



Sarex

Sarex stands for quality products!

**CHEMISTRY BEHIND
GOOD FEELINGS**

SPECIAL PRODUCTS FOR POLYAMIDE




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PRODUCT NAME & FUNCTION	IONIC NATURE	DESCRIPTION
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PRE-TREATMENT

WETTING AGENTS / DETERGENTS



CELLDET-R  Concentrated, ultra low foaming wetting agent cum detergent	n	It exhibits good rewetting properties and is suitable for scouring and bleaching.
KAYNOL-LSA Lycra Scouring agent	n	It is a solvent free wetting agent cum detergent. It removes stubborn oil, grease and wax dirt from lycra blend fabrics during scouring and bleaching. It is suitable for batch as well as continuous process.

DYEING


LEVELLING & MIGRATING AGENTS

NYLOLEVEL-606 (XC) Levelling agent for polyamide, dyestuff affinity	n	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.
SUPERGEN-KMS Levelling agent for wool and nylon	n	It reduces strike rate of dyes particularly in light shades, which results in excellent penetration and level dyeing.



LUBRICATING & ANTICREASING AGENTS

ANTICREASE (CONC)  Economical, lubricating and crease preventing agent in powder form	a	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	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.
SARAWOOL Wool protecting agent	n	It can be used at all stages of processing of wool. It increases the weight of wool fabric. It reduces permanent setting of the wool especially at boil. It can be effectively used in winches and jets to protect it from creasing.

pH SLIDING AGENT

ACIDON-PA  pH sliding agent	n	It controls the pH throughout dyeing with acid dyes and thus ensures uniform and reproducible dyeing for polyamides.
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DYE FIXING AGENTS FOR ACID / METAL COMPLEX DYES

NYLOFIX-993  Acid stable dye fixing agent in powder form	a	It improves wet fastness properties of the dye fixed fabrics. It can also act as a reserving agent for polyamide /cellulosic blends.
SARAFIX-NEW  Acid stable dye fixing agent	a	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	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

SARASOL-MB Pre-treatment auxiliary for disperse inks on polyester	c	It is a pre-treatment agent applied in continuous process before Ink-Jet printing. It is concentrated, economical and easily dosable.
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PRODUCT NAME & FUNCTION	IONIC NATURE	DESCRIPTION
SARASOL-1101  Universal pre-treatment auxiliary for all inks on various substrates	a	It is a pre-treatment auxiliary to be applied in the continuous process before Ink-Jet printing especially for all types of fabric with disperse, reactive and acid dyes. It delivers level prints with sharp outlines. It has a film forming and adhesion property.
DIGIPRINT-773 Pre-treatment auxiliary for disperse inks on polyester	a	It is applied in pre-treatment process before Ink-Jet printing on polyester fabric. It locally increases the viscosity thereby prevents the spreading of ink. It delivers even prints with sharp outlines and improved colour value. It is ready to use, easily dosable economical product with consistent viscosity.

PIGMENT PRINTING


CELLBIND-FF Formaldehyde free, Soft binder	a	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.
SYNTHICK-P 328 Synthetic thickener for pigment printing	a	It disperses readily in water. It can also be used as thickener for preparation of coating recipe.
CROSSPRINT-CL / CL (CONC).  Formaldehyde free crosslinking agent for pigment printing	n	It enhances fastness properties especially wet rubbing fastness of printed fabric.
TEXPRINT-FF Formaldehyde free crosslinking agent for pigment printing	a	It enhances the wet rubbing fastness properties of pigment printed fabrics.
TEXPRINT-PP Silicone softener for pigment printing	n	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.

FINISHING


SILICONE SOFTENERS - MICRO EMULSIONS

AQUAconc-ET Hydrophilic concentrated softener	n	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.
POLYSOFT-55  Hydrophobic, blocked silicone softener	c	It imparts very good surface smoothness and body break and reduces caustic in weight reduction process. It is suitable in exhaust in soft flow as well as in continuous application.

SILICONE FLUIDS / OILS


FERMA-986  Non-yellowing, Quaternary silicone fluid	–	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	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-PR Blocked silicone softener	n	It imparts soft and fluffy handle to all substrates. It is easily dilutable without use of emulsifier. It gives superior hand feel.




POLYURETHANE EMULSIONS

TEXPEACH (CONC)  Hydrophilic polyurethane based finishing agent	n / wc	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	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.



OIL, WATER & STAIN REPELLENTS

C6 FLUOROCARBON


CAREGUARD-314  No roller build up and excellent water repellency	n	It imparts best results on synthetic fabrics. It is an ideal product for fabrics which are to be coated. It can be applied by continuous, foam and spray technique. It passes Bundesmann test.
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PRODUCT NAME & FUNCTION	IONIC NATURE	DESCRIPTION
CAREGUARD-66 (NEW)  Durable oil and water repellent	n / wc	It imparts very good oil and water repellency especially on cellulosic substrates. It can be applied by continuous, foam and spray technique.
CAREGUARD-7653 Suitable for low temperature curing	n / wc	It imparts excellent oil, water and solvent repellency. It is highly suitable for nonwovens and polypropylene fabrics.
CAREGUARD-823 (CONC) NEW Non-ionic, no roller build up and excellent oil repellency	n	It imparts excellent results on all substrates. It is highly suitable for pigment printed, aramid and taffeta fabrics.
CAREGUARD-OR 359  High oil and solvent repellency	n / wc	It imparts excellent oil, water and solvent repellency. It is highly suitable for pigment printed and aramid fabrics. It passes Gutter Test, ISO 6530:2005.
CAREGUARD-OR 606  High oil and solvent repellency	n	It imparts excellent oil, water and solvent repellency. It is highly suitable for pigment printed and aramid fabrics. It passes Gutter Test, ISO 6530:2005. Its performance is close to C8 based products.



FLUORINE FREE WATER REPELLENTS

ECOGUARD-NEW  High Performance durable water repellent	n / wc	It imparts very good water repellency especially on cellulosic substrates. It is also durable to multiple home launderings after Air-Line-Drying and Tumble Drying. The performance of It is better than the conventional paraffin wax and acrylate based products.
ECOGUARD-SYN (CONC)  Fluorine free water repellent	n / wc	It is a fluorine free speciality product for imparting very good water repellency especially on synthetic fabrics.



EXTENDER / CROSSLINKER FOR OIL, WATER & STAIN REPELLENT

ECOLINK (CONC)  Extender for oil and water repellent	n	Addition of Ecolink (Conc) improves durability to multiple home launderings.
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MOISTURE MANAGEMENT FINISH

ESTOFEEL (CONC)  Hydrophilic finishing agent with antistatic, soil resistant and soil release properties	n	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	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 cellulotics.

COLOUR DEEPENING AGENTS

SARABLOOM-SL  Imparts neutral to redder tone	n / wc	A colour deepening agent to obtain exceptionally high colour depth with neutral to redder tone on all substrates peculiarly on cellulotics. It also imparts good softness on the finished fabrics.
SARABLOOM-2951  Imparts bluer tone	wc	A colour deepening agent developed for fabrics dyed with blacks and navy's. It exhibits exceptionally high colour depth on the fabric imparting bluer tone.
SARABLOOM-EX Colour deepening agent suitable by exhaust application	c	It suitable for blacks, medium and dark dyed fabrics. It is suitable for polyester, polyamide and cellulosic fabrics, since it is shear stable, it is suitable in HTHP machines, soft flow, package dyeing, jigger winch and drum washer machines.

CHLORINE FASTNESS IMPROVERS


SARADYE-429 (MOD)  Chlorine fastness improver for polyamide	n	Developed for fabrics dyed with acid and metal complex dyes. It does not affect the hand feel of the fabric.
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FLAME RETARDANTS

FLAMGUARD-DPS. Durable flame retardant for polyester	n	It is halogen and formaldehyde free flame retardant. It is suitable for polyester, polyamide and polypropylene non woven fabrics. It passes NFPA-701, BS-3119, BS-5852 etc.
FLAMGUARD-CAB Flame retardant for back coating	wa	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.
SARAFLAM-PDR Flame retardant for all substrates and blends in powder form	n	It is a halogen free, non-durable flame retardant which is durable to dry cleaning.

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ANTI-MICROBIAL AGENTS

SARAGUARD- 5700  Silane based, durable and non-leaching	c	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	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.

ANTI-FUNGAL AGENT

ZOROGUARD-ZP Zinc pyrithione based, leaching	n / wa	It exhibits antifungal as well as antibacterial activity. It is effective against broad spectrum of microbes. It passes AATCC-30, AATCC-147 and AATCC-100 and JISL 1902 test methods. It also shows excellent anti-viral properties.
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MOSQUITO / INSECT REPELLENTS

REPELLO-MSQ Permethrin based	a	It is a contact based durable mosquito repellent available in micro dispersed form. It is recommended for cellulosic and other substrates. It is suitable for exhaust as well as padding application.
SARAGUARD-MOSQ DEET (N,N-diethyl meta toluamide) based	n	A micro-encapsulated durable mosquito repellent. It keeps mosquitoes away without them touching the surface of the finished fabric. It is suitable by padding as well as exhaust application. It passes WHO Cone Bioassay test.
SARAGUARD-AP Permethrin based moth and beetle proofing agent	n	It is a durable moth proofing agent developed for the fabrics which are meant for outerwear, sportswear, military fabrics, tents etc. Saraguard-AP treated garments have a knock-down effect on moths and other flying insects.

UV ABSORBERS

SARAFAST-UV 325 Triazine based UV absorber	n	It reduces the fibre damage due to photo chemical degradation. It has very good dispersion stability and hence it is suitable in exhaust method of application.
YUVI-493 Light fastness improver	a	It reduces the fibre damage due to photo chemical degradation. It has very good dispersion stability and hence it is suitable in exhaust method of application.
YUVI-CELL Imparts UPF 40-50	n	It is a durable UV protecting agent. It can be applied to dyed fabrics with minimum shade change.

PHENOLIC / THERMAL YELLOWING PREVENTERS

QUENCH-APY  Phenolic yellowing preventer	a	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	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	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.

COATING AGENTS

FABCOAT-5300 Soft Aliphatic Polyurethane	a	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	It forms a medium hard film on the coated fabric. It is non tacky.
FABCOAT-AR 100 Hard Acrylic binder	a	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.

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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GOTS



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