Product Name	Product Description (few lines)	Features & Benefits (4-5 pointers)	Chemical Base	Ionic Character
DYEFIX NYC	Dyefix NYC is a leveling, fixing and reserving agent used in the dyeing of polyamide fibers with acid dyestuffs, 1:2 metal complex & direct dyes. Due to its affinity towards polyamide fibers reduces rate of exhaustion of acid dyestuffs & also improves migration. This results in a level dyeing	1. Promotes level dyeing's with acid, milling, metal complex & chrome dyes on wool, silk & polyamide fibers and with other fibers. 2. Promotes penetration of the dyeing & excellent migration effect even with high affinity dyestuffs 3. Reduces the tendency of streakiness. 4. Good wetting & dispersing power. 5. Particularly improves fixing and levelness of the dyeing; depth of shade & synchronous exhaustion of 1:2 metal complex dyes with sulpho groups (1:2 metal complex dye).	Mixture of non-ionic & anionic surfactants	Anionic
Altranol ELB	Clay based wetting/ scouring/ emulsifying agent for cotton/lycra blends	1. Removes waxes, mineral and silicone oils 2. APEO Free	Clay based with surfactants	Nonionic
ALTRANOL-RK	Altranol-RK is a specialty scouring agent based on APEO Free surfactants for the removal of silicone oil, and wax based residues from cottons, synthetics and their blends with spandex/lycra.	1. Is free from chlorinated solvents and banned/ harmful chemicals. 2. Is a powerful cleaning agent even at ambient temperatures to remove oily contamination from all substrates, ensuring clear and uniform dyeing's. 3. Does not contain alkyl phenol ethoxylates (APEO-free auxiliary) and has minimum effluent problems. 4. Is suitable for batch wise application and in continuous processing ranges	Fatty alcohol alkoxylate	Non-ionic
Altranol- MRK	Scouring agent for removal of silicone oils/waxes from cellulosics, synthetics and blends with lycra	1. APEO Free 2. Is a formulation based on an environmentally acceptable solvent blended with surfactants, for removing stubborn oil, grease or wax stains	Fatty alcohol alkoxylate	Anionic
Altranol GR	Scouring agent for polyester/nylon/ elastane blends. Auxiliary to reduce yellowing of polyamide, polyester and blends of these fibers with spandex fibers during heat setting	1. Prevents yellowing of polyester/nylon and their blends with elastane in heat setting 2. Especially good for Optically brightened whites and pale shades 3. prevents the oxidation of the amino-end groups of polyamide during heat-setting. Due to this prevention-mechanism, higher colour-yields can be found when dyeing polyamide and result in better reproducibility.	Specialty products and surfactants	Nonionic
Altranol NPA	Protecting agent to prevent degradation of cotton/nylon and cotton/elastane in bleaching and heat setting	1. Prevents yellowing of polyester/nylon and their blends with elastane in heat setting 2. Especially good for Optically brightened whites and pale shades	Specialty products and surfactants	Nonionic
NEUTROX-CT	Neutrox-CT is developed to prevent yellowing of fabric due to storage conditions.White and brightly colored fabrics often produce yellowing due to the absorption of butylated hydroxytoluene-based antioxidants. Phenolic yellowing preventing agent	1. Affinity with fiber, good levelness. 2. Reproducible, compatible with anionic brighteners. 3. Can be bathed with brighteners, does not affect fastness performance. 4. Exhaust processing for moderate speed operation of fabrics 5. These antioxidants are widely found in packaging materials (such as packaging films), allowing the fabric to be stored during storage. Yellowing will occur.	- Based on Carboxylic polymer.	Anionic
QUENCH-UWP	Quench-UWP is highly effective fiber stabilizer for reducing yellowing of polyamide and PA blends during exposure of any kind of heat.	1. It prevents especially the yellowing during molding and heat setting processes. 2. It protects all types of polyamide fibers and their blends with elastomer fibers against oxidative damage, thus reducing yellowing due to thermic and photochemical influence. 3. Avoids yellowing of optical brightened polyamide and it blends during heat setting or molding processes. 4. Prevents shade changes of pastel dyed polyamide and its blends during heat setting or molding treatments. 5. Highly effective even in small amounts.	Carboxylic acid derivative	Non-ionic

Quench RPY	Special product to minimize phenolic yellowing	1. Reduces the tendency of phenolic yellowing which can develop during storage of light textiles in synthetic wrappings. Phenolic yellowing is caused by BHT (2.6-dibutyl-hydroxy-toluene) which is partially used as anti-oxidation agent in such wrappings. 2. Quench RPY is well stable to hardening agents of water as well as to alkalis and acids in normal industrial concentrations. 3. Quench RPY can be applied together with the softener, but its compatibility with finishing products has to be checked prior to application.	Sulfonic acid derivatives & specialty additives	Anionic
Allenol PYP/Quench PAT	Antiphenolic yellowing agent. High performance composition designed for treating fabrics & garments from yellowing due to storage conditions	1. Normally white PA turn yellow even under slightly acid conditions. This is due to the cationic character of the free amino end-groups of PA which interact with the antioxidant derivate 2.Allenol-PYP is preventing such yellowing while blocking the free amino end-groups of the PA.	Sulfonic acid derivatives & specialty additives	Anionic
QUENCH-AYXL	Quench-AYXL is a protective agent for the prevention of yellowing of Polyamide goods which is caused by phenolic substances and the oxides of nitrogen during storage	1. Prevents phenolic yellowing of polyamide goods during storage by blocking the free amino end groups of polyamide fibers. 2. Specially developed product for padding process with optimized acid buffering system to automatically adjust the pad liquor pH. 3. Resistant to hard water salts and acids. 4. No influence on the degree of whiteness. No negative influence on thermal yellowing. 5. Light fastness unaffected.	Based on sulphonated derivatives	Anionic
DYTEC-MCH	Dytec-MCH is an acid donor for dyeing of polyamide and wool with acid dyestuffs.	1. Dytec-MCH is an acid donor designed for dyeing of polyamide and wool with acid dyestuffs. 2. Even lowering of pH value during the heating-up period in contrast to conventional buffer systems which maintain a constant pH value. 3. Lowers final pH value up to 4.0. 4. Even absorption of the acid dyestuffs by the fiber over the entire dyeing process. Optimal controlled dyebath exhaustion. 5. Insensitive to electrolytes. Foam-free. 6. Increased process safety (local acid overdoses avoided). 7. Minimal danger of cauterization in contrast to acids.	Methanoic acid ester of glycol	Non-ionic
DYLEV-NL-SPL	Dylev-NL-SPL is a leveling and reserving agent used in the dyeing of polyamide fibers with acid dyestuffs, 1:2 metal complex & direct dyes. Due to its affinity towards polyamide fibers reduces rate of exhaustion of acid dyestuffs & also improves migration. This results in a level dyeing	1. Promotes level dyeing's with acid, milling, metal complex & chrome dyes on wool, silk & polyamide fibers and with other fibers. 2. Promotes penetration of the dyeing & excellent migration effect even with high affinity dyestuffs 3. Reduces the tendency of streakiness. 4. Good wetting & dispersing power. 5. Particularly improves levelness of the dyeing; depth of shade & synchronous exhaustion of 1:2 metal complex dyes with sulpho groups (1:2 metal complex dye).	Mixture of non-ionic & anionic surfactants	Anionic
DYLEV-SMK	Dylev-SMK due to its substantively for 1:2 metal complex dyes such as Lanasyns enforces a slow & even rate of absorption which is excellent penetration & level dyeing.	1. Levelling agent for 1:2 metal complex dyestuffs for polyamide & wool. 2.It is applicable in dyeing of wool, silk and polyamide fibers in weakly acid baths (pH 4 - 5) and also in ammonium sulphate (pH 6 - 6.5) process.	Nitrogenous condensation product	Amphoteric / Non-ionic
DYLEV-FTSK	Dylev-FTSK is a levelling agent with affinity for dyes for use in the dyeing of polyamide, wool & silk	1.Dyeing polyamide, wool or silk with selected acid and 1:2 metal-complex dyes. 2. Levelling and brightening faulty dyeings. 3. Leveling of structural differences in the fiber. 4. Improves penetration of dyeing's. 5. Improves the combination behavior of acid dyes. 6.• It retards the uptake of dyes by polyamide fibers with a high strike rate and thus ensures good leveling and uniform uptake of dyes throughout the dyeing process.	Complex blend of surfactants	Weakly anionic / non-ionic

DYEFIX-RN/Conc	Dyefix-RN conc is a wet fastness improver for metal complex & acid dyes on nylon, wool, silk and blends.	1.Dyefix RN conc is an excellent reserving agent when dyeing nylon/cotton blends. 2. It imparts excellent fixing effect to improve the wet fastness of treated fabrics. 3. Improves wet fastness of nylon & nylon/elastic. 4. No detrimental influence on the color shade of nylon fabrics. No side effect on light fastness. 5. Prevent cross staining after wash-off for printing. 6. Minimal shade change and handle.	Polyphenolic type condensate	Anionic
Dyefix-RN	Fixing agent for acid dyeing on nylon & wool fabrics.	1.An excellent reserving agent when dyeing nylon/cotton blends 2. It imparts excellent fixing effect to improve the wet fastness of treated fabrics	Polyphenolic type condensate	Anionic
Dyefix-NCF	Chlorine fastness improver for polyamide	Fixing agent for improving the fastness to chlorine of nylon fabric. Excellent after fixing agent for improving fastness to chlorine and wet contact staining	Methylene linked condensation product	Anionic
Dyefix FN BPF	Dyefix-FN-BPF is an eco-friendly acid dye fixing agent and reserving agent with the latest environmental regulations.	1. It is developed in APEO FREE & Bisphenol A (BPA) , Bisphenol S (BPS) , Bisphenol F, Bisphenol B & Bisphenol AF below detection limit . 2 It is effective in improving the wet fastness (washing, boiling, sweat, water, chlorine) of dyed and printed nylon/silk materials.	Sulfonic acid polymer sodium salt solution	Anionic
ANTISLIP-ASA	Antipil & antislip agent produced by an insitu reaction which results in stable nano dispersions.	1. Improving seam resistance and resistance to thread slippage of all slippage-prone fabrics, particularly suitable for apparel fabrics like blouses and shirts. 2. Outstanding soft handle compared to conventional anti-slipping agents, hand feel is maintained on fabric. 3. Greatly improves resistance to thread slippage and seam strength. 4. Avoids seam damage on the garments during wearing.	Pyrogenic silica sol	Weakly Cationic
ANTIPIL-FW	Antipil & antislip agent produced by an insitu reaction which results in stable nano dispersions.	1. Improving seam resistance and resistance to thread slippage of all slippage-prone fabrics, particularly suitable for apparel fabrics like blouses and shirts. 2. Outstanding soft handle compared to conventional anti-slipping agents, hand feel is maintained on fabric. 3. Greatly improves resistance to thread slippage and seam strength. 4. Avoids seam damage on the garments during wearing.	Pyrogenic silica sol	Weakly Cationic
AQUACOAT-UC	Aqueous, durable finishing agent designed for single or multiple coating applications. It imparts a clear medium soft, non-air permeable continuous flexible coating on all kinds of synthetic woven fabrics & their blends.	1. It imparts a clear medium soft, non-air permeable continuous flexible coating on all kinds of synthetic woven fabrics i.e. Nylon, Polyester, Polypropylene & their blends. 2. The coated fabrics exhibit excellent fabric drape & flexibility. A dry smooth semi dual surface & drastic reduction in air and water permeability. These properties are durable to dry cleaning and laundering. 3 It is recommended for following applications: Umbrella Fabrics, Active sportswear, Wind Cheaters, ski-suits, Soft luggage, Awnings, Boat Sails, Boat covers, Continental quilt covers etc.	Specialty acrylates & Polyurethane	Anionic
AQUACOAT-AFA	A water soluble polyester co-polymer resin which acts as anti-fraying agent	1. It has superior adhesive & cohesive property with various kind of materials, particularly with the resin materials (polyester, vinyl chloride, and polycarbonate) & the metallic materials (Aluminum, copper). 2. Minimum loss in elongation. 3. Superior weather resistance, since it does not contain double bond in its saturated polyester resin. 6. Forms transparent film after drying.	Polymeric Polyester Resin	Anionic
Aquarepel XC-630-ECO	Aquarepel-XC-630-ECO is C6 chemistry based fluorocarbon concentrated product for technical articles and synthetic based fibers for water, oil and alcohol-repellent effects.	1. Main application areas are textiles made of synthetic and cellulosic fibers and their blends 2. It offers high washing durabilities by using a blocked isocyanate. 3 It belongs to a generation of high LAD (laundry air dry potential). 4 It shows good stabilities against atmospheric conditions and UV-radiation. 5 It does neither contain detectable amounts of PFOS nor PFOA.	Dispersion of a fluorine compound	Weakly cationic

AQUAREPEL-ZERO-FC	A long-lasting, fluorine-free water repellent finish targeted to fabrics used in outdoor, leisure and sportswear applications.	1. Water repellency: It offers superior water repellency levels to existing fluorine-free products available on the market and close to C6 fluorochemicals. To recover the water repellency after laundering, ironing is not necessary. 2. Pleasant touch: softness and bulky hand-feel ensures the fabric stays pleasant to the touch. 3. No impact on breathability of the fabric. 4. Sustainability: fluorine-free. Ecofriendly. 5. Free from PFCs (Perfluorinates) & banned substances.	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic
AQUAREPEL-XAN	A fluorocarbon extender with outstanding effect improvement in combination with fluoro chemicals. Optimizing the oil & water repellent effects on delicate articles	1 Marked improvement of the fastness to washing and dry cleaning & abrasion resistance. 2 Optimizing the oil and water repellant effects on delicate articles. 3 The fabric protection is retained on a high level.	Dispersion of an oxime blocked polyisocyanate	Cationic / Non-ionic
SANIGUARD-7500	Saniguard-7500 is a potent Anti-Bacterial, Anti-Viral, Anti-Fungal, Anti-Mold, Anti-Yeast & Anti-Biofilm. It is a broadspectrum, non-leaching, non-toxic, durable antimicrobial. It is hydrophobic, non-migrating & is not consumed by microorganisms	1. It is durable, nontoxic antimicrobial imparting broad spectrum, bio-static activity to the surface of a wide variety of substrates. 2. It is non-leaching, non-migrating & is not consumed by microorganisms. 3. It is effective against gram positive and gram-negative bacteria, fungi, viruses, Mold, algae & yeasts. 4. Prevents deterioration & discoloration caused by bacteria, fungi, algae & yeasts. 5.Prolongs the life of an article by inhibiting the growth of bacteria and mildew. 6. It provides hygienic freshness. It resists odors through chemical protection. 7. It retains the freshness of an article by inhibiting or resisting the growth of odor causing bacterial and mildew (fungus).	Silane quat ammonium compound	cationic
ALAROMA-IR	Alaroma IR is vector i.e. mosquitoes , ticks, tsete flies repellent product suitable for synthetic, cellulosic (cotton) & natural fabrics like wool, silk, jute etc & its blends.	1. Prevents vectors such as mosquitoes, ticks, tsetse flies etc. from landing/biting. 2. Has an outstanding wash resistance & does not influence fabric color. 3. Work on knock down action method i.e. and functions as a neurotoxin, affecting neuron membranes by prolonging sodium channel activation 3. Passes WHO/CTD/WHO PES/IC/96.1 & US Patent 5,198,287 & USDA laboratory Method	Permethrin complex	Weakly anionic
ALAROMA Microencapuslated	Microencapsulated fragrance for textile application.	Fragrance & Aroma- Chemicals Antimicrobials (Antifungals, Anti-Mite, Anti-Bacterial, Antivirals) Oil Soluble Vitamins Phase Change Polymers UV Blockers Pesticides Self-Healing Polymers	Dispersible aminoblast capsule slurry with acrylates	Weakly Anionic
PERMAFIN-ZF	Permafin-ZF is a non-formaldehyde urethane finish based on non-yellowing thermo reactive urethane prepolymer with built-in catalyst. It is designed to impart a naturally soft hand, high impact resilience, down proof finish coupled with durable hydrophilicity. It is self-crosslinking, forming extensive 3 dimensional elastomeric films of reticular construction on all fabric substrates. This results in improved C.R. angles & D.P. appearance ratings on woven & excellent stretch/recovery & shape retention on knit.	1. A naturally soft (wet-touch-type) & full hand especially in combination with organo functional silicone emulsions. 2. Elastomeric finish with high impact resilience resulting in improved fabric elasticity, stretch / recovery & shape retention in knits. 3. Improved springy & bouncy handle with enhanced wet & dry crush resistance resulting in improved D.P. appearance ratings. 4. Compacts non-resinated knit. Improves pile retention for corduroy fabrics. 5 Improves sanforizing performance.	Urethane pre-polymer	Weakly cationic/non-ionic

POWERSIL-171	Powersil-171 is weakly cationic micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Powersil-171 is particularly designed to the degree of fabric softness. It penetrates deep into the fiber bundle giving a luxurious soft handle	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics & garments 2. Can be applied by pad and exhaust. 3. Improved sewability. 4. Improved crease recovery angle & resilience. 5. Improved tear strength & abrasion resistance. 6. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 7. . Premium softness & silky luxuries handle on woven & knitted fabrics.	Emulsion of modified amino siloxane	Weakly cationic
POWERSIL-HM-PLUS	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1.Offers softness along with hydrophillicity to cotton and other natural fabrics. Extremely useful for application on terrytowels and clothes in intimate contact withbody Offers excellent anti-static properties 2. does not cause any yellowing on white fabrics. 3.Helps garments keep their shape during washing, drying and wearing	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
POWERSIL-SSX	Powersil-SSX is an emulsion especially developed for pile fabrics made of polyester & polyester rich textiles like rugs, bath mats, chenille, mink fabrics etc. Treated fabric gives soft, greasy, excellent smooth surface on all type of fabrics	1. Treated fabric exhibits fluffy smooth feel. 2. Shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 3. Suited for all type of fabrics especially polyester & polyester rich blend 4. . Treated fabric exhibits fluffy smooth slick feel on polyester mink, rugs, fleece, chenille fabrics.	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
POWERSIL-4151	Powersil-4151 is an emulsion especially developed for piled fabrics made of polyester & polyester rich textiles like rugs, bath mats, chenille, mink fabrics etc	1 . Treated fabric gives excellent smooth fluffy and greasy surface on all type of fabrics fluffy 2. Shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 3. Suited for all type of fabrics especially polyester & polyester rich blend.	Block silicone	Weakly cationic / non-ionic
QUEST-NY	Quest-NY is a surface active unique polyamide polymer in dispersion developed to modify the polyamide yarns and fabric surface by forming a film layer of particles in Nano-level which stay evenly and quality stated here under in a washing resistance target to achieve 50 times.	1. It provides even and deep film layer of hydrophilic property on/in the yarns and fabrics. 2. High speed water absorbency and quick drying-up. 3. SR (soil-removal and soil re-deposition controller) properties against stains and dirt's. 4. Anti-static property. 5. Softening property.	Polyamide polymer composite in dispersion	Non-ionic
GLOGARD-CT	Glogard-CT is an organo phosphorous compound for wash permanent, flame retardant finishing of textiles made from Polyester fibers, polyamide & blends.	1. Flame retardant for polyester, polyamide and its blend and PU coating. 2. High resistance to laundering and dry cleaning. 3. Low volatility and good compatibility to major polymer. 4. Good retention of handle and drape after processing. 5. Non-toxic and high safety. 6. Readily combined with other additives such as water & oil repellent finish etc. 7. Meets low fogging requirement for automotive goods. 8. It should be pre-diluted with water. 9. Can be used either alone or in combination with acrylic / polyurethane binders.	Organo phosphorus compound	Nonionic/ weakly cationic