

Product Name	Product Description (few lines)	Features & Benefits (4-5 pointers)	Chemical Base	Ionic Character
ALTRANOL-XC	Altranol-XC is a dye transfer inhibitor for laundry detergents.	<ol style="list-style-type: none"> 1. Dye transfer inhibitor for laundry detergents. It is a special modified polymer that prevents bleeding dyes from staining other garments. It thereby contributes significantly to the development of high-performance color detergents. 2. It offers an excellent cost/benefit ratio in detergent formulations. 3. It is the most effective dye transfer inhibitors for liquid laundry and powder detergents, compared with conventional polyvinylpyrrolidone polymer (PVP). 	Pyrolidone copolymer	Weakly cationic
ALTRANOL-OL	Altranol-OL is an excellent scouring agent, wetter & detergent, stable to high temperatures & alkaline conditions. It displays pronounced emulsifying action promoting rapid & uniform removal of all hydrophobic impurities pigment soils & stains from cellulosic, regenerated cotton & synthetics, & from wool & its blends.	<ol style="list-style-type: none"> 1. It is an efficient desizing agent & enables removal of all synthetic sizing agents commonly used in size recipes. 2. It is non-toxic to enzymatic activity. 3. At higher concentrations it has good stain removing action. 4. Anionic detergent used after cationization and weight reduction for washing. 	Blend of complex surfactants	Anionic
ALTRAPLEX-WAK	Altraplex-WAK is a wetting agent, detergent for bleach bath additives for batch wise pretreatment and continuous immersion processes. APEO free. For scouring of wool	<ol style="list-style-type: none"> 1. Good enzyme compatibility. 2. Good wetting properties, detergent, cleansing effect. 3. High stability to oxidation and reduction bleaches. 4. Very good stability to alkali and acid. Good stability in hard water. 5. Reduced storage owing to multiple uses. 6. Good emulsifying properties for knitting and weaving lubricants, oils and waxes. 7. Good soil-suspending and anti-redeposition properties. 	Based on ethoxylates	Non-ionic
Modtex D Paste	Versatile detergent with powerful wetting and dispersing properties.	<ol style="list-style-type: none"> 1. It is eminently suitable for scouring, kier-boiling and post-dyeing soaping treatment for all fibres. 2. It combines high cleaning efficiency with powerful emulsification properties for mineral oil, vegetable oil and animal fats. It has therefore been found particularly valuable and effective in the woollen and worsted industry in scouring and preparation processes for raw wool, worsted and woollen yarns and fabrics, carpet yarns, knitted webbing, hose and garments and for milling of woollen fabrics. 	Based on sulphate alcohols	Anionic
ALTRAPLEX-IW	Altraplex-IW is a highly effective dispersing agent for dyeing of synthetic fibers & blends with wool & cellulosic. Altraplex-IW is a leveling agent for dyeing wool with 1:2 metal complex dyestuffs with no free sulpho groups. It also helps as leveling agent for brightening or correcting faulty dyeing's with 1:2 metal complex dyestuffs.	<ol style="list-style-type: none"> 1. Concentrated liquid brand. 2. Can be readily diluted with water without gel formation. 3. Very good dispersing effect. 4. Improves the dispersion and migration power of 1: 2 metal complex dyestuffs. 5. Makes possible the dyeing of wool at pH 4-5. 	Alkyl polyglycol ether	Non-ionic
DYLEV-FBSE	Dylev-FBSE due to its substantivity for 1:2 metal complex dyes enforces a slow & even rate of absorption which is excellent penetration & level dyeing.	<ol style="list-style-type: none"> 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-SMK	Dylev-SMK due to its substantivity for 1:2 metal complex dyes enforces a slow & even rate of absorption which is excellent penetration & level dyeing.	<ol style="list-style-type: none"> 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 B	Dylev-B is a leveling agent for dyeing wool with reactive dyes especially suited for LANASOL wool reactive dyes.	<ol style="list-style-type: none"> 1. It has outstanding leveling properties with improved surface and fiber levelness. Increased dye yield. 2. It can also be used with acid, chrome and 1:1 metal complex dyes 	Hydroxyethylated fatty acid amine derivative	Non-ionic
ALTRAPLEX-WPA	A fiber protective agent for wool when dyeing PES/WO blends at temperatures up to max 120°C.	<ol style="list-style-type: none"> 1. Counteracts the degradation of keratin by cross-linking. 2. Textiles treated with Altraplex-WPA are practically formaldehyde-free. 	Based on complex polycarboxylates	Anionic

ALTRAPLEX-PW	Altraplex-PW is a fiber protecting agent for dyeing wool at low temperatures or with a shorter dyeing time at 98°C. It protects wool fiber damage.	<ol style="list-style-type: none"> 1. Good dye yield when dyeing wool and other animal hair/fiber below the boil (e.g. at 85°C). 2. Shorter dyeing time at 98°C. 3. Leveling and dispersing action. 4. Beneficial when applied in the iso-electric range of wool. 5. Softening properties; maintains the quality of the wool. 6. Good wetting out. 7. Low foaming. 	Complex polycarboxylates preparation	Non-ionic
Quench-APB	Quench-APB is used to prevent photo yellowing of wool & other natural fibers which is undergoing photo fading when exposed to sunlight	<ol style="list-style-type: none"> 1. When wool carpets are exposed to light, particularly sunlight, visible color changes can sometimes be observed, particularly in pastel shades. This effect, known as photo bleaching or red shift, may be observed soon after a carpet is laid, a period when consumers are particularly sensitive to product performance. The effect is particularly noticeable when furniture is moved, revealing a color difference between the areas of carpet which have been exposed to light and those which have not. 	Blend of specialty anionic surfactants & inorganic salts	Anionic
DYTEC-MCH	Dytec-MCH is an acid donor for dyeing of polyamide and wool with acid dyestuffs.	<ol style="list-style-type: none"> 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
DYTEC-NYL	Dytec-NYL is used as an acid donor for automatic pH regulation of the dye bath when dyeing PA and WO with acid or 1:2-metal complex dyestuffs.	<ol style="list-style-type: none"> 1. Highly concentrated. 2. Controlled release of acid with increasing temperature of the dye bath. 3. Foam-free. 4. Easily dispersible in cold or warm water. 	Methanoic acid ester of glycol	Non-ionic
Dermaset MQ	Dermaset MQ wool care product is suitable for all wet processing operations of 100% wool or wool rich blends. Applied during wool milling.	<ol style="list-style-type: none"> 1. Improves quality of wool for all stages of processing. Lubricating effect 2. Anti-setting and anti-felting effect for all stages of wool processing. 3. Carding and spinning properties of loose material are improved. In package dyeing, flattening on crossover points is reduced and bulk increased. In piece dyeing, running marks and felting are prevented. 	ACRYLATE POLYMER	Anionic
Altraplex PW	Altraplex-PW is a fiber protecting agent for dyeing wool at low temperatures or with a shorter dyeing time at 98°C. It protects wool fiber damage.	<ol style="list-style-type: none"> 1. Good dye yield when dyeing wool and other animal hair/fiber below the boil (e.g. at 85°C). 2. Shorter dyeing time at 98°C. 3. Leveling and dispersing action. 4. Beneficial when applied in the iso-electric range of wool. 5. Softening properties; maintains the quality of the wool. 6. Good wetting out. 7. Low foaming. 	Complex polycarboxylates preparation	Non-ionic
PROFINISH-L-18	Profinish-L-18 is an anionic crease preventing agent / dyebath lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units	<p>☐ It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers.</p> <ol style="list-style-type: none"> 1. It is used in pretreatment, dyeing and after treatment. 2. Suitable for jet application. 3. Stable at temperatures up to 135°C. 4. Good stability to alkali and electrolytes. 5. Low foaming. 	Fatty sulphonate preparation	Anionic
Lubassist 109-ECO	Lubassist-109-ECO is an anionic crease preventing agent / lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units.	<ol style="list-style-type: none"> 1. ☐ It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers. 	Fatty sulphonate preparation	Anionic

PROFINISH-NPF	Profinish-NPF is a wet waxing and softening agent for the finishing of yarns made of synthetic fibers, wool and their blends.	<ol style="list-style-type: none"> 1. For the finishing of yarns made of synthetic fibers, wool and blends of these; also suitable for cellulosic fibers. 2. Low concentrations give extremely smooth yarns. 3. High yield from long liquors. 4. Good abrasion resistance. 5. Antistatic properties. 	Paraffin wax/fatty acid amide	Weakly cationic
ALTRAPLEX-WSA	Developed as a color stripping agent.	<ol style="list-style-type: none"> 1. Vintage looks or faded effect on garment. 2. High redox potential. Redox buffer for sulphur & vat. Stable vat. 3. Reductive bleaching. 4. Reductive stone wash for denim. 	Based on sodium borohydride	Cationic
Dyefix-NBS	Dyefix-NBS is a wet fastness improver for metal complex & acid dyes on nylon, wool, silk and blends.	<ol style="list-style-type: none"> 1. It is suitable for dipping and continuous method and does not change color shade or tone. 2. Unlike conventional tannic acid and tartar emetic fixing method, it enables one bath fixing and therefore fixing process and time can be shortened. 	Methylene linked condensation product	Anionic
Saniguard-BT-988	Saniguard-BT-988 is a mothproofing agent against implication of moths, carpet coleopters, hair coleopters and their larvae	<ol style="list-style-type: none"> 1. Moth & beetle-proofing agent for the treatment of wool & its blends, feathers & animal hairs. 2. Highly effective against Tineola/Tinea (moths), Anthrenus (carpet beetles), Attagenus (for beetles) and Hofmannophila. Ps. (false clothes moth). 	Synthetic pyrethrum-derivate	Slightly Anionic / non-ionic
SANIGUARD-EPA	Saniguard-EPA is a moth & beetle-proofing agent for the treatment of wool & wool blends, feathers & animal hair.	<ol style="list-style-type: none"> 1. Highly effective against Tineola/Tinea (moths), Anthrenus (carpet beetles), Attagenus (for beetles) and Hofmannophila. Ps. (false clothes moth). 2. Wool treated with Saniguard-EPA as instructed in the guide recipes meets the requirements set by the Wool mark Company 1), GuT and Wools of New Zealand 1). 3. Saniguard-EPA treated uniforms or garments have a knock-down effect on flying insects like mosquitoes and flies and on crawling insects like ants, mites and cockroaches 	Preparation of permethrin (synthetic pyrethroid)	Nonionic
SANIGUARD-7500	Saniguard-7500 is a potent Anti-Bacterial, Anti-Viral, Anti-Fungal, Anti-Mold, Anti-Yeast & Anti-Biofilm. It is a broad spectrum, non-leaching, non-toxic, durable antimicrobial. It is hydrophobic, non-migrating & is not consumed by microorganisms	<ol style="list-style-type: none"> 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
DERMASET-BAP	Dermaset-BAP is a special finishing agent for articles made of wool and wool blends for antifelt finishing without pre-chlorination, improved dimensional stability, stretch capacity and elastic recovery, reduced pulling and snagging, improved abrasion resistance, modification of the handle (volume, harshness) on all types of fiber.	<ol style="list-style-type: none"> 1. For felt-free finishing of wool which have not been pre-chlorinated. 2. Excellent shrink resist, wash and wear finish on wool and its blends. 3. Improves stretch and shape recovery especially on knit goods. 4. Reduces pilling and snagging and improves abrasion fastness. 5. Excellent dimensional stability and synergistic effect. 6. No significant deterioration on shade and fastness. 7. Negligible impairment on the degree of whiteness. 	Thermo-reactive polyurethane	Anionic
Dermaset-342	Chemical fixation of wool and wool blends	<ol style="list-style-type: none"> 1. Anti felt finishing without pre-chlorination. 2. Improved dimensional stability, stretch capacity and elastic recovery, reduced pulling and snagging, Improved abrasion resistance. 	Thermo-reactive polyurethane	Anionic
Glogard THPC-U	Glogard-THPC-U is a durable flame retardant for cellulosic & protein fibers and their blends with synthetic fibers (synthetic component does not exceed 30% of total fabric wt.).	<ol style="list-style-type: none"> 1. is of high purity, low toxicity to the environment 2. The treated fabrics exhibit flame-retardant properties even after 30 laundings. 	Tetrakis(hydroxymethyl)phosphonium chloride (THPC)	Nonionic

GLOGARD-NC	Glogard-NC is a water-soluble, non-durable flame retardant for cellulosic, synthetics and their blended substrates. It is a non-hazardous, readily biodegradable & has no adverse effect on the environment	<ol style="list-style-type: none"> 1. It is durable to dry cleaning & not to washing(non durable). 2. It is suitable for woven, knitted and non-woven fabric substrates. 3. It imparts a soft handle. 4. It is Halogen free 	Blend of inorganic and organic salts	Nonionic
Modfinish PNLI	Modfinish-PNLI is a cation-active, substance feel modifier for synthetic fibers and their blends with wool and cellulosic fibers. Specially suitable for acrylics	<ol style="list-style-type: none"> 1. - Full, smooth, soft handle effects can be obtained with Modfinish-PNLI on synthetic fibers and their blends with wool and cellulosic fibers. 2. - According to the amount applied, this softener produces a voluminous handle on acrylic high bulk yarns. It is also suitable as a lubricant in spinning preparations. 	Fatty acid amide derivative in aqueous dispersion	Cationic
Permafin-UR	Permafin-UR-New is formaldehyde free, self-crosslinking, permanent polyether polyurethane polymer. It forms a highly elastic film around the fibers. The basic handle is soft &high bulk. This properties form the basis for a number of applications.-New is formaldehyde free, self-crosslinking, permanent polyether polyurethane polymer. It forms a highly elastic film around the fibers. The basic handle is soft &high bulk. This properties form the basis for a number of applications.	<ol style="list-style-type: none"> 1. Additive for low-formaldehyde resin finishing. 2. Handle modifying agent given full, soft handle. 3. Additive for post-cure resin finishing. 4. For use in felt-free finishes. 5. Improves abrasion resistance and rub fastness. 6. Reduces pilling. 7. Fiber-bonding agent 	Aqueous preparation of a modified polyether polyurethane	Weakly cationic
PERMAFIN-SLR	Permafin-SLR is self-crosslinking polyurethane for finishing technical textiles, suitable for all fibre types or fibre blends. It reduces the tendency to pill and snag. It increases resilience and elastic recovery. It forms a very soft, elastic, opaque and tack-free film.	<ol style="list-style-type: none"> 1.Soft, reducing pilling and enhancing resistance to Velcro tape. 2. Improves tear strength, tensile strength and abrasion resistance. 3. Suitable for chintz finishes durable to washing. 4. Improves the crease recovery when used in resin finish. 5. Improves the dry rub-fastness. 6 Resistant to washing and dry cleaning. 7. Does not affect the hydrophilic properties of the finished fabric. 8. Forms a very soft, elastic, transparent and tack-free film. 9. It is free from hydrosulphite and hence no negative effect on dyes. 10. Free from formaldehyde and organotin compounds. 	Reactive polyether polyurethane	Non-ionic
ALLEN ANTIDUST ADP	Specialty product designed to impart anti-pollen & anti-dry dust repellent properties to the treated fabrics.	<ol style="list-style-type: none"> 1. It has the excellent anti-pollen & anti-dry dust effects with good durability under repeated washing. 2. Applicable on apparel fabrics, upholstery, carpets and other household textiles. 3. Does not cause coarsening of handle or any hindrance to water absorbency in treated fabric. 4. It minimizes pollen & dry dust from adhering to the fabrics & allows easy removal of dust & pollen from the fabric. Imparted properties are durable to multiple wash & dry-clean cycles. 	Modified ceramic Nano-dispersion	Non-ionic / weakly cationic
Powersil HM Plus(Biobased)	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	<ol style="list-style-type: none"> 1.Offers softness along with hydrophilicity 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 4. It complies with cyclic (D4, D5, D6) contents of below 1000 ppm. 5. Emulsified using plant based fatty alcohols ethoxylates 	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic

PROFINISH-AC	Profinish-AC is an excellent antistatic, softening & lubricating agent for synthetic & their blended fabrics. It imparts a soft bulky hand coupled with excellent static dissipation & lubricity. It eliminates yarn breakage, fly & piling in the knitting process. It is a durable non-yellowing & substantive agent recommended for Acrylics, polyester, polyamide cellulosic & their blends	<ol style="list-style-type: none"> 1. Non-yellowing scorch resistant anti-stat & lubricant for synthetics. 2. A very soft warm bulky & non-greasy handle. 3. Improved tear strength, abrasion resistance, wrinkle recovery & sewability. 4. Promotes knit processing by reducing yarn breakage, fly & piling. 5. No influence in dyeing properties of acrylic fibers with cationic dyes. 6. No retarding action on cationic dyes & does not block their exhaustion. 7. Does not promote filtration even on tight materials. 8. Applicable by pad, exhaust & spray methods. 9. Durable finish stable to several washing & laundering cycles. 	Fatty acid Polyamine condensate	Cationic
POWERSIL-360	Powersil-360 is a power packed softener & hand modifier based on proprietary engineered hybrid polysiloxane & APEO free surfactants. The semi micro emulsion is specifically designed to ensure optimum orientation of the modified siloxane on fabric substrates during drying, enabling unsurpassed balance of surface slickness & smooth hand, improved definition of colors, enhanced fabric physical properties, reduced bending rigidity & optimized drape. The effects are durable to multiple cycles of home washing & dry cleaning	<ol style="list-style-type: none"> 1. Suitable for all kinds of fabric especially cotton woven & denim garments & fabric. It gives excellent surface smoothness on Polyester wool & woolen fabrics 2. It imparts a typically soft, waxy, peaches type handle to fabrics. 3. Benefits wash wear performance. Suitable for padding and exhaust method. 4. Provides good surface smoothness. 5. Treated fabric gives least amount of thermo migration in polyester fabrics. 6. Improves color depth & brightness of treated fabric. 	Urethane pre-polymer composition & specialty silicone	Weakly cationic
TOPSOFT-SM	Topsoft-SM is non-ionic oil in water semi-micro emulsion of reactive organo modified poly siloxane containing ultra-low levels of surfactants. It imparts excellent softness & slick surface smoothness	<ol style="list-style-type: none"> 1. Excellent softness with a slick silky handle. 2. Excellent surface smoothness with improved fabric drape & fall & enhanced wrinkle recovery. 3. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 	Emulsion of modified amino siloxane.	Non-ionic
POWERSIL-AS	Powersil-AS is a novel textile softener of linear polydimethylsiloxane amino polyalkyleneoxide copolymer. It is designed to provide soft, silky, hand to fabrics. The softness provided by Powersil-AS is durable for numerous detergent washes	<ol style="list-style-type: none"> 1. Provides a high level of softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 4. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 5. Water dilutions have excellent compatibility with finishing baths. 6. Can be co-applied with fluorocarbon soil release agents 	Modified polysiloxane & specialty surfactants	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	<ol style="list-style-type: none"> 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