AUXILIARIES


DIGITAL / INK-JET PRINTING

DIGIPRINT-7146  Pre-treatment auxiliary for reactive inks in powder form	a	100	✓			It is used in pre-treatment of cellulose forming surface film on the fabric to get sharp prints. It gives consistent viscosity and pick up.
DIGIPRINT-7146 (MOD) Pre-treatment auxiliary for urea-free processing of reactive inks	a	100	✓			It is used in pre-treatment of cellulosic fabrics enabling urea free process of reactive digital printing. It delivers prints with sharp outline and improved colour value.
SARASOL-MB Pre-treatment auxiliary for disperse inks on polyester	c	55		✓	✓	It is a pre-treatment agent applied in continuous process before Ink-Jet printing. It is concentrated, economical and easily dosable.

REACTIVE PRINTING

REATHICK-612  Hybrid thickener for reactive printing	a	100	✓			It exhibits prints with high brightness and levelness. It has excellent permeability with uniform colour yield. It gives much better and cleaner print than sodium alginate. It is suitable for both, flat bed and rotary screen printing.
REATHICK-919 Non-alginate synthetic thickener	a	100	✓			It is a sodium alginate substitute for reactive dye printing on cellulosic and viscose substrates. It exhibits prints with high brightness, high brilliance and high permeability. It is suitable for both, flat and rotary screen printing.
REATHICK-7917 Cost effective synthetic thickener	a	95	✓			It delivers prints with high brilliance and permeability with uniform colour yield. It gives much better and cleaner prints than sodium alginate. It is suitable for both flat bed and rotary screen printing.
SUPER R SALT  Mild oxidizing agent	a	100	✓			It is used during reactive dyeing and printing to protect the shade from reducing atmosphere during steaming.

PIGMENT PRINTING

CELLBIND-FF Formaldehyde free, Soft binder	a	40	✓	✓	✓	It imparts very good wash, rubbing fastness and resistance to abrasion. It gives very good brightness, soft and elastic handle to printed fabrics. It can also be used as a coating agent to impart soft feel to the fabric.
CELLBIND-7838 Medium hard acrylic binder	a	50	✓	✓	✓	It has excellent pigment loading characteristics, alkali resistance and good durability to washing and dry cleaning. It gives excellent wash fastness and can be used in coating.
CELLBIND-PD Formaldehyde free binder for pigment dyeing	a	40	✓	✓	✓	It gives very good brightness and soft handle to dyed fabrics. It imparts very good rubbing fastness. It can also be used as a coating agent to impart soft feel to the fabric.
SYNTHICK-P 328 Synthetic thickener for pigment printing	a	95	✓	✓	✓	It disperses readily in water. It can also be used as thickener for preparation of coating recipe.
CROSSPRINT-CL(CONC).  Formaldehyde free crosslinking agent for pigment printing	n	45	✓	✓	✓	It enhances fastness properties especially wet rubbing fastness of printed fabric.
TEXPRINT-FF Formaldehyde free crosslinking agent for pigment printing	a	45	✓	✓	✓	It enhances the wet rubbing fastness properties of pigment printed fabrics.




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SARAPRINT-AC Melamine formaldehyde based resin	n	60	✓	✓	✓	It is added to a pigment printing paste to enhance the scrub fastness and wet rubbing fastness of pigment printed fabric. It can also be used for finishing of interlining fabrics to impart a durable and stiff handle. It is also used as cross linker in coating recipe.
TEXPRINT-PP Silicone softener for pigment printing	n	75	✓			It is to be added in the print paste. It imparts soft and dry handle to the printed fabrics. It does not impair the fastness properties of pigment printed fabrics.

OTHER PRINTING AUXILIARIES

FABPRINT-PES Synthetic thickener for disperse printing	a	80		✓		It is easy to handle and gives lump free paste. It imparts very good colour yield with sharpness.
REDUCIT-ZS Discharging agent in textile printing	c	100		✓	✓	It is particularly used for white discharge printing on polyester, nylon and other synthetic fabrics.
INGOLITE-3 Discharging agent in textile printing	c	100		✓	✓	It is used as a reducing agent in direct style printing of vat dyes. It is also used in colour discharge printing with vat dyes and white discharge printing on reactive dyed cellulosic fabrics.


FINISHING

SILICONE SOFTENERS - MICRO EMULSIONS


AQUACONC-ET Hydrophilic concentrated softener	n	75	✓	✓	✓	It imparts excellent softening effect on all substrates. It is suitable for padding as well garment washing. Due to shear stability, it is also suitable in soft flow machine where liquor ratio is low.
CARESOFT-1000 Concentrated, self-dispersible non-hydrophobic softener	n	65	✓	✓		It is shear stable and imparts surface smoothness on the treated fabrics. It is suitable for pad and exhaust application.
CARESOFT-XC  Hydrophilic blocked silicones for towels	n / wc	45	✓			It imparts soft, hydrophilic finish fast to home laundering. It also gives shear stability. It is ideal for terry towels, cotton knits and fabrics where good absorbency is required.
FABSOFT (CONC)  Economical hydrophobic silicone	n	75	✓	✓	✓	It imparts excellent body break to the finished fabric. It is suitable for continuous application and exhaust in garment machine with less shear force.
SARASOFT-WL (CONC)  Hydrophilic, non-yellowing, shear stable silicone softener	n / wc	40	✓	✓	✓	It imparts very good softness and hydrophilicity on the treated fabrics especially on terry towels. It is applicable by exhaust and continuous application.
TERRYSOFT-SC (CONC) Hydrophilic, blocked silicone for towels	c	40	✓			It is shear stable and imparts soft, hydrophilic finish. It is ideal for terry towels, cotton knits and fabrics where good absorbency is required. It is fast to home laundering.

SILICONE SOFTENERS - MACRO EMULSIONS


AQUAFINISH-MA Hydrophilic blocked silicone softener	n	50	✓	✓		It is shear stable, temperature stable and pH stable. It imparts super soft finish on treated substrates. It is non-yellowing, hence suitable for whites as well as for pastel shades. It is suitable for pad and exhaust application.
FLUID-828 Hydrophilic, Polydimethylsiloxane emulsion	n	60	✓	✓	✓	It is an oil-in-water, shear stable emulsion. It exhibits excellent wetting properties.
HAYSOFT-860 Hydrophilic, polysiloxane softener	n / wc	60	✓	✓	✓	It is shear stable. It gives extra-ordinary smooth surface touch to terry towels, knits and woven substrates. It imparts soft and hydrophilic finish. It is suitable for pad and exhaust application.

PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
HAYSOFT-641 Concentrated, self emulsifiable blocked silicone softener	c	75	✓	✓	✓	It imparts soft and fluffy handle to all substrates. It is easy to dilute as it does not require emulsifier for dilution. It is shear stable and gives superior hand feel compared to other blocked silicones.
HYDROSOFT-654 40  Hydrophilic silicone softener for terry towels and knits	n / wc	40	✓	✓		It imparts very good softness and hydrophilicity on the treated fabrics. It imparts excellent results on terry towels and cotton knits. It is shear stable and also applicable by padding application.
MODSURF (CONC) Concentrated, macro silicone	n	50	✓	✓		It imparts super soft effect on the treated substrates. It is non-yellowing, hence suitable for whites as well as for pastel shades. It is suitable for pad and exhaust (in garment drum machine) application.


SILICONE FLUIDS / OILS




ELITESOFT-7414 (CONC) Hydrophilic, self emulsifiable, blocked silicone oil	n	70	✓	✓		It is shear stable, temperature stable and pH stable. It imparts soft and fluffy handle to knit and woven substrates. It has excellent hydrophilic property. It is suitable for pad and exhaust application.
FERMA-986  Non-yellowing, Quaternary silicone fluid	–	80	✓	✓	✓	It can be easily emulsified into stable nano emulsion. Its emulsion is shear stable and pH stable and imparts hydrophilic, very soft, greasy peach handle with lubricity on all types of fibres.
ULTIMOSOFT-Z (CONC) Hydrophobic, Self emulsifiable, blocked silicone oil	n	60	✓	✓	✓	It is shear stable, temperature stable and pH stable. It imparts smooth and super slick handle to cotton, polyester, nylon, polyester / cotton and other synthetics fabrics and their blends. It is suitable for pad and exhaust application.
HAYSOFT-SJC Hydrophilic, easily emulsifiable blocked silicone oil	–	100	✓			It imparts soft, smooth and excellent hydrophilicity on the fabric. It is especially suitable for cotton knits and woven fabrics. It is stable to high shear force, wide pH range and wide temperature conditions. It is non-yellowing, hence suitable for whites as well as for pastel shades.
HAYSOFT-PR Blocked silicone softener	n	80	✓	✓	✓	It imparts soft and fluffy handle to all substrates. It is easily dilutable without use of emulsifier. It gives superior hand feel.




ORGANIC SOFTENERS - FATTY ACID DERIVATIVES



SUPERCONE-174 Hot water soluble in flakes form	c	100	✓		✓	It is non hydrophobic, imparts excellent softness on cotton yarns, knits, woven, wool, silk and garments. It is low yellowing, hence suitable for whites as well as for pastel shades. It is suitable for pad and exhaust application.
SUPERCONE-2100 (CONC)  Cold water soluble in flakes form	c	100	✓		✓	It is low yellowing and concentrated product, suitable for exhaust as well as continuous application.
SUPERCONE-NI Hot water soluble in flakes form	n	100	✓	✓		It imparts excellent softness on cotton, viscose, polyester, acrylics and their blends. It is low yellowing, hence suitable for whites as well as for pastel shades. It is suitable for pad and exhaust application.
SUPERCONE-EQ Concentrated esterquat in paste form	c	90	✓		✓	It imparts excellent surface smoothness on all substrates. It is soluble in luke warm water. It is low yellowing and suitable by pad and exhaust application.

POLYURETHANE EMULSIONS

TEXPEACH (CONC)  Hydrophilic polyurethane based finishing agent	n / wc	60	✓	✓	✓	It imparts lofty finish with good drapability. It forms a 3-dimensional film on substrate. It improves resistance to pilling and abrasion and also improves crease recovery angle.
TEXPEACH-100 Durable, non-yellowing, concentrated polyurethane based finishing agent	n	100	✓	✓	✓	It imparts lofty finish with good drapability by forming a 3-dimensional film on substrates. It improves resistance to pilling and abrasion and also improves crease recovery angle.

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POLYETHYLENE EMULISONS						
SUPERNOL-PE (CONC) Self-emulsifying, Polyethylene wax emulsion	n	100	✓			It is used for finishing of cotton bottom weights and denims for soft finish as well as to impart lubricity. It is recommended for finishing of cotton knits and cotton shirting to improve sewability, tensile and tear strength.
SARASOFT-EP (CONC) Polyethylene emulsion for cotton sheeting	n	40	✓			It imparts soft and bulky handle and improves tear and tensile strength of cellulosic and polyester fabric and their blends. It also improves sewability of the finished fabrics.
EXTENDER / CROSSLINKER FOR OIL, WATER & STAIN REPELLENT						
ECOLINK (CONC)  Extender for oil and water repellent	n	40	✓	✓	✓	Addition of Ecolink (Conc) improves durability to multiple home launderings.
MOISTURE MANAGEMENT FINISH						
ESTOFEEL (CONC)  Hydrophilic finishing agent with antistatic, soil resistant and soil release properties	n	100	✓	✓	✓	It helps to overcome static charge generation and improves wicking property. It is peculiarly suitable for synthetics. It passes AATCC 195:2012 (Moisture Management Test).
MOISTURE-GUARD  Concentrated organic hydrophilic finishing agent	n / wc	95	✓		✓	A unique, durable moisture management product that imparts rapid moisture absorption, evaporation and improved wicking thereby producing a cooling effect to wearer. It is peculiarly suitable for cellulose.
CHLORINE FASTNESS IMPROVER						
SARADYE-PLE (CONC) Chlorine fastness improver for cellulose	c	65	✓			A formaldehyde free chlorine fastness improver for fabrics dyed/printed with reactive dyes. It effectively works on sulphur and vat dyed / printed fabrics.
FLAME RETARDANTS						
FLAMGUARD-DPS. Durable flame retardant for polyester	n	95		✓	✓	It is halogen and formaldehyde free flame retardant. It is suitable for polyester, polyamide and polypropylene nonwoven fabrics. It passes NFPA-701, BS- 3119, BS-5852 etc.
FLAMGUARD-CAB Flame retardant for back coating	wa	45		✓	✓	It is a durable, halogen and formaldehyde free flame retardant for back coating application. It is suitable for upholstery and automotive textiles. It can also be applied by foam coating. It passes NFPA-701, BS 5852, vertical flame test etc.
FLAMGUARD-EX (CONC) Suitable for exhaust application	n	100		✓		It is a concentrated, durable, halogen and formaldehyde free flame retardant. It is suitable for home furnishing fabrics, and curtains. It passes NFPA-701, BS- 3119, and BS-5852 test methods. It can be applied during dyeing and thus leads to lower shade change.
SARAFLAM-DUR Durable Flame retardant for 100% Cotton fabric	n	80	✓			It is halogen free flame retardant for 100% Cotton fabric. It is durable up to 50 home launderings and highly suitable for work wear fabrics. It is applicable by padding and it passes ISO 15025, NFPA 701, BS 5852 and vertical flame test.
SARAFLAM-PDR Flame retardant for all substrates and blends in powder form	n	100	✓	✓	✓	It is a halogen free, non-durable flame retardant which is durable to dry cleaning.
ANTI-PILLING AGENT						
CELLBIND-473 Versatile anti-pilling and seam slippage improver	n	45	✓	✓		It improves resistance to pilling and snagging. It is compatible with most of the finishes. It can be combined with any type of softener in finishing to carry out combine finishing treatment. It does not affect the hand feel of fabric.
ANTI-MICROBIAL AGENTS						
SARAGUARD- 5700 (CONC) Silane based, durable and non-leaching	c	100	✓	✓	✓	It passes ISO 18184: 2019, Antiviral test against enveloped and non-enveloped viruses. It is effective against broad spectrum of microbes such as <i>E.coli</i> , <i>S. aureus</i> , <i>MRSA</i> and <i>K. pneumoniae</i> . It is suitable by padding and exhaust application. It passes AATCC-100, JISL 1902, ISO 18184:2019 etc.

PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
SARAGUARD-AM (CONC) Silane based, durable and non-leaching	c	70	✓	✓	✓	It passes ISO 18184: 2019, Antiviral test against enveloped and non-enveloped viruses. It is effective against broad spectrum of microbes such as <i>E.coli</i> , <i>S. aureus</i> , <i>MRSA</i> and <i>K. pneumoniae</i> . It is suitable by padding and exhaust application. It passes AATCC-100, JISL 1902, ISO 18184:2019 etc.
SARAGUARD-FL Economical, durable and non-leaching	c	80	✓	✓	✓	It passes ISO 18184: 2019, Antiviral test against enveloped and non-enveloped viruses. It is effective against broad spectrum of microbes such as <i>E.coli</i> , <i>S. aureus</i> , <i>MRSA</i> and <i>K. pneumoniae</i> . It is suitable by padding and exhaust application. It passes AATCC-100, JISL 1902, ISO 18184:2019 etc.
UV ABSORBER						
YUVI-CELL Imparts UPF 40-50	n	50	✓		✓	It is a durable UV protecting agent. It can be applied to dyed fabrics with minimum shade change.
STIFFENING AGENT						
SARASTIFF-GK  Polymeric stiffening agent	n	50	✓	✓		It is suitable for collar interlining. It imparts stiff finish with good durability.
PHENOLIC / THERMAL YELLOWING PREVENTERS						
QUENCH-APY  Phenolic yellowing preventer	a	85	✓	✓	✓	A concentrated product to prevent phenolic yellowing of fabrics during storage in polyethylene bags or cardboard cartons. It is suitable for exhaust as well as continuous application.
QUENCH-BT Phenolic yellowing preventer	a	50	✓	✓	✓	It is a low foaming phenolic yellowing preventer for fabrics during storage, packed in polyethylene bags or cardboard cartons. It is suitable for exhaust as well as continuous application.
SARASCOUR-RG (CONC) Prevents yellowing due to heat setting	n	100		✓	✓	It is used to prevent yellowing of fabrics and knitted garments made from polyamide, lycra and their blends during heat setting. It is recommended for finishing of pale shades as well as for fabrics treated with optical brightening agents.
TEAR STRENGTH IMPROVER						
TEARNON (CONC) Tear strength improver for woven fabric	n	40	✓			Incorporation of Tearnon (Conc) in the normal finishing bath as well as in resin finishing bath improves the tear strength and sewability of the fabric.
COATING AGENTS						
FABCOAT-5300 Soft Aliphatic Polyurethane	a	45	✓	✓	✓	It is non tacky. It is suitable for knife coating. The viscosity of the product can be adjusted by adding thickener. Addition of 2-3% cross linker is recommended to increase the wash fastness of the coating. It is suitable for coating outdoor wear fabrics.
FABCOAT-PU 50 (TF) Hybrid polyurethane	a	50	✓	✓	✓	It forms a medium hard film on the coated fabric. It is non tacky.
FABCOAT-AR 100 Hard Acrylic binder	a	50	✓	✓	✓	It is suitable for knife coating. It forms a very hard film and so it is recommended to be used as an additive to adjust the hardness of the coating.
GARMENT AUXILIARIES						
DENIZYME-WF Water free and stone free bleaching of Indigo denim	n	100	✓			It is an auxiliary which enables water free and stone free bleaching of Indigo dyed denim and sulphur denim to obtain stone wash effects. The process enables saving of water, energy and time.
NEUTRAZYME-573 Neutral cellulase enzyme in powder form, complete replacement of stone	n	100	✓			It is a high performance for achieving stone wash effect. Prevents staining of labels and pockets in denim garment. It is recommended to achieve high colour contrast finish and improved wash look or creation of new look. The process enables saving of water, energy and time.
SARAKOL-BSI 667  Anti-back staining agent in powder form	n	100	✓			It prevents re-deposition of indigo on pockets and denim itself during processing. It produces high contrasting washed effects during denim abrasions. It can be used as an effective washing-off agent to remove back stain from processed denim.
BIO-PPN (CONC) Bio-based, potassium permanganate neutraliser	n	100	✓			A bio-based, formaldehyde free and APEO free product lowering the TDS of effluent. It removes dirty brown stains of manganese oxide which are formed during PP bleaching and makes the denim bleached garment whiter and brighter. It also neutralizes active chlorine and eliminates chlorine odour after hypochlorite bleaching.

PRODUCT NAME & FUNCTION	IONIC NATURE	STRENGTH ±2%	SUBSTRATE			DESCRIPTION
			CO	PES	PA	
SARABRITE  Economical washing-off agent in powder form	n	100	✓			It is an economical cleaning and washing-off agent in powder form. It removes the unfixed indigo dye from the denim garment. The treated denim appears cleaner and brighter.
INDOFIX-641  Dye fixing agent for indigo dyed denim	c	50	✓			It is a dye fixing agent for indigo dyed and sulphur dyed denim garments. It can be applied after desizing and before stone washing or enzyme treatment. It is suitable for pad, exhaust and spray application.
SARASOFT-OZ (CONC) Softener for protecting against ozone fading	c	70	✓			It is a softener which gives protection to denim garments against ozone fading. It does not affect the seam slippage and light fastness of the treated fabric. It can be applied by exhaust as well as by padding method.
HEFLOR-CI (CONC) Metal corrosion inhibitor	n / wa	50	✓			It prevents the garment from staining caused by metal buttons/zippers during processing/dyeing. It inhibits the corrosion of metal accessories on the garment thereby preventing their stains on garment. It is stable from pH 3 to 13.
SARAFINISH-OMP Imparts fancy effects on denim	n	100	✓			A unique formulation to create special effects on denim and non-denim garments either alone or with thermocol balls.

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

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

 = certified product

Certifications



M&S



ROADMAP
TO ZERO



ISO
45001:2018



ISO
17025:2017



ISO
14001:2015



ISO
9001:2015



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