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1	GENERAL CATALOGUE					
2	ZDHC Sr. No.	Product Name	Product Description (few lines)	Features & Benefits (4-5 pointers)	Chemical Base	Ionic Character
3	1	ALAROMA-IMR	Unique microencapsulated product for insect repellent finish on polyester & its rich blend with cotton, viscose etc.	1. Prevents vectors such as mosquitoes, ticks, tsetse flies etc. from landing/biting. 2. It is odorless after drying, & during spray application. 3. 'Alaroma IMR,' has excellent effects based on the mechanism of the direct-contact repelling type. 4. It is Oeko-Tex Standard 100, Class I-IV compliance. ZDHC MRSL v3.1 Level 3 compliance. 5. Safe for children wear & pregnant and breast feeding women 6. Passes WHO/CTD/WHO PES/IC/96.1 & US Patent 5,198,287 & USDA laboratory Method	Toluamide complex	Non-ionic
4	2	ALAROMA-IR	Alaroma IR is vector i.e. mosquitoes, ticks, tsetse 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
5	3	ALAROMA Microencapsulated	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
6	4	ALAROMA-SOFT	Fabric conditioner cum softener	1. Long Lasting Fragrance: Clothes remain fresh and fragrant for up to 14 days after washing. 2. Softness: Comfort smoothens the fibers, thereby providing them with a rich softness that makes them a delight to wear. 3. Unbeatable Shine: With each wash, fibers tend to turn dull and lifeless. Using Comfort will ensure your clothes retain their shine and color, for a long time.	Perfumed fatty acid derivative	Weakly cationic
7	5	ALAROMA-SOFT-CS	A conditioner that ensures your clothes get the care they deserve. Treated garments achieves soft hand feel with delightful fragrances. It brings back the softness what detergents take away from clothes during the wash process.	1. Long Lasting Fragrance: Clothes remain fresh and fragrant for up to 14 days after washing. 2. Softness: Comfort smoothens the fibers, thereby providing them with a rich softness that makes them a delight to wear. 3. Unbeatable Shine: With each wash, fibers tend to turn dull and lifeless. Using Comfort will ensure your clothes retain their shine and color, for a long time.	Perfumed fatty acid derivative	Weakly cationic
8	6	ALLEN ANTIDUST ADP	Specialty product designed to impart anti-pollen & anti-dry dust repellent properties to the treated fabrics.	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
9	7	ALLENFINISH-ANC	Substantive non-yellowing amphoteric softener	1. Full soft handle with excellent surface smoothness. Non-yellowing finish resistant to scorching up to 180°C. Does not impair fabrics water absorbency. 2. Dye bath lubricant preventing crease and rope marks in textured polyester goods during dyeing. No effect on dyed shade. Does not impair thermomigration sublimation fastness of disperse dyes. 3. Compatible with fluorescent whitening agents and most textile chemicals used in finishing baths.	Fatty acid amide condensate	Amphoteric
10	8	ALLENFINISH-BA	Specialty finish which confers durable firm & full handle & gulfiness (body)	1. Gives cottons, polyesters & blends a full bodied, firm & smooth handle which is typical of expensive fabric materials. On viscose & polyester-viscose suitings, shirting & dress material. Imparts excellent body, smoothness & drape without stiffness. 2. Particularly suitable in finishing of coarse cotton poplins & sheeting's to obtain the handle of superior varieties. Has no yellowing effect on white fabrics.	Polyester dispersion	Non-ionic
11	9	ALLENFINISH-PU	New generation textile finishing agent based on self-dispersible non reactive ether modified polyurethane.	1. Most suitable for synthetic fabrics and their blends with natural fabrics. 2. Exhibits good compatibility with amino silicone emulsion and other non-ionic and cationic finishing agents 3. Imparts soft and smooth hand to polyester, nylon, rayon and polyester/cotton and polyester/viscose fabrics. 4. Imparts excellent resilience to fabrics.	Ether modified polyurethane	Non-ionic
12	10	ALLENFINISH-PUR	Ether modified reactive block polyurethane for cellulosic, synthetic fabrics and their blends.	1. Excellent shrink resistance, stretch back and elastic recovery. 2. Elegant softness and voluminous handle. Good tear and tensile strength. 3. High degree of crease resistance. Improves abrasion resistance. 4. High resistant to laundering and dry cleaning. Reduction of pilling. 5. Excellent compatibility with other finishing agents (softeners etc.).	Reactive urethane pre-polymer	Weakly cationic
13	11	ALLENFINISH-RPU	A thermoactive polyurethane softener for cellulosic & synthetic fibers.	1. Imparts very soft and voluminous handle. 2. Imparts improved wash and wear properties in combination with cross linking agent. 3. Imparts improved elasticity and crease recovery of cotton knitted goods.	Reactive polyurethane	Non-ionic
14	12	ALLENOL-PYP	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
15	13	ALQUAT-SOL	Weight reducing accelerator agent for polyester in alkaline bath	1. It is an excellent weight reducing accelerator in caustic alkaline baths applicable by dipping process & pad-steam process. Its addition at low levels of 0.2 - 0.5% in caustic baths commonly boosts the rate of hydrolysis by over 400% even with 50% reduction of caustic soda concentration. 2. It is biodegradable & environmentally friendly.	Ammonium salt blend	Cationic
16	14	ALQUAT-WR-M	Weight reducing accelerator agent for polyester in alkaline bath	1. It is an excellent weight reducing accelerator in caustic alkaline baths applicable by dipping process & pad-steam process. Its addition at low levels of 0.2 - 0.5% in caustic baths commonly boosts the rate of hydrolysis by over 400% even with 50% reduction of caustic soda concentration. 2. It is biodegradable & environmentally friendly.	Ammonium salt blend	Cationic
17	15	ALTRAPLEX-LP	Lycra protector	1. Altraplex-LP can be used to prevent the shrinkage or breakage of the stretch Lycra yarn in stretch denim or PPD garments. 2. It has excellent heat resistance, and does not cause yellowing.	Pyrogenic silica sol	Weakly cationic / non-ionic
18	16	ALTRAPLEX-WG-M	It is a finishing and weighting or weight gain agent for all type of fabric substrates	1. The handle of the goods finished with it corresponds to that of somewhat denser material. 2. It does not dust and does not leave any chalk marks when stored for a longer period of time. 3. The finish won't reharden.	Combination of organic and inorganic substances	Weakly cationic
19	17	ALTRAPLEX-WPA	A fiber protective agent for wool when dyeing PES/WO blends at temperatures up to max 120°C.	1. Counteracts the degradation of keratin by cross-linking. 2. Textiles treated with Altraplex-WPA are practically formaldehyde-free.	Based on complex polycarboxylates	Anionic
20	18	ALTRAPLEX-WSA	Developed as a color stripping agent.	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
21	19	ANTIPL-CAS	Antipil & antislip agent produced by an insitu reaction which results in stable nano dispersions.	1. Treated fabric imparts excellent antipil, antislip and antinag properties. Improving seam resistance and resistance to thread slippage of all slippage-prone fabrics, particularly suitable for apparel fabrics like blouses and shirts. 2. It has an excellent antistatic effect on polyester fabric.	Pyrogenic silica sol	Weakly Cationic
22						

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20	ANTIPL-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	
21	ANTIPL-NAC	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	
22	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	
23	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	
24	AQUACOAT-HPR	A high molecular weight polyester copolymer resin, designed as a functional additive with wide applications in processing woven/non-woven textiles, paper, paints, inks and coating agents.	1. It has superior adhesive with various kind of materials, particularly with the resin materials (polyester, vinyl chloride, polycarbonate) & the metallic materials (Aluminum, copper) 2. Superior adhesive & cohesive property 3. Minimum loss in elongation & it has abrasion resistance properties. 4. Better surface smoothness & softness after sizing 5. Less dropping and lesser warp breaks 6. Superior weather resistance, since it does not contain double bond in its saturated polyester resin. 7. Forms transparent film after drying.	Polymeric Polyester Resin	Anionic	
25	AQUACOAT-HPU	It is a water dispersion polyurethane resin for lamination and coating. It can provide excellent film formation on any releasing paper, does not cause repelling and pin-holes during coating, provides soft yet strong and high extension characteristics, also provides stretch-back property of polyurethane's characteristics	1. Excellent heat stability and against hydrolysis. 2. Non-yellowing type, Very good light-fastness, least color change by NOX gas. 3. Environmentally friendly product. 4. The film by this resin is very soft yet strong. 6. Abrasion, flexibility, etc. is excellent and provides very soft hand.	Water dispersion polyurethane resin	Weakly Anionic	
26	AQUACOAT-STA-M	It is a hard resin for abrasion resistance & anti-snagging properties on fabrics. It gives stiffness on cotton & polyester fabrics. It also gives body to the fabric.	1. It has superior adhesive with various kind of materials, particularly with the resin materials (polyester, vinyl chloride, and polycarbonate) & the metallic materials (Aluminum, copper). 2. Superior adhesive & cohesive property. 3. Less dropping and lesser warp breaks.	Saturated co-polymer of terephthalic acid base	Anionic	
27	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 Chesters, ski-suits, Soft luggage, Awnings, Boat Sails, Boat covers, Continental quilt covers etc.	Specialty acrylates & Polyurethane	Anionic	
28	AQUACOAT-Z-BB0	A water soluble polyester co-polymer resin. It is the saturated co-polymer of terephthalic acid base. It is a hard resin.	1. It has superior adhesive with various kind of materials, particularly with the resin materials (polyester, vinyl chloride, polycarbonate) & the metallic materials (Aluminum, copper) 2. Superior adhesive & cohesive property 3. Minimum loss in elongation	Polyester resin dispersion	Anionic	
29	AQUAREPEL-ECO-PLUS	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 (Perfluorinated) & banned substances.	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic	
30	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 repellent effects on delicate articles. 3. The fabric protection is retained on a high level.	Dispersion of an oxime blocked polysiocyanate	Cationic / Non-ionic	
31	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	
32	Aquarepel-XC-630-N	Aquarepel-XC-630-N is C6 chemistry based fluorocarbon concentrated product for technical articles and synthetic based fibers for water, oil and alcohol-repellent effects.	1. It offers high washing durabilities by using a blocked isocyanate. 2. Due to non ionic nature no roller buildup issues in long running	Dispersion of a fluorine compound	Non ionic	
33	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 (Perfluorinated) & banned substances.	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic	
34	AQUASORB-HIS	A quaternary ammonium softener used to protect indigo dyestuff against ozone fading. It does not carry a red label.	1. AEEA free. Ecofriendly antiozone softener. It is used to protect indigo dyed fabrics and garments against ozone & NOx fading.	Quaternary ammonium tetra-alkyl ammonium sulphate	Cationic	
35	AQUASORB-SR	It imparts durable soil release & anti-soil re-disposition properties to 100% polyester, nylon & its blends	Finishing polyester, nylon fabrics with Aquasorb-SR improves: - Antistatic properties - Soil release - Anti-soil redistribution - Water drop absorption - Wicking	Polymeric hydrophile	Non-ionic	
36	AQUASORB-TT	A highly concentrated hydrophilic softener & comfort finish, based on proprietary quat.	1. Fluffy (cottony) non-greasy softness with full natural handle. 2. Excellent water absorbency & rapid moisture transport durable to multiple cycles of laundering. 3. Excellent surface smoothness with good interfibre lubricity and flexibility. 4. Excellent ozone fade inhibitor for Indigo dyed Denim fabric & garments. Prevents atmospheric oxidation of indigo dyes & thus retains Dye shade & its brightness & excludes it.	Modified quaternary compound	Cationic	
37	DERMASET-APF	Anti-fibrillation / Anti-pilling Agent. Modifier of cellulose fiber to prevent fibrillation of cellulose fibers & regenerated cellulosic fibers (viscose, rayon, polynosic, cuprammonium rayon, etc.), refined cellulose like tencel, semisynthetic cellulose fiber such as cellulose acetate, diacetate & triacetate, linen fibers etc. without significantly impacting the softness & other physical properties of the fibers	1. DERMASET-APF prevents the fibrillation without damaging the softness of the cellulose fibers. 2. Uniform dyeing & no patchiness due to removal of fibrillation. Improved efficiency in deep dyeing cellulose fibers and a deep dyeing pretreatment using the same. 3. DERMASET-APF gives rich soft bulk on cellulosic & regenerated cellulose like viscose, rayon fabric. Cellulosic fabric appears rich like yarn dyed fabric. 4. Reduces pilling & improves abrasion resistance.	Chlohydrin polyether	Non-ionic	
38	DERMASET-VRT	Anti-fibrillation / Anti-pilling Agent. Modifier of cellulose fiber to prevent fibrillation of cellulose fibers & regenerated cellulosic fibers (viscose, rayon, polynosic, cuprammonium rayon, etc.), refined cellulose like tencel, semisynthetic cellulose fiber such as cellulose acetate, diacetate & triacetate, linen fibers etc. without significantly impacting the softness & other physical properties of the fibers	1. DERMASET-VRT prevents the fibrillation without damaging the softness of the cellulose fibers. 2. Uniform dyeing & no patchiness due to removal of fibrillation. Improved efficiency in deep dyeing cellulose fibers and a deep dyeing pretreatment using the same. 3. DERMASET-VRT gives rich soft bulk on cellulosic & regenerated cellulose like viscose, rayon fabric. Cellulosic fabric appears rich like yarn dyed fabric. 4. Reduces pilling & improves abrasion resistance.	Chlohydrin polyether	Non-ionic	

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39	FINISH-BF		A speciality finish which confers durable firm & full handle (body) or guftness to fabrics	1. Gives cottons, polyesters & blends a full bodied, firm & smooth handle which is typical of expensive fabric materials. On viscose & polyester-viscose suitings, shirting & dress material. Imparts excellent body, smoothness & drape without stiffness. 2. Particularly suitable in finishing of coarse cotton poplins & sheeting's to obtain the handle of superior varieties. Has no yellowing effect on white fabrics. 3. Does not cause dulling or shade change, which is encountered with conventional hand modifying agents.	Specialty surfactants & soft acrylic	Weakly anionic
42						
40	FLEXSIL-HSSD		Flexsil HSSD hydrophilic textile softener is a water-dispersible aminomodified hydrophilic softener based on new tech nology.	1. Excellent compound compatibility, fabric can be directly re-dyed after finished by Flexsil-HSSD. 2. Acid and alkali resistant, high temperature resistant, high shear resistance. 3. No roller buildup, no-de-emulsification or floating oil and no silicone spot.Gives excellent water retention & moisture management properties	Ternary block functional silicone copolymer	Weakly cationic / non-ionic
43						
41	POWERSIL-NT		A premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods	Linear polyquaternary-polyisioxane polyalkyl allylenoxide copolymer	Weakly cationic
44						
42	AQUASIL-4103		A durable concentrated hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Good water retention 2. Towels appear bulked and extremely soft. Excellent water retention 3.Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener) 4. Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
45						
43	AQUASIL-4122		A durable concentrated hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Good water retention 2. Towels appear bulked and extremely soft. Excellent water retention 3.Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener) 4. Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
46						
44	AQUASIL-430		Macro nonionic to weakly cationic hydrophilic silicone softener	1. The silicone finish provides textiles with an innovative structure that combines outstanding softness with excellent water absorption 2. Due to the surface oriented silk like and supple softness effect it is particularly suitable for light woven and knit goods where hydrophilic properties are of importance.	Emulsion of modified amino siloxane	Weakly cationic
47						
45	AQUASIL-5266		An innovative microsilicone hydrophilic softener for extraordinary bounciness and inner softness	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Towels appear bulked and extremely soft. Excellent water retention	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
48						
46	AQUASIL-5769		A durable non-yellowing hydrophilic silicone softener	1. Improve the wettability of textiles and in this way increase the wearing comfort because e.g. perspiration and moisture can be absorbed faster and transferred to the outside.	Emulsion of modified amino siloxane	Weakly Cationic
49						
47	AQUASIL-820		A self-dispersing polyether-amino-functional silicone fluid. It improves the wear comfort of textiles and is therefore particularly suitable for use with non-woven and terry goods.	1. Aquasil-820 considerably improves the wear comfort of textiles and is therefore particularly suitable for use with non-woven and terry goods. 2. The hydrophilic properties are the result of the special orientation of Aquasil-820 on the fiber surface. This allows unrestricted moisture transport within the fabric, together with the excellent hand that is generally associated with high-quality silicone textile softeners.	Emulsion of modified amidosiloxane	Weakly Cationic
50						
48	AQUASIL-COTT		Macro nonionic to weakly cationic hydrophilic silicone softener	1. The silicone finish provides textiles with an innovative structure that combines outstanding softness with excellent water absorption 2. Due to the surface oriented silk like and supple softness effect it is particularly suitable for light woven and knit goods where hydrophilic properties are of importance.	Emulsion of modified amino siloxane	Weakly cationic
51						
49	AQUASIL-GSQ		Hydrophilic softening and smoothening agenting agent with optimised sewability suitable for all fibre types, especially high absorbent cellulosic and synthetic fibres, especially suitable for terry or knitted goods	1. Confers a very soft, voluminous handle with good surface smoothness. 2. Excellent maintenance of the absorptive properties of hydrophilic textiles. 3. Increases elasticity and elastic recovery of knitwear. 3. Improves antiresear properties, tear strength and abrasion resistance in resin finishing.	Emulsion of modified amino siloxane	Cationic
52						
50	AQUASIL-HS		A durable concentrated non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, smooth and greasy bulky hand while retaining the fabrics original water absorbency & pile.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Non-yellowing & shear stable. 3. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
53						
51	AQUASIL-KSM		A speciality hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels. 2.Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly Cationic
54						
52	AQUASIL-LUX		A speciality hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels. 2.Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly Cationic
55						
53	AQUASIL-MB		An innovative microsilicone hydrophilic softener for extraordinary bounciness and inner softness	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Towels appear bulked and extremely soft. Excellent water retention	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
56						
54	AQUASIL-PP		Hydrophilic softening and smoothening agent suitable for pigment printed fabric	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties. 3. Suitable for pigment printed fabric	Emulsion of modified amino siloxane	Weakly Cationic
57						
55	AQUASIL-SP		Economical non yellowing hydrophilic silicone softener for cotton woven & knitted fabric	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics.	Emulsion of modified amino siloxane	Weakly Cationic
58						
56	AQUASIL-TF		Macro nonionic to weakly cationic hydrophilic silicone softener for excellent surface smoothness or greasy touch	1. The silicone finish provides textiles with an innovative structure that combines outstanding softness with excellent water absorption 2. Due to the surface oriented silk like and supple softness effect it is particularly suitable for light woven and knit goods where hydrophilic properties are of importance.	Emulsion of modified amino siloxane	Weakly cationic
59						
57	AQUASIL-WL		Aquasil-WL is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fiber types	1. Treated fabric confers voluminous handle effects, especially suitable for white goods or microfibers. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener). It has high & super high shear alkali stability & anionic stability. 2. Imparts excellent soft bulky handle. 3. Gives excellent surface smoothness with bulk on cotton sheeting fabric	Proprietary silicone copolymer with reactive groups	Weakly Cationic
60						
58	DERMASIL-FMW		Dermafil-FMW is a silicone micro emulsion, suitable for all types of fiber softening in knitting & weaving applications with soft, smooth feel, improved stretch knit fabric reply, elastic fiber & sewing performance. It is compatible with soil release finishing with same bath. Recommended for whites.	1. It improves elasticity & streatchability of knit goods. 2. It is specially suitable for white goods since it does not impair the effect of optical brighteners. 3. Shear stable. Non-yellowing.	Amino modified silicone elastomer (quaternary silicone)	Non-ionic / cationic
61						
59	DERMASIL-JSS		Dermafil-JSS is a revolutionary product that possesses outstanding stability under alkaline conditions at high temperature conditions under which conventional amino silicone emulsions separate and cause silicone spots. It delivers a soft, silky and full hand feel with a hydrophilic property to various fabrics at lower use levels than other products. It can be applied to a variety of fabrics to deliver outstanding softness with very little yellowing compared to conventional amino silicones	1. Amazing silicones softeners with virtually no yellowing. 2. Can be used on all types of cotton and synthetic fabrics. 3. Easy to handle liquid that is dilutable in water with minimal stirring. 4. Compatible with most finishing additives.	Amino modified polysiloxane fluid	Weakly cationic
62						
60	FLEXSIL-BQ		It is a organo-modified polydimethylsiloxane terpolymer. It imparts a very soft, smooth, and silky touch & luxurious touch with an ultra-soft feel for all types of fabrics, imparting resilience properties in fabric and it has very little effect on the degree of whiteness.	1. Excellent softener with outstanding hand feel on cotton & PC knitted fabrics. 2. It imparts excellent hydrophilic nature especially in cotton, yarn dyed cotton, polyester cotton and polyester for woven, non-woven, knitted and mercerized fabrics. 3. It imparts comfort surface smoothness & antistatic properties. 4. It is suitable for knit processing in different finishing machines, especially in high speed & high shear machines for broad range of cotton, blends, polyester & viscose fabric. 5. It also has chlorine water fastness properties.	Silicone copolymer	Weakly cationic
63						

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	61	FLEXSIL-HSF	Flexsil HSF hydrophilic textile softener is a water-dispersible aminomodified hydrophilic softener based on new tech nology.	1. Excellent compound compatibility, fabric can be directly re-dyed after finished by Flexsil-HSF. 2. Acid and alkali resistant, high temperature resistant, high shear resistance. 3. No roller buildup, no de-emulsification or floating oil and no silicone spot.Gives excellent water retention & moisture management properties	Ternary block functional silicone copolymer	Weakly cationic / non-ionic
64	62	FLEXSIL-SQ	A premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods	2. Linear polyquaternary-polysiloxane polyalkyl alkyleneoxide copolymer	Weakly cationic
65	63	FLEXSIL-TS	Flexsil-TS is a premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods 6. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. The hydrophilic properties imparted show practically no change with ageing or extreme drying conditions.	Linear polyquaternary-polysiloxane polyalkyl alkyleneoxide copolymer	Weakly cationic
66	64	POWERSIL-5561	Powersil-5561 is a durable concentrated economical hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
67	65	POWERSIL-5800	Powersil-5800 is a durable macro hydrophilic, non-yellowing silicone softener designed to exhibit smooth and greasy voluminous hand on all type of fabric substrates especially for cotton sheeting fabrics	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Suitable for cotton woven, knits & its blends.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
68	66	POWERSIL-6016	Powersil-6016 is a durable non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, greasy & bulky hand while retaining the fabrics original water absorbency .	1. Imparts excellent softening without hampering the hydrophilicity of the fabric.Especially suitable for woven & knitted fabrics. 2. Imparts durable, wash resistant softness to fabrics. 3. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
69	67	POWERSIL-750	Powersil-750 is a concentrated hydrophilic silicone emulsion which improves the wear comfort of textiles. It is used for hydrophilic treatment of fibers & textiles of all kinds.	1. It improves the wear comfort of textiles. 2. It allows unrestricted moisture transport within the fabric, together with the excellent smooth hand. 3. It imparts silk like and supple softness effect and is suitable for light knitted and woven goods of all kinds of fibers where hydrophilic properties are of importance. 4. It bonds more strongly to the fiber than glycol and quatfunctional polysiloxanes. This leads to a better exhaustibility and wash resistance.	Based on silicone fluid, functional	Non-ionic/ weakly cationic
70	68	POWERSIL-810	Powersil-810 is a self-dispersing polyether-amino-functional silicone fluid. It improves the wear comfort of textiles and is therefore particularly suitable for use with non-woven and terry goods.	1. Powersil-810 considerably improves the wear comfort of textiles and is therefore particularly suitable for use with non-woven and terry goods. 2. The hydrophilic properties are the result of the special orientation of Powersil-810 on the fiber surface. This allows unrestricted moisture transport within the fabric, together with the excellent hand that is generally associated with high-quality silicone textile softeners. 3.	Self dispersible linear AB quat	Weakly cationic
71	69	POWERSIL-811	Powersil-811 is a hydrophilic micro concentrate silicone copolymer, unique to impart hydrophilicity in addition to excellent surface smoothness and antistatic properties. Fabric treated with it can be easily re-dyed without any problem dye absorbency in the fabric.	1. It imparts excellent hydrophilic nature in the fabric especially in terry towel, polyester, polyester-cotton and polyester for woven, non-woven and mercerized knitted fabric. 2. Imparts excellent softness and better softening effect. 3. Antistatic. 4. Excellent exhaustibility. 5. Compatible with wide range of finishing bath. 6. Eco friendly.	Silicone copolymer	Weakly cationic
72	70	POWERSIL-815	A premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods	2. Linear polyquaternary-polysiloxane polyalkyl alkyleneoxide copolymer	Weakly cationic
73	71	POWERSIL-DHS	A durable non-yellowing hydrophilic silicone softener	1. Improve the wettability of textiles and in this way increase the wearing comfort because e.g. perspiration and moisture can be absorbed faster and transferred to the outside.	Emulsion of modified amino siloxane	Weakly Cationic
74	72	POWERSIL-DNT	Powersil-DNT is a hydrophilic silicone concentrated softener designed to exhibit luxuriously soft & flexible hand feels to all types of fabrics, irrespective of composition & structure	1. Imparts durable, wash resistant softness to fabrics. 2. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
75	73	POWERSIL-GSX	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1.0 fibers softness along with hydrophilicity to cotton and other natural fabrics. 2. does not cause any yellowing on white fabrics.	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic
76	74	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 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	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
77	75	POWERSIL-HSX	Silicone softener imparting excellent softness and very good surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1. Can be applied on all kinds of goods including whites and pastel shades. No shade change or fastness impairment of finished goods	Modified polysiloxane & specialty surfactants	Weakly Cationic / Non-ionic
78	76	POWERSIL-HSX-D	Silicone softener imparting excellent softness and very good surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1. Can be applied on all kinds of goods including whites and pastel shades. No shade change or fastness impairment of finished goods	Modified polysiloxane & specialty surfactants	Weakly Cationic / Non-ionic
79	77	POWERSIL-HT	A premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods	2. Linear polyquaternary-polysiloxane polyalkyl alkyleneoxide copolymer	Weakly cationic
80	78	POWERSIL-KSM	A specialty hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels 2.Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly Cationic
81	79	POWERSIL-NT-S	Powersil-NT-S is a hydrophilic silicone softener designed to exhibit excellent soft, smooth and greasy bulky hand on all type of fabric substrate. It is shear stable and hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties.	Self dispersible linear AB quat	Cationic
82	80	POWERSIL-OPS	Powersil OPS a textile softener is a specialty silicone emulsion that has been shown to provide multiple performance benefits on virtually all types of fabric.	1. Full softness, slickness and resilience 2.'dry and cool-touch' for cotton and cotton blended fabrics; non-greasy and natural touch noticeably distinguishable from that of conventional amino-functional silicones 3. Improved fabric drapability and wrinkle resistance	Polydimethylsiloxane with functional groups (emulsion in water)	Weakly cationic / Non-ionic
83	81	POWERSIL-SBK	Powersil-SBK endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at the high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester & polyester viscose fabrics	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-SBK gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil.	Emulsion of modified amino siloxane	Non-ionic
84	82	POWERSIL-SBS	Powersil-SBS is a semi-micro emulsion of an epoxy modified organo functional silicone elastomer to give permanent finish on all types of fibres and blends	1. Excellent elastic resilience. 2. Improved wash & wear effects. 3. Imparts smooth, soft handle. 4. Improved elastic recovery of knitted goods. 5. Prevents loop damage during high-speed industrial sewing. 6. Improves the wet rub fastness of dyed fabrics. 7. Improves dimensional stability of knit goods.	Amino modified silicone elastomer (quaternary silicone)	Weakly cationic / Non-ionic
85	83	POWERSIL-SE	A durable concentrated non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, smooth and greasy bulky hand while retaining the fabrics original water absorbency	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Non-yellowing & shear stable. 3. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
86	84	POWERSIL-TS-NEW	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1.0 fibers softness along with hydrophilicity to cotton and other natural fabrics. 2. does not cause any yellowing on white fabrics	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic
87						

	A	B	C	D	E	F
85	POWERSIL-TSP/CONC	Powersil TSP/conc is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fiber types	1. Treated fabric confers voluminous handle effects, especially suitable for white goods or microfibers. 2. Imparts excellent soft bulky handle. 3. Gives excellent surface smoothness with bulk on cotton sheeting fabric	Proprietary silicone copolymer with reactive groups	Weakly Cationic	
86	POWERSIL-TS-SPL	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1.0 flers softness along with hydrophilicity to cotton and other natural fabrics. 2. does not cause any yellowing on white fabrics.	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic	
87	POWERSIL-TTK	Powersil-TTK is a hydrophilic silicone softener for comfort and easy care finish. It is a semi macro silicone emulsion for bulky handle. It imparts very good Hydrophilicity and surface smoothness on terry towels & knits made of cellulose and its blends.	1. Imparts excellent soft bulky handle. 2. Good hydrophilic properties and water retention. 3. Imparts fabric comfort and surface smoothness. Good water retention required for high end towels is well achieved by customized recipes involving this product. 4. Allows production of fabrics and garments with a high whiteness and minimal shade change on colored fabrics.	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic	
88	PRODUCT-6000	A speciality hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels 2.Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly Cationic	
89	PROLUBE-HT	ProLube-HT is non-ionic oil in water macro emulsion concentrate an organo modified poly siloxane containing ultra-low levels of surfactants. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness. Improved tear & tensile strength, enhanced wrinkle resistance & excellent drape/fall even on difficult to soften fabrics are other realized properties.	1. Excellent softness with a slick silky handle. 2. Excellent surface smoothness with improved fabric drape & fall & enhanced wrinkle recovery. 3. Reduced bending rigidity & coefficient of friction. Stable to fluctuations in pH of the treatment both i.e. stable under acidic & alkaline pH. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Improved D.P rating, spot & stain resistance & a lively vibrant & full hand. 6. No detrimental influence on dye properties i.e. thermomigration & sublimation fastness. 7. Negligible effect on dye shades & fabrics whiteness. 8. Permanent finish durable to multiple cycles of home washing & dry cleaning. 9. Pad applicable.	Polysiloxane	Weakly cationic	
90	DERMASIL-SRS	Dermasil-SRS is a novel textile softener of linear polydimethylsiloxane amino polyallyleneoxide copolymer. It is designed to provide soft, silk hand to fabrics. The softness provided by Dermasil-SRS is durable for numerous detergent washes	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. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends. 7. In addition, fabrics treated with Dermasil-SRS are not hydrophobic. It imparts a slow wetting durable hydrophilic character to fabrics	Amino polyallyleneoxide copolymer	Non-ionic	
91	DERMASIL-NWS	Block silicone emulsion for excellent inner softness & body break on PV & PES fabrics	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 3. Works at very low dosage.	Block amino silicone emulsion	Non-ionic	
92	DERMASIL-SOFT	Block silicone emulsion for excellent inner softness & body break on PV & PES fabrics	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 3. Works at very low dosage.	Block amino silicone emulsion	Non-ionic	
93	FLEXSIL-5837	Flexsil-5837 is designed to provide soft, silk hand to fabrics. The softness provided by Flexsil-5837 is durable for numerous detergent washes.	1. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 2. Dilutions are extremely shear stable. Easily diluted with water. 3. It is self-emulsifiable emulsion with outstanding stability. 4. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends. 6. In addition, fabrics treated with it are not hydrophobic.	Polydimethylsiloxane with functional groups (aqueous emulsion)	Weakly cationic / non-ionic	
94	POWERSIL-238	With its linear molecular architecture, high molecular weight and low viscosity, Powersil 238 textile enhancer generally demonstrates many key benefits, including superior non yellowing amine functionality and the ability to combine both hydrophilic and silicone moieties.	1. Linear Molecular Architecture: Effective at 3-5 g/l in the bath, as received. It may provide a high level of natural softness to synthetics and their blends with natural fibers. 2. High Molecular Weight: - Delivers properties similar to those of reactive elastomeric finishes, such as durability and resistance. 3. Non yellowing amino type Functionality: - Low yellowing, good stability under most finishing conditions, including jet/overflow.	Self-dispersible linear AB quat	Cationic	
95	POWERSIL-5865	Powersil-5865 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at the high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester & polyester viscose fabrics	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-5865 gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil	Emulsion of modified amino siloxane	Non-ionic	
96	POWERSIL-6025	Powersil-6025 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at the high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester & polyester viscose fabrics	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-6025 gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil	Emulsion of modified amino siloxane	Non-ionic	
97	POWERSIL-777	Powersil-777 is a newly developed softener composed of amino modified polysiloxane as its principal active compound. Treated fabric imparts very soft, lively smooth handle	1. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. 2. Treated fabric imparts very soft, lively smooth handle. 3. Treated fabric gives excellent inner softness especially on polyester & P/V fabric.	Modified polysiloxane & specialty surfactants	Weakly cationic	
98	POWERSIL-AS	Powersil-AS is a novel textile softener of linear polydimethylsiloxane amino polyallyleneoxide copolymer. It is designed to provide soft, silky, hand to fabrics. The softness provided by Powersil-AS is durable for numerous detergent washes	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	
99	POWERSIL-AS-ECO	Powersil-AS-ECO is block silicone emulsion. It not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-AS-ECO is durable for numerous detergent washes.	1. The new modified group endows the fabric with excellent soft, smooth, silky handle. 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance.	Polysiloxanes, Polyether	Weakly cationic / Non-ionic	
100	POWERSIL-BB	Powersil-BB 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 slick feel on polyester mink, rugs, fleece, chenille fabrics. 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.	Polysiloxanes, Polyether	Weakly cationic / Non-ionic	

	A	B	C	D	E	F
	101	POWERSIL-BRK	Powersil-BRK not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-BRK is durable for numerous detergent washes	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic
104	102	POWERSIL-PRS	Powersil-PRS provides in-depth luxuriously silky softness and slickness, along with resistance to thermal migration. It can be used with a variety of fabrics, but can be most beneficial for synthetic-fiber fabrics like polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere and its blends.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Resistant to thermo-migration. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Weakly cationic / Non-ionic
105	103	POWERSIL-RUN	Powersil-RUN endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester & polyester viscose fabrics. It is Shear stable.	1. Shear stable elastomeric silicone softener with excellent soft hand. 2. Excellent elastomeric effect. 3. Very good bath compatibility with other bath ingredients. 4. Gives powdery feel on polyester fabric	Emulsion of modified amino siloxane	Non-ionic
106	104	POWERSIL-SA	Powersil-SA is a novel textile softener of linear Polysiloxanes polyether. It is designed to provide soft, silky, full hand to fabrics treated with fluorocarbon soil release additives, while incurring little or no interference with the soil release properties. The softness provided by Powersil-SA is durable for numerous detergent washes	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. 5. Water dilutions have excellent compatibility with finishing baths. 6. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends. 7. In addition, fabrics treated with Powersil-SA are not hydrophobic. It imparts a slow wetting durable hydrophilic character to fabrics	Polysiloxanes polyether	Non-ionic
107	105	FLEXSIL-CF	Flexsil-CF emulsions imparts smooth, delicate handle on fabric. Emulsions have good stability	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics 2. Can be applied by pad and exhaust 3. Premium softness & silky luxuries handle on cotton woven & knitted fabrics. 4. Its fine particles size of emulsion ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener.	Block copolymer	Cationic
108	106	FLEXSIL-CJS	Flexsil-CJS is Ternary block silicone oil for cotton. It is a three-component block copolymer of polysiloxane, polyamines, and polyether. Emulsions of Flexsil-CJS imparts smooth, delicate handle on fabric. Emulsions have good stability	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust processes. 3. Premium softness & silky luxuries handle on cotton woven & knitted fabrics. 4. Its fine particles size of emulsion ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener.	Block copolymer of polysiloxane, polyamines and polyether	Cationic
109	107	FLEXSIL-STE	Flexsil-STE gives excellent aesthetics, hydrophilicity and processability. It provides silky hand-feel combined with excellent hydrophilicity and stability in textile finishing that are comfortable to wear, have a silky look, touch and feel and can be marketed as "breathable" garments	1. It provides silky, drapeable and in-depth softness with optimized dry hand-feel on all types of fabrics, particularly cotton and cotton blends, synthetics, cellulose. 2. It promotes quick absorption of water and perspiration with minimal impact on the hydrophilic nature of cotton and cotton blends. 3. Increases hydrophilicity in synthetic fibers and fabrics. 4. Enhances durable softness to home laundry. 5. Emulsions are extremely stable under high shear, wide pH range (3.0 - 12.0) and high temperature. 6. No yellowing of white and light shaded fabrics. 7. Does not affect the color shade on even dark color fabrics	Linear silicone copolymer	Cationic
110	108	POWERSIL-2150	Powersil-2150 is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150 penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics. 5. On cotton, coon lycra & PC knits, by wet on wet pad when used along with Powersil ACN-ECO-30 gives peaches, gold finish	Modified polysiloxane & specialty surfactants	Non-ionic
111	109	POWERSIL-3096	Powersil-3096 is highly effective high performance semi-micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-ACN-ECO treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning. 7. On cotton, coon lycra & PC knits, by wet on wet pad when used along with Powersil 2150 gives peaches, gold finish	Modified polysiloxane & specialty surfactants	Non-ionic
112	110	POWERSIL-3911	Powersil-3911 not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-3911 is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing	Block amino silicone emulsion	Weakly Cationic / Non-ionic
113	111	POWERSIL-3946	Powersil-3946 is block silicone emulsion. Powersil-3946 not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-3946 is durable for numerous detergent washes	1. The new modified group endows the fabric with excellent soft, smooth, silky handle especially on cotton & cotton rich blends 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance	Block Amino silicone emulsion	Weakly cationic / Non-ionic
114	112	POWERSIL-4333	Powersil-4333 is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-4333 penetrates deep into the fiber bundle giving a luxurious soft handle	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 3. Premium softness & silky luxuries handle on woven & knitted fabrics	Modified polysiloxane & specialty surfactants	Non-ionic
115	113	POWERSIL-5545	Powersil-5545 is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-5545 penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics. 5. On cotton, coon lycra & PC knits, by wet on wet pad when used along with Powersil ACN-ECO-30 gives peaches, gold finish	Modified polysiloxane & specialty surfactants	Non-ionic
116	114	POWERSIL-910	Powersil-910 is a high amine content, medium to low viscosity diamino functionalized polydimethyl siloxane, specially developed for formulation to emulsions for textile softening	1. Excellent soft and smooth hand feel 2. Increased fabric elasticity and crease recovery, 3. Improved fabric tensile and tear strength.	Diamino functionalized polydimethyl siloxane	Nonionic
117	115	POWERSIL-ACN-ECO	Powersil-ACN-ECO is highly effective high performance semi-micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-ACN-ECO treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning. 7. On cotton, coon lycra & PC knits, by wet on wet pad when used along with Powersil 2150 gives peaches, gold finish	Modified polysiloxane & specialty surfactants	Non-ionic
118						

	A	B	C	D	E	F
116	116	POWERSIL-CES	Powersil-CES not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. Economical block emulsion	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Non-ionic
117	117	POWERSIL-CF	Powersil-CF is a Ternary block silicone oil for cotton. It is a three-component block copolymer of polysiloxane, polyamines, and polyether. Emulsions of Powersil-CF imparts smooth, delicate handle on fabric. Emulsions have good stability. Can be easily formulated to macro and micro emulsions	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust processes. 3. Premium softness & silky luxuries handle on cotton woven & knitted fabrics. 4. Its fine particles size of emulsion ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener.	Block copolymer of polysiloxane, polyamines and polyether	Cationic
118	118	POWERSIL-HFS	Powersil-HFS 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 slick feel on polyester mink, rugs, fleece, chenille fabrics. 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 amino silicone emulsion	Weakly cationic / Non-ionic
119	119	TOPSOFT-EME	Topsoft-EME is highly effective high performance macro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Topsoft-EME treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning	Modified polysiloxane	Non-ionic
120	120	FLEXSIL-SSX-F	Flexsil-SSX-F is 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. Can be emulsified to micro emulsion with low level of surfactant may be 10-15%	Siloxane & silicones, polyether	Weakly cationic / non-ionic
121	121	FLEXSIL-4916	Flexsil 4916 is economical 60% block silicone emulsion with excellent surface smoothness & balance softness	1. Economical, easy to dilute. Suitable for cotton woven & knitted fabric. 2. Can be applied by pad & exhaust method. 3. Treated fabric exhibits fluffy smooth slick feel on polyester mink, rugs, fleece, chenille fabrics.	Block amino silicone emulsion	Weakly cationic / non-ionic
122	122	POWERSIL-5811	Powersil-5811 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, raised fabric, PES mink, PES rugs and its blends	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. Excellent fiber elasticity and shape recovery.	Emulsion of siloxanes and silicones, polyether	Weakly cationic / non-ionic
123	123	POWERSIL-5812	Powersil-5812 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, raised fabric, PES mink, PES rugs and its blends	1. Economical, easy to dilute. Suitable for cotton woven & knitted fabric. 2. Can be applied by pad & exhaust method. 3. Treated fabric exhibits fluffy smooth slick feel on polyester mink, rugs, fleece, chenille fabrics.	Emulsion of siloxanes and silicones, polyether	Weakly cationic / non-ionic
124	124	POWERSIL-5853	Powersil-5853 not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones.	Block amino silicone emulsion	Non-ionic
125	125	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
126	126	POWERSIL-RSB	Powersil-RSB is 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	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
127	127	POWERSIL-PC	Powersil-PC 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	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 4. Completely non yellowing	Hindered amino silicone emulsion	Non-ionic/ weakly cationic
128	128	LUBALLEN-AH	Luballen-AH is a nonionic micro emulsion of hydrophilic hindered amino fluid designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures. It is optical brightening agent compatible. Shear stable & hence suitable for high turbulence machines like jet & softflow	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for full white fabrics & dyed fabrics with large white grounds. 3. Due to its OBA compatibility & non yellowing character it can be used on OBA or full white fabrics. 4. Enhanced wrinkle resistance & wash and wear ratings. 5. Its fine particle size ensures easier & uniform penetration into the fibre making it an excellent internal softener. 6. Good inter fiber fabricicity with reduced blending rigidity resulting in improved drape & full of fabric. 7. No effect in dyed shades. Improved tear strength, tensile resilience abrasion resistance, sewability & cut and sew performance. 8. Shear stable & hence suitable for high turbulence machines like jet & softflow.	Hindered amino silicone emulsion	Non-ionic
129	129	POWERSIL-EPS	Powersil-EPS is non-ionic oil in water macro emulsion of reactive organo modified poly siloxane containing ultra low levels of surfactants. It imparts excellent softness & slick surface smoothness	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 4. Completely non yellowing	Hindered amino silicone emulsion	Non-ionic
130	130	POWERSIL-SPS	Powersil-SPS is a non-ionic semi-micro/macro emulsion of hindered amino modified poly siloxane containing ultra low levels of surfactants. It imparts excellent softness & slick surface smoothness	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. 4. Ultra-low yellowing.	Hindered amino silicone emulsion	Non-ionic
131	131	FLEXSIL-4151-F	Flexsil-4151-F is especially developed for pile fabrics made of polyester & polyester rich textiles like rugs, bath mats, chenille, mink fabrics etc. It can be easily emulsified by low level of surfactant or co-surfactant.	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 fluid	Weakly cationic / non-ionic
132	132	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
133	133	POWERSIL-5351	Powersil-5351 endows the fabric with excellent soft, surface smoothness & silky handle.	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. Powersil-5351 gives excellent surface smoothness on cotton & viscose rayon fabric.	Modified polysiloxane & specialty	Non-ionic

	A	B	C	D	E	F
127	134	FLEXSIL-PS-O	Flexsil-PS-O not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially cotton & their blends 2. Non yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray	Block silicone	Weakly cationic / non-ionic
128	135	FLEXSIL-11047	Flexsil-11047 not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially cotton & their blends 2. Non yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray	Block silicone	Weakly cationic / non-ionic
129	136	FLEXSIL-2070	Flexsil-2070 is highly recommended for the manufacturing of hydrophilic softeners. These softeners can be applied by padding and exhaustion processes on woven & knitted fabrics made from all kind of natural and synthetic fibers. The product is not sensitive against residues of reactive dyestuff, after soaping agents or optical brighteners	1. Very soft, smooth handle. 2. Outstanding by dropability. 3. Excellent pH stability. 4. Compatible with anionic. 5. Very low yellowing 6. Improves sewing properties. 7. Good antistatic properties. 8. High exhaustion	Quaternary modified organo-siloxane	Weakly cationic
130	137	FLEXSIL-PS	Flexsil-PS not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially cotton & their blends 2. Non yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray	Block silicone	Weakly cationic / non-ionic
131	138	FLEXSIL-SCF	Flexsil-SCF is a new linear, polydimethylsiloxane-amino poly alkylene oxide copolymer. It has introduced the new modified group and can endow the fabric with excellent soft, surface smoothness & silky handle.	1. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester, polyester viscose & on fleece fabrics. 2. Flexsil-SCF emulsions gives excellent surface smoothness on cotton & viscose rayon fabric. 3. Treated fabrics are hydrophilic in nature. 4. It has high performance on price ratio compared with the other common blocking silicon oil. 5. Effectively solved the problem of demulsification and sticking to the roller. 6. Outstanding compatible performance. 7. If complexed with the amino silicone oil, it will improve the application performance	Linear, polydimethylsiloxane-amino poly alkylene oxide copolymer	Weakly cationic / non-ionic
132	139	Powersil-5350	Powersil-5350 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at the high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester, polyester viscose & on fleece fabrics	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-5350 gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil.	Modified polysiloxane & specialty	Non-ionic / weakly cationic
133	140	PROLUBE-AOP	Probe-AOP is a premium hydrophilic softener contains virtually no solvents or volatile organic compounds which makes it more environmentally sound & safer to use	1. It imparts very soft greasy handle while virtually maintaining the original substrate whiteness & hydrophilicity. 2. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. 3. The hydrophilic properties imparted show practically no change with aging or extreme drying conditions. 4. Application of emulsion can be done by pad or exhaustion method.	Modified amino functional polysiloxane fluid	Weakly cationic
134	141	DERMASIL-CMW	Dermasil-CMW is a highly effective non-yellowing, high performance micro emulsion for permanent finish on all types of fibers. Gives excellent soft & smooth, slightly bulky handle on all types of fabric. Shear stable	1. Gives excellent soft, smooth handle on all types of fabrics & with very little impact on hydrophilicity. 2. Improves sewability, crease recovery & tensile strength of the fabric 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. It is non-yellowing silicone softener improves tear strength & reduces abrasion loss. Effects are fast to washing & dry cleaning. 6. Shear stable.	Modified polysiloxane	Non-ionic
135	142	POWERSIL-EHS	Powersil-EHS is a durable, concentrated amino modified polysiloxane ultralow-yellowing silicone softener designed to exhibit excellent soft, smooth and greasy bulky hand. It is shear stable and hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc	1. Imparts excellent softening agent for types of fabric substrates. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Stable over wider range of temperature	Amino modified polysiloxane & specialty surfactants	Non-ionic
136	143	PRODUCT-100R50	Product-100R50 is highly effective non-yellowing, high performance micro emulsion for permanent finish on all types of fibers. Gives excellent soft & smooth, slightly bulky handle on all types of fabric. It is Shear stable	1. Gives excellent soft, smooth handle on all types of fabrics & with very little impact on hydrophilicity. 2. Improves sewability, crease recovery & tensile strength of the fabric 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. It is non-yellowing silicone softener improves tear strength & reduces abrasion loss. Effects are fast to washing & dry cleaning. 6. Shear stable.	Modified polysiloxane	Non-ionic
137	144	POWERSIL-1073	Powersil-1073 is a durable concentrated economical hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Low viscosity & pumpable. 5. Suitable for auto-dispensing systems	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
138	145	DERMASIL-SIG	Dermasil-SIG is a concentrated silicone-based auxiliary. It imparts a pleasingly soft dry handle to pigment-printed fabrics and improves their fastness.	1. Dermasil-SIG improves the moist, tacky handle that sometimes results from using very soft binders. 2. It also acts as a softener and has a positive effect on the brilliance and fastness of the prints, especially the dry rub fastness	Polydimethyl siloxane	Non-ionic
139	146	SYLAST-CEG	Sylast-CEG is a very high molecular weight polydimethyl siloxane in emulsion form. The emulsion creates a thin but highly effective parting film. It does not carbonize or gum even at temperatures which would quickly destroy organic mould release agents, does not build up on moulds and does not discolor or damage rubber or plastics	1. Its wetting and spreading properties are excellent. Thus, also in case of using low ready to use concentrations there will be an even and smooth film. 2. General-purpose release agent for rubber vulcanization. 3. Ironing aid in aerosol formulations of starch. 4. Additive for fabric softener formulations. 5. Release agent for foundries	Dimethyl poly siloxane emulsion	Anionic
140	147	SYLAST-YTL-100	Sylast-YTL-100 is a polysiloxane based product for application as sewing thread lubricant. It is suitable for all types of synthetic textiles and blends	1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems. 2. Reduces coefficient of friction with improved luster. 3. It is efficient for high speed sewing lines. 4. It is low in odor. 5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems	Based on polysiloxane	Non ionic
141	148	SYLAST-YTL-200	Sylast-YTL-200 is a polysiloxane based product for application as polyester yarn lubricant. It is suitable for all types of synthetic textiles and blends.	1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems. 2. Reduces coefficient of friction with improved luster. 3. It is efficient for high speed sewing lines. 4. It is low in odor. 5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems	Based on polysiloxane	Nonionic
142	149	SYLAST-DC	Sylast-DC is a water free lubricant for application by cold lick roller or dosing pumps at a final winder. The lubricant is suitable for all types of sewing threads, particularly for PES/CO & CO & embroidery yarns made from Cotton viscose rayon & Polyester. A pick-up of 4-6% is recommended	1. Gives very good smoothing properties with low level of tension peaks over thread guides & tensioning devices. 2. Provides protection against heat & very good sewability. 3. Prevents static charge. 4. Shows non-yellowing when exposed to nitrogen oxides during storage. 5. Does not contaminate waste water when correctly used	Water free formulation of silicone, waxes & additives	Nonionic



	A	B	C	D	E	F
150	SYLAST-AW1	Sylast-AW1 is a wet waxing agent to impart good gliding properties to yarns preferably from cellulose, cellulose/synthetics, PA, PES as well as from PAN and WO. It is a softener for knit goods to give a soft handle, to improve the sewability and to prevent damage to the loops. It acts a softener and lustering agent for corduroy and velvets	1. Results in high smoothness of the surface with low friction values. 2. Confers uniform yarn tension. 3. Absorbs uniformly and completely onto all materials—especially onto PES yarn. 4. Applicable by pad or exhaust processes. 5. Confers softness and smoothness. 6. Can be applied in resin finishing liquors. 7. Prevents damage to the loops. 8. No slipping of the layers when cutting. 9. Confers softness and luster to pile fabrics. 10. Low volatility. 11. Non-yellowing	Blend of paraffin waxes	Weakly cationic / non-ionic	
151	SYLAST-DSWS	Sylast-DSWS is a ready to use fully formulated polysiloxane based product designed for application as sewing thread lubricant by P.A. Winding or Godet method	1. Excellent sewability. 2. Reduces coefficient of friction. 3. Efficient for high speed sewing line. 4. Improved production efficiency. 5. Improved luster.	Blend of polysiloxane and waxes	Non-ionic	
152	SYLAST-0VG	Sylast-0VG is a specialty product for yarn lubrication. It confers to the knitting yarns the gliding properties required for further processing. The product is applied in a fresh bath after bleaching or dyeing of the yarns.	1. It exhausts evenly & mostly completely on the substrate & the coefficient of friction of the yarns obtained is excellent. 2. There is no need for a rewinding process like in case of solid paraffin treatment, if so called direct bobbins are used. This makes it possible to deliver the bobbins directly to the hosiery or knits manufacturers. 3. In case of a rewinding process, it can be carried out at high speed & there is definitely less yarn breakage. 4. It confers to synthetic yarn a certain antistatic properties. 5. It has negligible volatility at higher temperatures & will not cause any problems during drying under normal conditions. 6. It has practically no influence on the handle of the yarns. If a soft, fleecy handle is required we recommend the combination with a cationic softener such as Profinish-OE. 7. The sewability of the knits obtained is considerably improved.	Based on silicone, fatty acid condensation & wax	Weakly cationic	
153	SYLAST-REG	Sylast-REG a silicone mould release emulsion is ideally suited as it forms films of low adhesion, thereby preventing adhesion of the moulded material. It is a highly efficient release agent. It is good for multiple release applications. - Sylast-REG is also suitable as a shining agent for tire, rubber, and plastic industries. - In the plywood manufacturing industry, it prevents buildup of glue and promotes easy removal of excess glue on platens and other parts of the presses used. In lamination and wood industry it is used as anti-tack material to the platens. - It is used in glass industry for conveying equipment, treating moulds, moulded glass articles. - It is also used in High-speed offset printing process	1.Exhibits no creaming or oiling. 2.Good dilution stability. 3. Gives better finish to the mould. 4. Can be applied by brushing, spraying, or dipping, even for complex moulds. 5. Has Low surface tension and therefore spreads easily. 6. Highly economical - Small quantity used per release. 7. The film formed is durable and heat stable. 8. Imparts excellent shine, gloss and finish to the finished product. 9. Chemically inert - does not attack metal or any other mould. 10. Exhibits Low volatility- No fuming, No smoking problems. 11. EVA Release.	Dimethyl poly siloxane emulsion	Non-ionic	
154	SYLAST-TNLA	Sylast-TNLA is a water free lubricant for application by cold lick roller or dosing pumps at a final winder. The lubricant is suitable for all types of sewing threads, particularly for PES/CO & CO & embroidery yarns made from CV & PES. A pick-up of 4-6% is recommended.	1. It gives very good smoothing properties with low level of tension peaks over thread guides & tensioning devices. 2. It provides protection against heat & very good sewability. 3. Prevents static charge. 4. Shows no yellowing when exposed to nitrogen oxides during storage. 5. Does not contaminate waste water when correctly used	Water free formulation of silicone, waxes & additives	Nonionic	
155	PROLUBE-1003-LV	ProLube-1003-LV is a medium viscosity reactive diamino functional polydimethyl siloxane fluid with a reduced level of cyclic siloxanes. It is suitable as active substance in softener formulations for the impregnation of fibres and textiles. It imparts a very soft, drapable, and elastic touch to woven and knitted fabrics	1. It is a good softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 2. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. 3. The effects are fast to washing and dry cleaning. 4. It has only little effect on the degree of whiteness in a softener formulation. As a rule no adverse effect on the shade or colour fastness properties of coloured goods is observed. 5. It imparts excellent slickness and resilience to the fibre	Reactive diamino modified polysiloxane	Weakly cationic	
156	AQUAREPEL-HC-303	Aquarepel-HC-303 is a modified siloxane Nano-dispersion. It is free from fluorocarbons & flammable liquids. It is used for imparting a wash durable water, soil & stain repellent properties on natural, synthetic fibers and blends. Aquarepel-HC-303 is suitable for hydrophobizing treatment of porous or non-porous, absorbent or non-absorbent substrates.	1. Particularly preferred for water repellent treatment and impregnation of any fibers, especially natural (cotton, rayon, wool, silk, acetate), synthetic (polyester, nylon, acrylic) textiles, their blends and other functional materials. 2. It improves soil, stain and water repellency on cotton, wool, synthetic fibers and blends. 3. It imparts a distinct gloss & luster on all porous and non-porous substrates. 4. Provides extraordinary soft hand feel on natural, synthetic fibers & their blends, unlike conventional fluorine-free water repellents. 5. Combines a good spray rating with minimal pick-up of water. 6. Excellent durability to multiple home laundering & dry-cleaning cycles. 7. Aquarepel-HC-303, in combination with other additives can achieve other effects such as resistance to environmental influences (such as heat, sunlight, particularly UV radiation, oxidizing agents, acidic environments), and particularly finishing effects in textiles such as color protection, fiber resistance, crease-free, soil repellence, shrink protection, flame retardance, moth protection, anti-felt finish or antimicrobial finish.	Modified siloxane Nano-dispersion	Nonionic	
157	DERMASIL-180	Dermasil-180 is an eco-friendly, concentrated silicone softener, composed of diamino functional polysiloxane as its principal active compound. It imparts excellent softness and smoothness. It increases tensile resilience, gives springy elastic handle and a unique handle on various fabric substrates. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. APEO free.	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness	Emulsion of modified amino siloxane	Non-ionic	
158	DERMASIL-4770	Dermasil-4770 is a silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent lubrication and smoothness. It increases tensile resilience, gives springy elastic handle and a unique softness on various fabrics. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness crease resistance, flexibility and lubricants especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle.	Modified polysiloxane & specialty surfactants (APEO Free)	Nonionic	
159	DERMASIL-6844	Dermasil-6844 is a silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent lubrication and smoothness. It increases tensile resilience, gives springy elastic handle and a unique softness on various fabrics. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. Treated fabric exhibits very smooth handle	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness	Emulsion of modified amino siloxane	Nonionic	
160	DERMASIL-CT	Dermasil-CT is developed as a non-ionic macro emulsion of a reactive, amino functional silicone fluid. It is particularly suitable as softener for the impregnation of fibers and textiles. It imparts very soft, drapable, and elastic touch to woven and knitted fabrics	1. It is considered to be the best softening agent for PES/cotton & PES/Wool fabrics. 2. It improves the wash and wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 3. It has very little effect on the degree of whiteness when usual application conditions are adhered to generally, no adverse effect on the shade or color fastness properties of colored goods is observed. 4. As part of formulations used as fill fiber finish, it imparts excellent slickness and resilience	Amino functional silicone fluid emulsion	Non-ionic	
161	DERMASIL-INS	Dermasil-INS is a silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent lubrication and smoothness. It increases tensile resilience, gives springy elastic handle and a unique softness on various fabrics. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness crease resistance, flexibility and lubricants especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle.	Modified polysiloxane & specialty surfactants (APEO Free)	Nonionic	
162	DERMASIL-IS	Dermasil-IS is a newly developed softener composed of amino modified polysiloxane as its principal active compound	1. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure 2. Treated fabric imparts very soft, lively smooth handle. 3. Treated fabric gives excellent inner softness especially on polyester & P/V fabric	Emulsion of modified amino siloxane	Nonionic	
163	FINISH/CONC-XLD	Finish-Conc-XLD is a cationic reactive high molecular elastomeric enhanced organic softener developed for application on dyed & printed knit & woven blended fabrics. It imparts a sleek soft handle with bulkiness. It has excellent penetrating & lubricating property & thus confers internal softness & drapability. It substantivity & polar character enhances durability of finish & antistatic property. It can be applied by exhaust, pad or low add-on techniques. It is recommended softener for wool, acrylic, polyester, cotton & their blends	1. It imparts a soft sleek handle with bulkiness on synthetics & their blends. 2. Its substantivity makes it an excellent softener for wool, cotton viscose & their blends with synthetics. 3. It imparts surface smoothness on wool & silk fiber & thus improves their drapability & fall. Its polarity enhances static dissipation 4. It maintains softness even during resin finishing & commonly improves tear strength & abrasion resistance. It is dye bath stable & has a slight leveling effect & hence can be used as dye bath softener, lubricant & antistat	Nitrogenous compound	Cationic	

	A	B	C	D	E	F
164	164	MAXSOFT	MAXSOFT not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing.	<ul style="list-style-type: none"> <li>1. Provides a high level of softness (impart softness for all types of synthetic fabric especially polyester &amp; their blends.</li> <li>2. Does not cause fabric yellowing.</li> <li>3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones.</li> <li>4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.</li> <li>5. Dilutions are extremely shear stable. Easily diluted with water.</li> <li>6. Water dilutions have excellent compatibility with finishing baths.</li> <li>7. Can be co-applied with fluorocarbon soil release agents.</li> <li>8. Works at very low dosage.</li> <li>9. May be used with most types of typical equipment's for textile finishing</li> </ul>	Polydimethylsiloxane with functional groups (emulsion in water).	Non-ionic
167	165	MICRODERM-AS	Microderm-AS is a semi-micro emulsion of reactive organo functional silicone. It gives elastomeric, soft smooth finish on all types of fabrics and blends.	<ul style="list-style-type: none"> <li>1. Excellent elastic resilience.</li> <li>2. Improved wash &amp; wear effects.</li> <li>3. Imparts smooth, soft handle.</li> <li>4. Improved elastic recovery of knitted goods.</li> <li>5. Prevents loop damage during high-speed industrial sewing.</li> <li>6. Improves the wet rub fastness of dyed fabrics.</li> <li>7. Improves dimensional stability of knit goods.</li> <li>8. Excellent hydrophilic and antistatic properties</li> </ul>	Organo functional silicone	Cationic
168	166	MICRODERM-DPR	Microderm-DPR is a semi-micro emulsion of an epoxy modified organo functional silicone elastomer to give permanent finish on all types of fibres and blends.	<ul style="list-style-type: none"> <li>1. Excellent elastic resilience.</li> <li>2. Improved wash &amp; wear effects.</li> <li>3. Imparts smooth, soft handle.</li> <li>4. Improved elastic recovery of knitted goods.</li> <li>5. Prevents loop damage during high-speed industrial sewing.</li> <li>6. Improves the wet rub fastness of dyed fabrics.</li> <li>7. Improves dimensional stability of knit goods.</li> </ul>	Amino modified silicone	Weakly cationic / Non-ionic
169	167	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	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics &amp; garments</li> <li>2. Can be applied by pad and exhaust.</li> <li>3. Improved sewability.</li> <li>4. Improved crease recovery angle &amp; resilience.</li> <li>5. Improved tear strength &amp; abrasion resistance.</li> <li>6. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> <li>7. Premium softness &amp; silky luxuries handle on woven &amp; knitted fabrics.</li> </ul>	Emulsion of modified amino siloxane	Weakly cationic
170	168	POWERSIL-2244	Powersil-2244 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Powersil-2244 is particularly designed to the degree of fabric softness. Powersil-2244 penetrates deep into the fiber bundle giving a luxurious soft handle.	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics.</li> <li>2. Can be applied by pad and exhaust.</li> <li>3. Improved sewability.</li> <li>4. Improved crease recovery angle &amp; resilience.</li> <li>5. Improved tear strength &amp; abrasion resistance.</li> <li>6. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> <li>7. Its high concentration makes it extremely economical in usage &amp; easy to handle.</li> <li>8. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio (b) Desired finishes i.e. softness etc. (c) Cost of finish.</li> <li>9. Premium softness &amp; silky luxuries handle on woven &amp; knitted fabrics.</li> <li>10. Improvement in strength &amp; recovery in knitted fabrics (elastomeric property).</li> </ul>	Modified polysiloxane & specialty surfactants	Non-ionic
171	169	POWERSIL-2271	Powersil 2271 is a silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent lubrication and smoothness. It increases tensile resilience, gives springy elastic handle and a unique softness on various fabrics. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. Treated fabric exhibits very smooth handle	<ul style="list-style-type: none"> <li>1. It imparts a unique hand coupled with durable wrinkle recovery.</li> <li>2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit.</li> <li>3. It is very economical in usage and easy to handle.</li> <li>4. Gives very good surface smoothness</li> </ul>	Emulsion of modified amino siloxane	Nonionic
172	170	POWERSIL-3472	Powersil-3472 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Powersil-2244 is particularly designed to the degree of fabric softness. Powersil-2244 penetrates deep into the fiber bundle giving a luxurious soft handle.	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics.</li> <li>2. Can be applied by pad and exhaust.</li> <li>3. Improved sewability.</li> <li>4. Improved crease recovery angle &amp; resilience.</li> <li>5. Improved tear strength &amp; abrasion resistance.</li> <li>6. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> <li>7. Its high concentration makes it extremely economical in usage &amp; easy to handle.</li> </ul>	Modified polysiloxane & specialty surfactants	Non-ionic
173	171	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	<ul style="list-style-type: none"> <li>1. Suitable for all kinds of fabric especially cotton woven &amp; denim garments &amp; fabric. It gives excellent surface smoothness on Polyester wool &amp; woolen fabrics</li> <li>2. It imparts a typically soft, waxy, peaches type handle to fabrics.</li> <li>3. Benefits wash wear performance. Suitable for padding and exhaust method.</li> <li>4. Provides good surface smoothness.</li> <li>5. Treated fabric gives least amount of thermo migration in polyester fabrics.</li> <li>6. Improves color depth &amp; brightness of treated fabric.</li> </ul>	Urethane pre-polymer composition & specialty silicone	Weakly cationic
174	172	POWERSIL-3660	Powersil-3660 is highly effective high performance semi-micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-3660-25 treated fabric exhibit excellent soft & smooth handle on all types of fabric	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth handle on all types of fabrics.</li> <li>2. Improves sewability, crease recovery &amp; tensile strength of the fabric.</li> <li>3. Can be applied by pad &amp; exhaust method.</li> <li>4. Improves the stretch &amp; recovery capacity of knit goods.</li> <li>5. Improves tear strength &amp; reduces abrasion loss.</li> <li>6. Effects are fast to washing &amp; dry cleaning.</li> </ul>	Emulsion of modified amino siloxane	Non-ionic
175	173	POWERSIL-3825	Powersil-3825 is a newly developed softener composed of amino modified polysiloxane as its principal active compound	<ul style="list-style-type: none"> <li>1. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure.</li> <li>2. Treated fabric imparts very soft, lively smooth handle.</li> <li>3. Treated fabric gives excellent inner softness especially on polyester &amp; P/V fabric.</li> </ul>	Emulsion of modified amino siloxane	Nonionic
176	174	POWERSIL-ESQ	Powersil-ESQ is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of it is particularly designed to the degree of fabric softness. Powersil-ESQ penetrates deep into the fiber bundle giving a luxurious soft handle.	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics.</li> <li>2. Improved crease recovery angle &amp; resilience.</li> <li>3. Improved tear strength &amp; abrasion resistance.</li> <li>4. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> </ul>	Emulsion of modified amino siloxane	Non-ionic
177	175	POWERSIL-JET	Powersil JET is a color deepening agent designed to increase the depth of primarily cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	<ul style="list-style-type: none"> <li>1. It gives colour deepening in dark shades up to 15 - 30 % by pad, dry-cure process.</li> <li>2. Excellent elastic resilience &amp; soft and smooth handle.</li> <li>3. Applicable by pad process only. For exhaust only to use in garment machine like drum washer</li> </ul>	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
178	176	POWERSIL-MCA	Powersil-MCA is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric.	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics.</li> <li>2. Can be applied by pad and exhaust.</li> <li>3. Improved sewability.</li> <li>4. Improved crease recovery angle &amp; resilience.</li> <li>5. Improved tear strength &amp; abrasion resistance.</li> <li>6. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> <li>7. Its high concentration makes it extremely economical in usage &amp; easy to handle.</li> </ul>	Modified polysiloxane & specialty surfactants	Non-ionic
179	177	POWERSIL-NT-PES	Powersil-NT-PES is an innovative special silicone emulsion which in contrast to classic formulations does not enhance the thermo-migration of dispersed dyes on polyester fabric.	<ul style="list-style-type: none"> <li>1. Wash fastness of dyed polyester fabric is closely related to the degree of thermo-migration of disperse dye during heat setting.</li> <li>2. Due to a sophisticated formulation thermo-migration and bleeding is reduced, wash fastness properties are improved &amp; the colour depth is enhanced.</li> <li>3. Suitable for Poly/Viscose, Poly/Wool &amp; polyester fabrics.</li> <li>4. Excellent elastic resilience, soft and smooth handle.</li> <li>5. It is exhaustible silicone with cationic character</li> </ul>	Silicone Urethane co-polymer	Non-ionic
180	178	POWERSIL-Q4	Powersil-Q4 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. Particle size of it is particularly designed to the degree of fabric softness. It penetrates deep into the fiber bundle giving a luxurious soft handle	<ul style="list-style-type: none"> <li>1. Gives excellent soft, smooth &amp; elastic handle on all types of woven &amp; knit fabrics.</li> <li>2. Improved sewability, crease recovery angle &amp; resilience.</li> <li>3. Improved tear strength &amp; abrasion resistance.</li> <li>4. Its fine particles size ensures faster &amp; uniform penetration into the fabric, making it less a surface treatment &amp; more an internal softener.</li> <li>5. Its high concentration makes it extremely economical in usage &amp; easy to handle.</li> </ul>	Organo modified poly siloxane	Non-ionic
181						

	A	B	C	D	E	F
	179	POWERSIL-SBT	Powersil-SBT is an eco-friendly, highly concentrated silicone softener, composed of diamino functional polysiloxane as its principal active compound. It imparts excellent softness and smoothness. It increases tensile resilience, gives springy elastic handle and a unique handle on various fabric substrates. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. AP60 free.	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness	Emulsion of modified amino siloxane	Non-ionic
182	180	PRODUCT-503	Product-503 is a concentrated silicone softener, composed of diamino functional polysiloxane as its principal active compound. It imparts excellent softness and smoothness. It increases tensile resilience, gives springy elastic handle and a unique handle on various fabric substrates. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. AP60 free.	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness	Emulsion of modified amino siloxane	Non-ionic
183	181	PRODUCT-504	Product-504 is a non-ionic emulsion of a reactive, amino functional silicone fluid. It is particularly suitable as softener for the impregnation of fibers and textiles. It imparts a very soft, drapable, and elastic touch to woven and knitted fabrics. Treated fabrics gives neutral color depth	1. It is considered to be the best softening agent for PES/cotton & PES/Wool fabrics. 2. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 3. As part of formulations used as fill fiber finish it imparts excellent slickness and resilience to the fiber. 4. Brighter look & color depth in dark fabric.	Semi-micro emulsion of modified poly siloxane	Non-ionic
184	182	SOFTSIL-CSK	Softsil-CSK is a micro emulsion concentrate of specially engineered amino modified silicone. It imparts an exceptionally soft full hand & luxurious handle along with improved resilience & fabric physicals	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finishes i.e. softness etc. and c) Cost of finish. 3. Premium softness & silky luxuries handle on woven & knitted fabrics. 4. Improvement in fabric physicals, tears strength, abrasion resistance, cut and sews performance, bending rigidity and co-efficiency of friction. 5. Improvement in wrinkle recovery & durable press appearance ratings of woven fabrics. 6. Improvement in strength & recovery in knitted fabrics (elastomeric property). 7. Durable finish stable over several home washing & laundering cycles	Functional polysiloxane	Cationic / Non-ionic
185	183	SOFTSIL-MI	Softsil-MI is a economical micro emulsion concentrate of specially engineered amino modified silicone. It imparts an exceptionally soft full hand & luxurious handle along with improved resilience & fabric physicals	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finishes i.e. softness etc. and c) Cost of finish. 3. Easy to dilute	Functional polysiloxane	Cationic / Non-ionic
186	184	SUPERSIL-2004	Supersil-2004 is a micro emulsion concentrate of specially engineered amino modified silicone. It is an excellent pigment print softener which imparts soft smooth handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finishes i.e. softness etc. and c) Cost of finish. 3. The running properties of the print pastes are improved. 4. Premium softness & silky luxuries handle on woven & knitted fabrics. 5. Improvement in fabric physicals, tears strength, abrasion resistance, cut and sews performance, bending rigidity and co-efficiency of friction. 6. Excellent softness on pigment printed fabric & improves rub fastness properties of prints.	Functional polysiloxane	Cationic / non-ionic
187	185	SUPERSIL-SOFT-PG	Supersil-Soft-PG is micro emulsion concentrate of specially engineered organo functional polysiloxane. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Provides flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finish and c) Cost. 4. The running properties of the print pastes are improved. 5. Excellent softness on pigment printed fabric & improves rub fastness properties of prints. 6. Premium smoothness & non-tacky handle on printed fabrics. 7. Improvement in fabric physicals, tear strength, abrasion resistance, cut and sew performance, bending rigidity and co-efficiency of friction.	Functional polysiloxane	Weakly cationic / non-ionic
188	186	SYLAST-BOU	Sylast-BOU is a concentrated specialty polysiloxane macro emulsion designed for application on synthetics, cotton and cotton blends for a bouncy finish	1. High molecular weight polysiloxane with organo modified. 2. High cross-linking tendency and forms a 3 dimensional poly network on substrate after curing 3. High substrate coverage. 4. Organo modification designed to provide high anchoring on centers. 5. Simultaneous organo-modification to provide lubricity and Suitable for heavy weight and light weight fabrics. 6. It imparts a bulky i.e. "tulle handle". 7. It improves the bounce of the fabric.	Organo modified polysiloxane	Non-ionic
189	187	SYLAST-FG-080	Sylast-FG-080 is a new generation engineered modified polysiloxane liquid concentrate micro emulsion for a smooth lustrous handle on all types of substrates.	1. Liquid Super concentrate. 2. Excellent consistent handle on all types of substrates. 3. Mercerized fabric finishing	Amino modified polysiloxane	Weakly Cationic
190	188	SYLAST-FG-196	Sylast-FG-196 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Sylast-FG-196 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. 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. Its high concentration makes it extremely economical in usage & easy to handle. 8. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio (b) Desired finishes i.e. softness etc. (c) Cost of finish. 9. Premium softness & silky luxuries handle on woven & knitted fabrics. 10. Improvement in strength & recovery in knitted fabrics (elastomeric property).	Modified polysiloxane & specialty surfactants	Non-ionic
191	189	SYLAST-HC	Sylast-HC is a modified siloxane Nano-dispersion. It is durable and free from fluorocarbon (PFOA & PFOS) and flammable liquids. It is used for imparting a durable water, soil & stain repellent properties minimizing aqueous soiling of porous or non-porous, absorbent or non-absorbent substrates.	1. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials i.e. plastics, coated plastics, wood, laminate, cork, rubber, imitation leather, leather. 2. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials.	Modified siloxane Nano-dispersion	Non ionic
192	190	Sylast HC-New	Sylast-HC New is a modified siloxane Nano-dispersion. It is durable and free from fluorocarbon (PFOA & PFOS) and flammable liquids. It is used for imparting a durable water, soil & stain repellent properties minimizing aqueous soiling of porous or non-porous, absorbent or non-absorbent substrates.	1. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials i.e. plastics, coated plastics, wood, laminate, cork, rubber, imitation leather, leather. 2. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials.	Modified siloxane Nano-dispersion	Non ionic
193	191	SYLAST-RU	Sylast-RU is non-ionic concentrated micro emulsion of an organo modified poly siloxane. Suitable for garment & fabric stage application	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty surfactants.	Non-ionic
194						

	A	B	C	D	E	F
195	192	SYLAST-SS	Sylast-SS is micro emulsion concentrate of specially engineered organo functional polysiloxane.	1. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Provides flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finish and c) Cost. 4. The running properties of the print pastes are improved. 5. Excellent softness on pigment printed fabric & improves rub fastness properties of prints. 6. Premium smoothness & non-tacky handle on printed fabrics. 7. Improvement in fabric physicals, tears strength, abrasion resistance, cut and sews performance, bending rigidity and co-efficiency of friction.	Functional polysiloxane	Cationic / Non-ionic
196	193	SYLAST-SS-75	Sylast-SS-75 is micro emulsion concentrate of specially engineered organo functional polysiloxane.	1. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Provides flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finish and c) Cost. 4. The running properties of the print pastes are improved. 5. Excellent softness on pigment printed fabric & improves rub fastness properties of prints. 6. Premium smoothness & non-tacky handle on printed fabrics. 7. Improvement in fabric physicals, tears strength, abrasion resistance, cut and sews performance, bending rigidity and co-efficiency of friction.	Functional polysiloxane	Cationic / Non-ionic
197	194	TEXTILE SURFACE FINISH-ZX	Textile Surface Finish-ZX is a cationic emulsion polymer of a proprietary re-equilibrated organo functional polysiloxane and biodegradable surfactants.	1. It improves the elasticity of finished fabrics and resilience. 2. It imparts luster, enhances depth of dyed shade and improves its color value. 3. It improves fabric crease resistance and D.P. appearance ratings. 4. On knits it improves bursting strength and prevents bagging during wear. 5. It imparts a rich and luxurious handle along with a silicone specific feel and super softness on all substrates.	Emulsion of modified amino siloxane	Cationic
198	195	TEXTILE FINISHER-EXL	Textile Finisher-EXL is a cationic reactive high molecular elastomer developed for application on dyed & printed knit & woven blended fabrics. Enhanced organic or it is premium catsilicone	1. It imparts a soft slick handle with bulkiness on synthetics & their blends. 2. Its substantivity makes it an excellent softener for wool, cotton viscose & their blends with synthetics. 3. It imparts surface smoothness on wool & silk fiber & thus improves their drapability & fall. 4. Its polarity enhances static dissipation. 5. It maintains softness even during resin finishing & commonly improves tear strength & abrasion resistance. It is dye bath stable & has a slight leveling effect & hence can be used as dyebath softener, lubricant & antistat	Nitrogenous compound	Cationic
199	196	TOPSOFT-PR	Topsoft-PR is a cationic emulsion polymer of a proprietary re-equilibrated organo functional polysiloxane and biodegradable surfactants. It imparts rich lustrant handle, a distinct down softness, excellent surface smoothness along with enhanced resilience. This innovation enables the processor to realize and optimize multifunctional benefits of a micro and mechanical emulsion, from a single product.	1. It improves the elasticity of finished fabrics and resilience. 2. It imparts luster, enhances depth of dyed shade and improves its color value. 3. It improves fabric crease resistance and D.P. appearance ratings. 4. It improves tear and tensile strengths, abrasion resistance & cut & sew performance. 5. On knits it improves bursting strength and prevents bagging during wear. 6. It is non-yellowing. It imparts wash fast and permanent properties. 7. It imparts a rich and luxurious handle along with a silicone specific feel and super softness on all substrates	Emulsion of modified amino siloxane	Cationic
200	197	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	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
201	198	TOPSOFT-HT	Topsoft-HT is a non-ionic macro emulsion of an organo modified poly siloxane containing ultra-low levels of surfactants. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness.	1. Excellent softness with a slick silky handle. 2. Ultra-low yellowing of practically non-yellowing softener. 3. Excellent surface smoothness with improved fabric drape, fall & enhanced wrinkle recovery. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Negligible effect on dye shades & fabrics whiteness. Permanent finish durable to multiple cycles of home washing & dry cleaning. Pad applicable	Modified polysiloxane & specialty surfactants	Non-ionic
202	199	CELEXTRA	CELEXTRA is shear stable non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Its fine particle size ensures easier & uniform penetration into the fibre making it an excellent internal softener. 5. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. No effect in dyed shades. 6. Improved tear strength, tensile resilience abrasion resistance, sewability & cut & sew performance. 7. Shear stable.	Functional Polysiloxane	Cationic / Non-ionic
203	200	DERMASIL-AH	Dermasil-AH is non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved d.p. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Completely Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. 5. No effect in dyed shades. Improved tear strength, tensile resilience abrasion resistance, sewability & cut and sew performance. Shear stable	Functional polysiloxane	Weakly cationic / Non-ionic
204	201	POWERSIL-3734	Powersil-3734 is weakly cationic micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric.	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics. Economical softener for garments 2. Can be applied by pad and exhaust. 3. Improved sewability. 4. Improved crease recovery angle & resilience. 5. Improved tear strength & abrasion resistance.	Emulsion of modified amino siloxane	Weakly cationic
205	202	POWERSIL-3735	Powersil-3735 is weakly cationic micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric.	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics. Economical softener for garments 2. Can be applied by pad and exhaust. 3. Improved sewability. 4. Improved crease recovery angle & resilience. 5. Improved tear strength & abrasion resistance.	Emulsion of modified amino siloxane	Weakly cationic
206	203	TOPSOFT-25-SS	Topsoft-25-SS is macro elastomer emulsion. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness. Improved tear & tensile strength, enhanced wrinkle resistance & excellent drape/fall even on difficult to soften fabrics are other realized properties. It is stable under acidic & mild alkaline conditions.	1. Excellent softness with a slick silky handle. 2. Excellent surface smoothness with improved fabric drape & fall & enhanced wrinkle recovery. 3. Reduced bending rigidity & coefficient of friction. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Improved D.P. rating, spot & stain resistance & a lively vibrant & full hand. 6. Negligible effect on dye shades & fabrics whiteness. 7. Permanent finish durable to multiple cycles of home washing & dry cleaning.	Modified polysiloxane & specialty surfactants	Non-ionic / cationic
207	204	TOPSOFT-DR	Topsoft-DR is a semi-micro emulsion of modified polysiloxane. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness. Freeze thaw stable	1. Excellent softness with a slick silky handle. 2. Excellent surface smoothness with improved fabric drape & fall & enhanced wrinkle recovery. 3. Reduced bending rigidity & coefficient of friction. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Freeze thaw stable	Modified polysiloxane	Non-ionic

	A	B	C	D	E	F
205	205	TOPSOFT-LOC	Topsoft-LOC is a semi-micro emulsion of modified polysiloxane. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness. Freeze thaw stable	1. Excellent softness with a slick silky handle. 2. Excellent surface smoothness with improved fabric drape & fall & enhanced wrinkle recovery. 3. Reduced bending rigidity & coefficient of friction. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Freeze thaw stable	Modified polysiloxane	Non-ionic
206	206	TOPSOFT-SS	Topsoft-SS is a non-ionic macro emulsion of an organo modified poly siloxane containing ultra-low levels of surfactants. It imparts a pure unhindered finish characterized by excellent softness & slick surface smoothness.	1. Excellent softness with a slick silky handle. 2. Ultra-low yellowing of practically non-yellowing softener. 3. Excellent surface smoothness with improved fabric drape, fall & enhanced wrinkle recovery. 4. Enhanced fabric physicals i.e. tear strength, flex abrasion resistance, cut & sew performance. 5. Negligible effect on dye shades & fabrics whiteness. Permanent finish durable to multiple cycles of home washing & dry cleaning. Pad applicable	Modified polysiloxane & specialty surfactants	Non-ionic
207	207	GLOGARD-800	Glogard-800 is durable, halogen free flame proofing agent for polyester fabrics, applicable by back coating methods on automotive textiles, upholstery fabrics and technical textiles	1. It has a high flame retardancy and water resistance. 2. It is halogen & formaldehyde free. 3. It is non-corrosive, no objectionable odor or fumes in the plant, on the goods or during washing. 4. The finish is non-fogging and treated fabrics do not generate any fumes in storage. 5. It imparts a durable, non-hygroscopic, non-corrosive, non-plasticizing & thermally stable flame retardant properties on synthetics and blended technical textiles, compliant with global FR standards like MVSS 302. 6. This finish is stable to the outdoor exposure i.e. UV radiation, heat & humid aging.	Acrylic binders & ammonium salt additives	Anionic
208	208	GLOGARD-APM	Glogard-APM is a functional ammonium phosphate powder flame retardant based on phosphorus/nitrogen synergism. It is formaldehyde free and halogen free flame retardant	1. Reduced solubility and viscosity in water. 2. Improved dispersibility and compatibility with polymers and resins. 3. Increased fluidity of powder. 4. Improved thermal expansion efficiency during inflaming retarding process and insulation performance.	Functional ammonium phosphate	Nonionic
209	209	GLOGARD-APP	Glogard-APP is a functional ammonium phosphate powder flame retardant based on phosphorus/nitrogen synergism. It is formaldehyde free and halogen free flame retardant.	1. Reduced solubility and viscosity in water. 2. Improved dispersibility and compatibility with polymers and resins. 3. Increased fluidity of powder. 4. Improved thermal expansion efficiency during inflaming retarding process and insulation performance.	Functional ammonium phosphate	Nonionic
210	210	Glogard-APP-WS	Glogard-APP-WS is water soluble flame retardant based on Ammonium Polyphosphate with short chain & low polymerization degree.	1. Powder or solid form, stable property, convenient for transportation, storage and use. 2. pH value is neutral & hence safe and stable during production use. 3. High P-N content with appropriate proportion, excellent synergistic effect.	Ammonium polyphosphate	Nonionic
211	211	GLOGARD-CP-NEW	Glogard-CP-NEW is based on an organo phosphorous compound, durable flame retardant for 100% cellulosic, silk, and viscose & its blended goods.	1. It is an excellent flame retardant for natural & regenerated cellulosic goods (except jute), which imparts a finish durable to multiple washing & dry-cleaning cycles. 2. It is non-corrosive with high phosphorus content & mainly used in protective work wear, all general outdoorwear, special wear, interior goods, home textiles etc. 3. Mainly by padding application 4. Fabric treated with it is resistance to laundering & dry-cleaning. 5. Good retention of handle & drape after processing. 6. Is non-blooming (without white residue on the surface of the fabric).	Organo phosphorus compound, fiber-reactive	Nonionic
212	212	GLOGARD-CSND	Glogard-CSND is a non-durable flame retardant for Polyester, polypropylene, synthetic fibers & their blends. It can be applied by padding, spraying or impregnating	1. It imparts excellent flame retardant properties durable to dry cleaning to polyester, nylon, synthetics fabric & their blends 2. The treated fabric exhibits a soft handle and a dry non-hygroscopic finish. 3. It is a non-hazardous. 4. It is readily biodegradable and has no adverse effect on the environment.	Blend of inorganic and organic salts	Nonionic
213	213	GLOGARD-HF-23	Glogard-HF-23 is durable, halogen free flame proofing agent for polyester fabrics, applicable by back coating methods on automotive textiles, upholstery fabrics and technical textiles.	1. It has a high flame retardancy and water resistance. 2. It is halogen & formaldehyde free. 3. It is non-corrosive, no objectionable odor or fumes in the plant, on the goods or during washing. 4. The finish is non-fogging and treated fabrics do not generate any fumes in storage. 5. It imparts a durable, non-hygroscopic, non-corrosive, non-plasticizing & thermally stable flame retardant properties on synthetics and blended technical textiles, compliant with global FR standards like MVSS 302. 6. This finish is stable to the outdoor exposure i.e. UV radiation, heat & humid aging.	Acrylic binders & ammonium salt additives	Anionic
214	214	GLOGARD-HFR	Glogard-HFR is a non-durable flame retardant for mattress ticking fabrics & other substrates. The product is an organic-inorganic complex, nitrogen & phosphorous based. It is a flame retardant product specific for natural fibers and their blends, synthetic fabrics, non-woven fabric for automotive textiles and knits. The flame retardant effects are not durable to laundering	1. General fastness and handle are slightly influenced. 2. Suitable for all types of fabric substrates. It can be applied by padding, spraying or impregnating 3. Halogen free, thus Ecofriendly & environmentally safe	Based on organic-inorganic complex, nitrogen & phosphorous	Non-ionic
215	215	GLOGARD-MCA	Glogard-MCA is a halogen free flame retardant based on melamine cyanurate.	1. Insoluble (Water, solvent). High thermal stability. 2. It is a halogen-free flame retardant. Being halogen free also results in significant advantages in terms of fire safety, i.e. lower smoke density, lower smoke toxicity and less corrosion. 3. With sublimation temperature the highest 440°C, it has a high thermal resistance and a good thermal stability in the processing. 4. Addition levels of Glogard-MCA are relatively low, giving good economics and mechanical properties compared to compounds containing halogen/antimony flame retardant systems. 5. Lower corrosion offers advantages in the processing stage or fire hazard	Melamine cyanurate	Nonionic
216	216	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	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
217	217	GLOGARD-PAD	Glogard-PAD is a water-soluble flame retardant for polypropylene, cellulosic, synthetics & its blend fibers. It is durable to dry cleaning & not to washing. It imparts a soft handle	1. It is durable to dry cleaning & not to washing(non durable). 2. It is suitable for woven, knitted and non-woven fabric substrates. Polyester, polypropylene, synthetic fibers & their blends. It can be applied by padding, spraying or impregnating 3. It imparts a soft handle.	Blend of inorganic and organic salts	Nonionic
218	218	GLOGARD-PEFR	Glogard-PEFR is an aryl phosphate based, halogen free permanent flame retardant for polyester fibers & blends.	1. It can be applied directly in the dyeing process with disperse dyestuff. 2. For best results flame retardant effect it's necessary to apply between 5-10 % of the product on the weight of fabric	Aryl phosphate	Anionic
219	219	GLOGARD-SCO	Glogard-SCO is resistant-to-soaking flame retardant preferably for cellulose and its blends with synthetic fibers according to BS 5852, part 1.	1. Not sensitive to hard water. 2. Dilutable with cold water. 3. Effects resistant to soaking according to BS-5651. 4. Effects resistant to dry cleaning in water-free systems. 5. High drying temperatures up to 170°C possible. 6. May cause corrosion of metal parts. 7. Does not tend to blooming on the fabric. 8. Dry handle without impairing the soft handle. 10. After pre-trials basically compatible with softeners, fluorocarbon resins, water repellents, synthetic resins based on methylol	Based on ammonium polyphosphate	Weakly anionic
220	220	GLOGARD-STU-CONC	Glogard-STU-Conc 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

	A	B	C	D	E	F
224	221	LASER-SOL	Laser-SOL is one such comfort finishing agent developed for chemical modification of polyester fibers. It is cationic additive employed to accelerate hydrolysis of polyester fibers in alkaline caustic bath and exhibit silky lustrous texture couple with excellent softness and improved drape, static dissipation, moisture absorbency and soil release properties.	1. It is an excellent weight reducing accelerator in caustic alkaline baths applicable by dipping process & pad-steam process. Its addition at low levels of 0.2% to 0.5% in caustic baths commonly boosts the rate of hydrolysis by over 400% even with 50% reduction of caustic soda concentration. 2. It causes a rapid loss in fabric weight and a uniform decreases in fabric diameter without any detrimental effect on fabric strength, yarn breaking load. 3. It allows almost 50% reduction of caustic soda concentration in treatment baths & also saves the processing time. Thus it improves processing economy by reducing energy consumption, effluent treatment cost, time & boosting productivity. 4. The treated fabric exhibit following property changes associated with comfort	Ammonium salt blend	Cationic
225	222	LASER-WR	Laser-WR is one such comfort finishing agent developed for chemical modification of polyester fibers. It is cationic additive employed to accelerate hydrolysis of polyester fibers in alkaline caustic bath and exhibit silky lustrous texture couple with excellent softness and improved drape, static dissipation, moisture absorbency and soil release properties	1. It is an excellent weight reducing accelerator in caustic alkaline baths applicable by dipping process & pad-steam process. Its addition at low levels of 0.2% to 0.5% in caustic baths commonly boosts the rate of hydrolysis by over 400% even with 50% reduction of caustic soda concentration. 2. It causes a rapid loss in fabric weight and a uniform decreases in fabric diameter without any detrimental effect on fabric strength, yarn breaking load. 3. It allows almost 50% reduction of caustic soda concentration in treatment baths & also saves the processing time. Thus it improves processing economy by reducing energy consumption, effluent treatment cost, time & boosting productivity. 4. The treated fabric exhibit following property changes associated with comfort	Ammonium salt blend	Cationic
226	223	LUBASOFT	LUBASOFT not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Non-ionic
227	224	LUBASSIST-109	Lubassist-109 is an anionic crease preventing agent / dyebath lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units.	1. It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers. 2. It is used in pretreatment, dyeing and after treatment. 3. Suitable for jet application. 4. Stable at temperatures up to 135°C. 5. Good stability to alkali and electrolytes. 6. Low foaming.	Fatty sulphonate preparation	Anionic
228	225	LUBASSIST-C	Lubassist-C is a high molecular weight, weakly anionic/non-ionic emulsion polymer. This product provides exceptional fiber/fiber and fiber/metal lubricity. It is recommended for use in the fabric wet processing for reduction of crack, crease, wrinkling, crow's feet, chafe marking & fold marks	1. Lowers textile to textile friction. No formation of permanent crease during wet finishing. 2. Rope opens & displace more easily, so improve levelness. 3. Reduces textile to metal friction. Textiles run better & more dependably in machines, no chafe marks or streaks. 4. Lowers the friction coefficient of the textile material. Higher utilization of jets, winches, paddle & drum type machines. Improved quality of results in short liquor processing. 5. Optimizes dependability of results. No impairment of liquor stability, hence no dye agglomeration & no quality problems with stains & specks. No unevenness, more even appearance of goods. 6. Has a non-permanent softening effect. Improved running properties of textile material. No stiffness of viscose in wet state. 7. Can be used for all type of fabric substrate. 8. Is highly effective at all temperature & pH levels. Suitable for all dyeing method. 9. Has no retarding effect. Best dye yield & high reproducibility of results. 10. Does not impair rubbing fastness. No foam problems in jet dyeing machines. 11. Does not impair absorbency.	High molecular weight polymer solution	Weakly anionic / non-ionic
229	226	LUBASSIST-C/Conc	Lubassist-C-Conc is a high molecular weight, weakly anionic/non-ionic concentrated polymer in powder form.	1. Lowers textile to textile friction. No formation of permanent crease during wet finishing. 2. Rope opens & displace more easily, so improve levelness. 3. Reduces textile to metal friction. Textiles run better & more dependably in machines, no chafe marks or streaks. 4. Lowers the friction coefficient of the textile material. Higher utilization of jets, winches, paddle & drum type machines. Improved quality of results in short liquor processing. 5. Optimizes dependability of results. No impairment of liquor stability, hence no dye agglomeration & no quality problems with stains & specks. No unevenness, more even appearance of goods. 6. Has a non-permanent softening effect. Improved running properties of textile material. No stiffness of viscose in wet state. 7. Can be used for all type of fabric substrate. 8. Is highly effective at all temperature & pH levels. Suitable for all dyeing method.	Non-ionic polymer	Weakly anionic / non-ionic
230	227	MICROTEK-FCS	Microtek-FCS is uniquely engineered polysiloxane which is compatible with fluorocarbon & soil release agents	1. Does not interfere with soil release properties of fabrics treated with fluorocarbon soil release agents. 2. Non-yellowing. 3. Shear stable. 4. High level of softness suitable for all type of fabrics. 5. By pad, exhaust application. Provides re-wetting properties to fabrics	Polysiloxane	Non-ionic
231	228	MICROTEK-SS	Microtek-SS is a novel textile designed to provide soft, silky, hand to fabrics. The softness provided by Microtek-SS is durable for numerous detergent washes.	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. Fabrics treated with Microtek-SS are not hydrophobic. 5. It imparts a slow wetting durable hydrophilic character to fabrics. 6. Dilutions are extremely shear stable. Easily diluted with water or alcohol.	Block silicone emulsion	Non-ionic
232	229	MICROTEK-SSR	Microtek-SSR is block silicone emulsion. It not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing.	1. The new modified group endows the fabric with excellent soft, smooth, silky handle. 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance.	Polysiloxanes, Polyether	Weakly cationic / Non-ionic
233	230	MICROTEK-SS-U	Microtek-SS-U is a novel textile designed to provide soft, silky, hand to fabrics. The softness provided by Microtek-SS is durable for numerous detergent washes.	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. Fabrics treated with Microtek-SS are not hydrophobic. 5. It imparts a slow wetting durable hydrophilic character to fabrics. 6. Dilutions are extremely shear stable. Easily diluted with water or alcohol.	Block silicone emulsion	Non-ionic
234	231	PDF-60	PDF-60 Emulsion is a 60% actives non-ionic emulsion formulated with a polydimethylsiloxane. It is an extremely stable, water-thinned emulsion commonly used as a release agent for rubber and plastic products. Its application on rubber surface gives gloss or shine to car tyres so can be used in tyre dressing for car valeting. Good lubricity, easy release, high-temperature stability of silicone fluid, low volatility of silicone fluid, chemical inert and water dispersible	1. Good compatibility with other finishing ingredients. 2. May improve gloss and brightness. 3. Resistance to scorching, yellowing, water spotting and chlorine damage. 4. Minimal swelling on fiber and rubber & reduce tackiness. 5. Acts as lubricant or mold release agent for easy stripping. 6. Release agent for manufacturing rubberized belts & in printing industry. 7. Gives excellent dry soft handle to the synthetic fabric. Treated synthetic fabric have crispy handle.	Functional polysiloxane	Non-ionic
235	232	PERMAFIN-AO	Pernaufin-AO is a new generation softener and lubricant for all types of fabric substrates. It imparts excellent softness, greasy-soapy handle with antistatic properties. It is pad and exhaust applicable. It is enhanced organic softener	1. The economical aspects of Pernaufin-AO makes it an excellent general purpose softener, as well as a synergistic component of actual softener system to extend the effects of more expensive softeners such as silicone softeners. 2. It offers good internal lubricity & drape. 3. It improves abrasion, tear & ozone protection. 4. It offers enhance antistatic properties, which help control static build up during processing	Amide siloxane	Cationic

	A	B	C	D	E	F
233	PERMAFIN-CO	Permafin-CO is a water soluble reactive type of Polyurethane elastomer recommended for use in the finishing of Cellulosic, Polyester as well as their blends, to impart a soft springy finish to both woven & knitted fabrics. The treated fabrics & garments exhibit unique surface smoothness, soft feel similar to touch of a rose petal.	1. It is not affected by sunlight or hydrolysis & when cured at temperatures of 130°C-170°C. 2. It gives excellent wash fastness & stability, improved tear strength & excellent crease recovery resulting in a lively bouncy handle. 3. It is compatible with most chemicals & is extremely suitable for Air Permeability reduction. 4. It is an elastomer treatment and since there is no formaldehyde in the system, there is no health hazard	Ether modified polyurethane	Weakly cationic	
234	PERMAFIN-IO	Permafin-IO is a new generation softener and lubricant for all types of fabric substrates. It imparts excellent softness, greasy-soapy handle with antistatic properties. It is pad and exhaust applicable. It is enhanced organic softener	1. The economical aspects of Permafin-AO makes it an excellent general purpose softener, as well as a synergistic component of actual softener system to extend the effects of more expensive softeners such as silicone softeners. 2. It offers good internal lubricity & drape. 3. It improves abrasion, tear & ozone protection. 4. It offers enhance antistatic properties, which help control static build up during processing	Amide siloxane	Cationic	
235	Permafin Nano PU	Permafin-NANO-PU is Nano-dispersion self-crosslinking polyether polyurethane for high-grade finishing applications	1. Nano-emulsion for optimal distribution over and penetration into the fabric. 2. Forms a film around and between fibers. 3. Yields unique properties and application possibilities. 4. Special finishing. 5. Can be used to obtain special handle modifications. 6. Anti-pilling treatments. 7. Upgrade of resin finish treatments. 8. Increased durability of selected softeners and resin finishes. 9. Durable hydrophilic finishes on all fibers. 10. Improved wet and dry rub fastness	Aqueous preparation of a modified polyether polyurethane	Non-ionic	
236	PERMAFIN-PIA	Permafin-PIA is a textile chemical made from Polyurethane and used widely in textile finishing along with other finishing agents like silicone emulsion. It is ready emulsion easily soluble in water and imparts good softness and drape, resilience and body to textile fabrics.	1. Most suitable for synthetic fabrics. 2. Imparts soft and smoothness handling for polyester, nylon, rayon and polyester/cotton and polyester/viscose fabrics. 3. Good water absorbency. 4. Non-yellowing by heat, light and NOx gases. 5. Light and rubbing fastness does not decrease. 6. Can be used easily with amino silicone emulsion and thus can reduce cost. 7. Imparts excellent resilience to fabrics.	Self solubility modified polyurethane	Non-ionic	
237	PERMAFIN-TA	Permafin-TA is a solvent and Alkyl Phenol Ethoxylate (APE) free polymer based thickener designed for all types of water based formulations, especially the solvent free formulations.	1. It is Solvent free & Alkyl Phenol Ethoxylate (APE) free. 2. Cost-effective due to its high reactivity towards most of the solvent free and solvent containing binders. 3. Liquid, easy-to-handle and highly concentrated. 4. Easy to use sole or in combination with every kind of low shear effective thickener. 5. It provides excellent coating properties due to its high associative effectiveness with every kind of binder. It increases specifically the viscosities at medium and high shear rates in order to improve tool load, film build, leveling and brush drag. It also prevents from settling and sagging tendency in low PVC formulations.	Polymer	Non-ionic	
238	PERMAFIN-UR/Conc	Permafin-UR-Conc is a newly developed reactive concentrated polyurethane resin emulsion for finishing of various kinds of textile fabrics. The polyurethanes are mainly used for anticrease and anti-shrinkage finish of P/C, P/V, cotton and other fabrics.	1. It gives excellent softness to rayon, polyester/rayon and polyester/cotton fabrics. 2. It gives excellent non-shrinkage and non-crease (anti-crease) properties to fabrics when it is applied in combination with thermosetting resins such as glyoxal resin. 3. It does not give yellowing trouble when used for finishing white fabrics. 4. It does not give bad effect to the fastness of dyed fabrics. 5. It gives the brilliancy to the dark color/shade of the dyed fabrics i.e. it increases the color value of fabrics when used for finishing	Polyurethane resin	Weakly cationic / non ionic	
239	PERMAFIN-UR-NEW	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.	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. 8. Very good absorbency & can be used for moisture management & cool finish.	Aqueous preparation of a modified polyether polyurethane	Weakly cationic	
240	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 CR, 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	
241	POLYDERM-HI-2000	Polyderm-HI-2000 is a cationic emulsion polymer of a proprietary re-equilibrated organo functional polysiloxane and biodegradable surfactants	1. It improves the elasticity of finished fabrics and resilience. 2. It imparts luster, enhances depth of dyed shade and improves its color value. 3. On knits it improves bursting strength and prevents bagging during wear. 4. It imparts a rich and luxurious handle along with a silicone specific feel and super softness on all substrates	Emulsion of modified amino siloxane	Cationic	
242	PROFINISH-2091	Profinish-2091 is a non yellowing softening agent for softening effects on cellulosic and their blends.	1. Pourable form. 2. Gives excellent surface softness & smoothness to all type of fabric substrates. 3. Outstanding effect from a long liquor when used in small amounts. 4. Improves the mechanical properties of fibers in subsequent processes such as drafting, winding, reeling, knitting etc. 5. Minimal effect on the light fastness & shade of dyeing's & prints. 7. Resistant to dry heat up to about 215°C.	Carboxylic acid amide derivative	Cationic	
243	PROFINISH-2091/CONC	Profinish-2091 /conc is a non yellowing softening agent for softening effects on cellulosic and their blends.	1. Lumps form 2. Gives excellent surface softness & smoothness to all type of fabric substrates. 3. Outstanding effect from a long liquor when used in small amounts. 4. Improves the mechanical properties of fibers in subsequent processes such as drafting, winding, reeling, knitting etc. 5. Minimal effect on the light fastness & shade of dyeing's & prints. 7. Resistant to dry heat up to about 215°C.	Carboxylic acid amide derivative	Cationic	
244	PROFINISH-CWS/CONC	Profinish-CWS-Conc is a cold water soluble cationic softener flakes which gives excellent softness and smoothness to all type of fabrics.	1. Gives excellent softness & smoothness to all type of fabric substrates. 2. Improves the mechanical properties of fibers in subsequent processes such as drafting, winding, reeling, knitting etc. 3. Increases the elasticity of textured polyamide crimped yarn. 4. Minimal effect on the light fastness & shade of dyeing's & prints. 5. Improves sewability.	Fatty acid derivative	Cationic	
245	PROFINISH-HDNI	Profinish-HDNI is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types.	1. Designed for application by padding & exhaust methods in short liquor jets. 2. It maintains gloss. It reduces coefficient of friction & enhances rub & scratch resistance. 4. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 5. It does not affect the whiteness of brightened goods. 6. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 7. It eases needle penetration considerably when needling non-woven and felts. 8. It is low-foaming, therefore suitable for application in jets	Aqueous dispersion of aliphatic polyolefin	Weakly cationic / non-ionic	
246	PROFINISH-HIS	Profinish-HIS is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. Antistatic softener for synthetic fibers	1. No influence on existing hydrophilic fabric properties. Enhances the absorbency of terry towel when used along with hydrophilic silicone emulsions. 2. Affinity for the fiber. 3. Applicable in exhaust or pad processes. 4. Low-foaming & Jet-stable. 5. Resistant to hardness. 6. High salt resistance.	Quaternary amine tetra-alkyl ammonium sulfate	Cationic	
247	PROFINISH-HIS/Conc	Profinish-HIS-Conc is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. Antistatic softener for synthetic fibers.	1. No influence on existing hydrophilic fabric properties. Enhances the absorbency of terry towel when used along with hydrophilic silicone emulsions. 2. Affinity for the fiber. 3. Applicable in exhaust or pad processes. 4. Low-foaming & Jet-stable. 5. Resistant to hardness. 6. High salt resistance.	Quaternary amine tetra-alkyl ammonium sulfate	Cationic	
248	PROFINISH-HIS	Profinish-HIS is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. Antistatic softener for synthetic fibers	1. No influence on existing hydrophilic fabric properties. Enhances the absorbency of terry towel when used along with hydrophilic silicone emulsions. 2. Affinity for the fiber. 3. Applicable in exhaust or pad processes. 4. Low-foaming & Jet-stable. 5. Resistant to hardness. 6. High salt resistance.	Quaternary amine tetra-alkyl ammonium sulfate	Cationic	
249	PROFINISH-HIS/Conc	Profinish-HIS-Conc is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. Antistatic softener for synthetic fibers.	1. No influence on existing hydrophilic fabric properties. Enhances the absorbency of terry towel when used along with hydrophilic silicone emulsions. 2. Affinity for the fiber. 3. Applicable in exhaust or pad processes. 4. Low-foaming & Jet-stable. 5. Resistant to hardness. 6. High salt resistance.	Quaternary amine tetra-alkyl ammonium sulfate	Cationic	
250	PROFINISH-HIS	Profinish-HIS is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. Antistatic softener for synthetic fibers	1. No influence on existing hydrophilic fabric properties. Enhances the absorbency of terry towel when used along with hydrophilic silicone emulsions. 2. Affinity for the fiber. 3. Applicable in exhaust or pad processes. 4. Low-foaming & Jet-stable. 5. Resistant to hardness. 6. High salt resistance.	Quaternary amine tetra-alkyl ammonium sulfate	Cationic	

	A	B	C	D	E	F
248	248	PROFINISH-ISK	Profinish-ISK is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax) & silicone. It is a handle modifier and sewability improver for textile goods of all types	<ul style="list-style-type: none"> <li>8 Maintains gloss.</li> <li>9 Decreases coefficient of friction.</li> <li>1. Enhanced rub &amp; scratch resistance.</li> <li>2. High melting point.</li> <li>3. Distinctly improves the sewability of woven and knitted fabrics.</li> <li>4. Produces a very soft, smooth handle.</li> <li>5. Facilitates making up operations.</li> <li>6. Does not affect the whiteness of brightened goods.</li> <li>7. Improves the abrasion resistance of resin finished goods.</li> <li>8. Noticeably improves the effect on raised goods.</li> <li>9. Eases needle penetration considerably when needling non-woven and felts</li> </ul>	Polyethylene emulsion	Non-ionic
249	249	PROFINISH-KL-NEW	Profinish-KL-NEW is a softener for cellulosic fibers and their blends with synthetics.	<ul style="list-style-type: none"> <li>1. Very good softening effects, also on mercerized cotton.</li> <li>2. No impairment of hydrophilic properties.</li> <li>3. Promotes mechanical shrinkage of knitwear.</li> <li>4. Suitable for pretreatment of prints.</li> <li>5. Suitable for white goods.</li> <li>6. Improvement of sewability.</li> <li>7. Application on reactive dyeing's and prints is also possible with pH-values of 6.0 - 6.5.</li> </ul>	Based on quaternary ammonium softener & silicone	Cationic
250	250	PROFINISH-LAN	Profinish-LAN is a Softening agent to improve sewability of open-end yarns	<ul style="list-style-type: none"> <li>1. For cellulosic, wool and blends of these fibers with synthetics.</li> <li>2. Improves sewability, especially of open-end yarns.</li> <li>3. Improves the elasticity of knitted fabrics.</li> <li>4. Extremely smooth, silky handle.</li> <li>5. Suitable for jet application.</li> <li>6. Low foaming.</li> </ul>	Fatty acid condensation product/ polyethylene derivative	Cationic
251	251	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	<ul style="list-style-type: none"> <li>8 It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers.</li> <li>1. It is used in pretreatment, dyeing and after treatment.</li> <li>2. Suitable for jet application.</li> <li>3. Stable at temperatures up to 135°C.</li> <li>4. Good stability to alkali and electrolytes.</li> <li>5. Low foaming.</li> </ul>	Fatty sulphonate preparation	Anionic
252	252	PROFINISH-LCS	Profinish-LCS is a concentrated liquid hydrophilic cationic softener dispersible in cold water	<ul style="list-style-type: none"> <li>1. Preparation of acrylic tow for stretch breaking.</li> <li>2. Use as softener in dyebath for acrylic fibers and as levelling agent for dyeing process.</li> <li>3. Softener for cellulose, synthetic, wool and their blends.</li> <li>4. Use for garment washing and denim finish.</li> <li>5. Good softener in resin finishing.</li> <li>6. Good softening agent for non-woven.</li> <li>7. Highly substantive, strong antistatic effect and imparts treated goods with a soft, smooth handle, while it does not adversely affect the dye fastness.</li> <li>8. It shows good stick-slip behavior and improves sewability.</li> </ul>	Quaternary ammonium compound	Cationic
253	253	PROFINISH-LU	Profinish-LU is a non-ionic crease prevention agent/dyebath lubricant for woven and knitted goods made of all types of natural and synthetic fibers and their blends for use in pretreatment, dyebath and after treatment.	<ul style="list-style-type: none"> <li>1. Non-foaming.</li> <li>2. High resistance to alkali and electrolytes.</li> <li>3. Suitable for application on jet dyeing units (cationic and anionic liquors).</li> <li>4. Can be diluted with cold water, forms stable stock solutions.</li> <li>5. For cellulosic fibers, wool, acrylics, polyamide, polyester and blends of these fibers.</li> <li>6. For use in pretreatment, dyeing and after treatment.</li> <li>7. Low foaming. Stable temperatures up to 135°C.</li> </ul>	Fatty acid ester preparation	Non-ionic
254	254	PROFINISH-N-200	Profinish-N-200 is a non-ionic softening agent which gives softening effects on cellulosic and their blends, and on all synthetic fibers with the exception of acrylics	<ul style="list-style-type: none"> <li>1. Low foaming. Easily handled due to its liquid consistency.</li> <li>2. Stable to hard water, as well as to concentrations of acids and alkalis normally present.</li> <li>3. It is compatible with all types of optical brightening agents, and with dyestuffs of all classes.</li> <li>5. Non-yellowing, even at high drying temperature.</li> <li>6. Gives excellent softening effects on cellulosic and their blends, and on all synthetic fibers with the exception of acrylics.</li> </ul>	Fatty acid derivative	Non-ionic
255	255	PROFINISH-OC	Profinish-OC is a softener for natural and synthetic fibers. Softening of all fiber types, preferably by exhaustion	<ul style="list-style-type: none"> <li>1. Excellent soft handle on all fibers types, especially on PAN.</li> <li>2. Outstanding effect from a long liquor when used in small amounts.</li> <li>3. Improves the mechanical properties of fibers in subsequent processes such as drafting, winding, reeling, knitting etc.</li> <li>4. Increases the elasticity of textured polyamide crimped yarn.</li> <li>5. Minimal effect on the light fastness &amp; shade of dyeing &amp; prints.</li> <li>6. Improves sewability.</li> </ul>	Carboxylic acid amide derivative	Cationic
256	256	PROFINISH-OE	Profinish-OE is a softening agent to improve sewability of open-end yarns	<ul style="list-style-type: none"> <li>1. For cellulosic, wool and blends of these fibers with synthetics.</li> <li>2. Improves sewability, especially of open-end yarns.</li> <li>3. Improves the elasticity of knitted fabrics.</li> <li>4. Extremely smooth, silky handle.</li> <li>5. Suitable for jet application.</li> <li>6. Low foaming.</li> </ul>	Fatty acid condensation product/ polyethylene derivative	Cationic
257	257	PROFINISH-PEN	Profinish-PEN is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types	<ul style="list-style-type: none"> <li>1. Maintains gloss.</li> <li>2. Decreases coefficient of friction.</li> <li>3. Enhanced rub &amp; scratch resistance.</li> <li>4. Distinctly improves the sewability of woven and knitted fabrics.</li> <li>5. Facilitates making up operations.</li> <li>6. Improves the abrasion resistance of resin finished goods.</li> <li>7. Noticeably improves the effect on raised goods.</li> <li>8. Eases needle penetration considerably when needling non-woven and felts.</li> </ul>	Aqueous dispersion of aliphatic polyolefin	Non-ionic
258	258	PROFINISH-RWS	Profinish-RWS is a low-foaming hydrophilic specialty softening agent which imparts a very supple, soft feel and lubricity to cellulosic and synthetics. It also significantly increases overall softness and abrasion resistance when applied to woollen fabrics.	<ul style="list-style-type: none"> <li>1. Gives a silky soft and flowing handle, without impairing water absorbency, to the finished fabric and is particularly suited to toweling, bed-linen, knitted sportswear, hosiery and underwear.</li> <li>2. Has low foaming tendency and is therefore ideal for application in circulating machines like jet and high-speed winch.</li> <li>3. Confers an exclusive full and soft natural feel and improves abrasion resistance of wool and wool blends, increasing fabric tear resistance and durability.</li> <li>4. Shows good resistance to yellowing of whites and dulling of bright colors even when finished goods are subjected to heat treatment or prolonged storage.</li> <li>5. Is particularly suitable as a garment finish and can be applied easily by allowing the garment to soak in an aqueous dispersion of Profinish-RWS (in a bucket, tank, or washing machine) followed by squeezing/spin-drying and ironing.</li> </ul>	Blend of non-ionic and cationic ethoxylated esters	Weakly cationic
259	259	PROFINISH-SHD	Profinish-SHD is cationic sewability improver for textile fabrics of cellulosic, synthetic or wool fibers and their blends	<ul style="list-style-type: none"> <li>1. Specially designed for application by the exhaust method in short liquor jets.</li> <li>2. Improves the sewability of textile fabrics, especially knitwear</li> <li>3. Imparts an excellent soft handle. Facilitates garments manufacture</li> <li>4. Is easy to handle. Is low-foaming, therefore suitable for application in jets</li> </ul>	Aqueous dispersion of aliphatic polyolefin	Weakly cationic / non-ionic
260	260	PROFINISH-SS	Profinish-SS is a hydrophilic softener for cellulosic fibers, especially for terry goods, underwear or sportswear that require a good absorption, jet-stable. It is an excellent antistatic softener for synthetic fibers like polyester, acrylic etc.	<ul style="list-style-type: none"> <li>1. No influence on existing hydrophilic fabric properties.</li> <li>2. Affinity for the fiber.</li> <li>3. Applicable in exhaust or pad processes.</li> <li>4. Low-foaming &amp; jet-stable.</li> <li>5. Resistant to hardness.</li> <li>6. High salt resistance.</li> <li>7. Antistatic effect for synthetic fibers.</li> </ul>	Quat softener	Cationic
261	261	PROFINISH-TSN	Profinish-TSN is a fine dispersion of high density polyethylene wax (Hard polyethylene wax). Non-ionic softener and sewability improver for textile goods on all types of fibers.	<ul style="list-style-type: none"> <li>1. Maintains gloss.</li> <li>2. Decreases coefficient of friction.</li> <li>3. Enhanced rub &amp; scratch resistance.</li> <li>4. Distinctly improves the sewability of woven and knitted fabrics.</li> <li>5. Facilitates making up operations.</li> <li>6. Improves the abrasion resistance of resin finished goods.</li> <li>7. Noticeably improves the effect on raised goods.</li> <li>8. Eases needle penetration considerably when needling non-woven and felts.</li> </ul>	Polyethylene wax emulsion	Weakly cationic / non-ionic
262	262	PROFINISH-UK	Profinish-UK is a versatile liquid softener for all types of fibers. It is fatty acid condensation product. It gives excellent soft handle on all types of fibers	<ul style="list-style-type: none"> <li>1. Sewing threads and yarns of any given fiber glides smoothly when treated with Profinish-UK, which makes for easier and more rapid sewing.</li> <li>2. Excellent lubricating and softening effect let you process knitting job smoothly</li> <li>3. It improves sewing behavior of finished cotton fabric.</li> <li>4. The antistatic property of Profinish-UK provides sufficient protection and so no special agent to be applied with this agent.</li> <li>5. In the production of calendared effects the goods are often subjected to heavy friction by the calendared rolls. It protects the fabrics from this mechanical action and so promotes ease of calendaring, living the finished goods with a superior handle.</li> </ul>	Fatty acid condensation product	Cationic



	A	B	C	D	E	F
263	263	PROWAX-AC	Prowax-AC is an oxidized homopolymer for a wide variety of water-based emulsions allowing products perform better.	1. Maintains gloss. 2. Decreases coefficient of friction. 3. Enhanced rub & scratch resistance. 4. Distinctly improves the sewability of woven and knitted fabrics. 5. Facilitates making up operations. 6. Improves the abrasion resistance of resin finished goods. 7. Noticeably improves the effect on raised goods. 8. Eases needle penetration considerably when needling non-woven and felts.	Oxidized homopolymer	Non-ionic
266	264	PROWAX-NK	Prowax-NK is used as softener to give body enhancing properties to the fabrics. It increases the tear strength and abrasion resistance of fabrics treated with resins	1. It can be use alone as a softener or along with non-ionic softener like Modsoft-L-Conc and or with Silicone Emulsion PMH to give excellent finishing properties. 2. Since Prowax-NK is non-chlorine retentive it does not yellow at the baking temperature employed in the finishing process	Olefin wax	Non-ionic
267	265	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
268	266	QUEST-AQ	Quest-AQ is a fabric conditioner imparts durable soil release & anti-soil re-disposition properties to 100% polyester, nylon & its blends under a variety of application conditions.	1. Increased wearer comfort: By creating a special hydrophilic surface on the polyester fabric, Quest-AQ enables to garment to absorb moisture from the body and allow it to evaporate. In other words Quest-AQ gives polyester the ability to "breathe" and impart a cool, absorbent feeling. 2. Antistatic effect: It minimizes the build-up of irritating static charges in the fabric and therefore eliminates the undesirable "clinging" problem often encountered in polyester garments. This antistatic protection also reduces the pick-up of air-borne dust and therefore reduces the cleaning effort. Garments come clean with the mildest wash and do not need expensive detergents. 3. Lower soil re-deposition: The special soil release action of Quest-AQ ensures that white fabrics stay white and colored fabrics stay bright. The "graying" or "dulling" of fabrics which occurs during domestic washing is markedly reduced. 4. Enhanced stain removal: It makes it easy to wash off oily or greasy stains and keeps the fabric fresh and clean.	Polymeric Hydrophilic	Non-ionic
269	267	QUEST-AQ/CONC	Quest-AQ-Conc is a fabric conditioner imparts durable soil release & anti-soil re-disposition properties to 100% polyester, nylon & its blends under a variety of application conditions.	1. Increased wearer comfort: By creating a special hydrophilic surface on the polyester fabric, Quest-AQ conc enables to garment to absorb moisture from the body and allow it to evaporate. In other words Quest-AQ conc gives polyester the ability to "breathe" and impart a cool, absorbent feeling. 2. Antistatic effect: It minimizes the build-up of irritating static charges in the fabric and therefore eliminates the undesirable "clinging" problem often encountered in polyester garments. This antistatic protection also reduces the pick-up of air-borne dust and therefore reduces the cleaning effort. Garments come clean with the mildest wash and do not need expensive detergents. 3. Lower soil re-deposition: The special soil release action of Quest-AQ conc ensures that white fabrics stay white and colored fabrics stay bright. The "graying" or "dulling" of fabrics which occurs during domestic washing is markedly reduced. 4. Enhanced stain removal: It makes it easy to wash off oily or greasy stains and keeps the fabric fresh and clean. 5. It may be applied before, during or after dyeing. It may be used with disperse & cationic dyes or combination thereof. Remarkably improved moisture transport (water absorption & wicking) is obtained with fabric treated with Quest-AQ-conc	Polymeric Hydrophilic	Non-ionic
270	268	QUEST-CSR	Quest-CSR produces durable hydrophilic soil release properties in naturally hydrophobic fiber such as polyester knits, weaves, yarns and nonwovens. Quest-CSR is suitable for use in sportswear and general garments requiring good perspiration absorbency, in easily-soiled work clothes and table cloths, flame-resistant curtains, and dish cloths and towels requiring water absorbency.	1. It imparts wash-fast water/perspiration absorbency to normally hydrophobic polyester. 2. It imparts durable SR properties (SRM and SRD) to polyester. 3. Quest-CSR finishes polyester with a soft hand. 4. It can be used simultaneously in the disperse dyeing of polyester. 5. With Quest-CSR, causing hindrance to flame-resistant properties is unlikely	Special polyester polymer resin	Anionic
271	269	QUEST-HT	Quest-HT is fabric conditioner imparts durable soil release & anti-soil re-disposition properties to 100% polyester & its blends under a variety of application conditions. Treated fabric exhibits excellent moisture transfer effect.	1. Provides good softness with stretch back property. 2. Can be used for exhaustion & pad method. 3. High consistency in performance even after 50 home launderings. 4. Treated fabric gives dual effect of quick absorption & drying for polyester & polyester rich blends. 5. Increases the speed of moisture diffusion in three directions enabling the fabric to lift perspiration immediately from the skin to the outer surface of the garment & evaporates as the moisture does not get trapped in the clothing. Treated fabric imparts total comfort - no matter what the conditions. 6. Three dimensional warp wise, weft wise & atmospheric transportation moisture designed for polyester & polyester rich fabrics or garment. 7. Ensures removal of moisture or sweat at much higher speed & keep the body dry with no after sweat chill effect. 8. Imparts non-cling performance to 100% polyester for better wearer comfort. 9. Notable improvement in the electrical conductivity of polyester fibers.	Polyester resin	Non-ionic
272	270	QUEST-MT/Conc	Quest-MT-Conc is a fabric conditioner imparts durable soil release & anti-soil re-disposition properties to 100% polyester & its blends under a variety of application conditions. Treated fabric exhibits excellent moisture transfer effect.	1. High consistency in performance even after 50 home launderings. 2. Treated fabric gives dual effect of quick absorption & drying for polyester & polyester rich blends. 3. Increases the speed of moisture diffusion in three directions enabling the fabric to lift perspiration immediately from the skin to the outer surface of the garment & evaporates as the moisture does not get trapped in the clothing. Treated fabric imparts total comfort - no matter what the conditions. 6. Three dimensional warp wise, weft wise & atmospheric transportation moisture designed for polyester & polyester rich fabrics or garment. 7. Ensures removal of moisture or sweat at much higher speed & keep the body dry with no after sweat chill effect.	Polymeric Hydrophilic Compound	Non-ionic
273	271	QUEST-NP	Quest-NP is non-ionic soil release polyester for household and industrial products. It improves the removal of oily or fatty stains from fabrics during subsequent washing. It prevents the soil from adhering to the fibers. It can be used in washing powders and liquid detergents for household and industrial products. It can be incorporated in all-purpose cleaners	1. 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.	Polyester polymer composite in dispersion	Non-ionic
274	272	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
275	273	QUEST-PES	properties to 100% polyester, nylon & its blends under a variety of application conditions. It may be applied before, during or after dyeing. It may be used with disperse & cationic dyes or combination thereof.	1. Increased wearer comfort: By creating a special hydrophilic surface on the polyester fabric. 2. Antistatic effect: It minimizes the build-up of irritating static charges in the fabric and therefore eliminates the undesirable "clinging" problem often encountered in polyester garments. This antistatic protection also reduces the pick-up of air-borne dust and therefore reduces the cleaning effort. Garments come clean with the mildest wash and do not need expensive detergents	Polymeric Hydrophilic	Non-ionic
276	274	SANIGUARD-1000	Saniguard-1000 is an advanced non-toxic oligomeric antimicrobial for industrial & consumer products. Saniguard-1000 is poly(trihydroxystyl)propyl-dimethyloctadecyl Quat, with excellent Anti-Bacterial, Anti-Viral, Anti-Fungal, Anti-Mold, Anti-Yeast, Anti-Spores & Anti-Biofilm properties. Saniguard-1000 a broad spectrum, non-leaching, non-migrating, non-toxic, durable antimicrobial	1. Thermally stable. 2. Saniguard-1000 has been proven to be non-toxic, to contain no carcinogens, terrogens, mutagens or reproductive toxins. 3. Active kills instantly by disrupting the cell membrane, eliminating any possibility of mutation, adaptation or resistance; fast acting. 4. Can be used in a wide variety of materials. 5. Broad kill range. 6. Contains no VOC's, heavy metals such as arsenic, or polychlorinated phenols.	Silsesquioxane Quat	Cationic
277						

	A	B	C	D	E	F
275	275	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
276	276	SANIGUARD-7500-70	Saniguard-7500-70 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
277	277	SANIGUARD-7500-72	Saniguard-7500-72 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
278	278	SANIGUARD-9000	Saniguard-9000 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
279	279	SANIGUARD-ECO	Saniguard-ECO is a solvent free non-leaching anti-microbial agent for durable hygienic finishing of cellulose, synthetics and their blends. It is effective against broad spectrum of pathogenic microbes. Treated fabric substrates complies with AATCC 100, JS I. 1902 test methods	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).	quat ammonium compound	Cationic
280	280	SANIGUARD-EPA	Saniguard-EPA is a moth & beetle-proofing agent for the treatment of wool & wool blends, feathers & animal hair.	1. Highly effective against Tineola/Tinea (moths), Anthrenus (carpet beetle), Attagrus (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 <sup>1</sup> , GuT and Wools of New Zealand <sup>1</sup> . 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
281	281	SANIGUARD-ICU	Saniguard-ICU 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 for fibers & fabrics. It provides hygienic freshness. It resists odors through chemical protection	0 It is a water-based, contains no harsh solvents. Non-flammable. 1. Bleach-free & alcohol-free. Will not leach or wash off once applied. 2. It can be used on almost any surface and are tailored for consumer packaged goods and remediation as effective, user-friendly, end-use products. 3. It is effective against gram positive and gram-negative bacteria, fungi, viruses, Mold, algae & yeasts. Thus provides broad spectrum microbial inhibition on treated fabrics. 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 is successfully used on all class of substrates i.e. Textiles, Plastics, Metal, Rubber, Ceramics, Paper, Wood, Glass, Paints, Resin, Concrete, Cement Surfaces, GROUT, Porcelain, Synthetic Polymers, furniture, cushions, umbrella, etc. It is one-step disinfectants and antimicrobial cleaners for hospitals, schools and homes.	Silane quat ammonium compound	Cationic
282	282	SANIGUARD-KC	Saniguard-KC is used as an antiseptic, bactericidal /microbicidal and spermicide. This product is a nitrogenous cationic surface-acting agent belonging to the quaternary ammonium group. Saniguard-KC is a mixture of various alkyl chain lengths. The greatest bactericidal activity is associated with the C12-C14 alkyl derivatives.	1. It is one of the safest synthetic biocides known, and has a long history of efficacious use. Applications are extremely wide ranging, from disinfectant formulations to microbial corrosion inhibition in the oilfield sector. It has long deemed safe for human use, and is widely used in eyewashes, hand and face washes, mouthwashes, spermicidal creams, and in various other cleaners, sanitizers, and disinfectants. 2. The mechanism of bactericidal/microbicidal action is thought to be due to disruption of intermolecular interactions. This can cause dissociation of cellular membrane bilayers, which compromises cellular permeability controls and induces leakage of cellular contents.	Quaternary ammonium compound	Cationic
283	283	SANIGUARD-MIC	Saniguard-MIC is a concentrated, durable antimicrobial and anti-enveloped virus (includes Novel Coronavirus - COVID-19) finish especially formulated for use in the textile industry.	1. Will not affect color. 2. Kills enveloped viruses such as flu virus, feline corona virus, H1N1 virus on rigid-flexible surfaces. 3. No effect upon wash fastness. 4. Safe and hygienic 5. Controls a broad spectrum of Gram Positive and Gram Negative microorganisms. 6. Preserves fabric to a Hygienic Standard. 7. Will prevent discoloration due to microbial attack.	Quat derivative compound	Cationic
284	284	SANIGUARD-N-AG	Saniguard-N-AG is a pure metallic silver based durable, non-leaching antimicrobial, designed to meet the finishing needs for customers requiring anti-microbial performance durable to multiple cycles of laundering. It is a preferred, safe and natural way to odor free and pathogen free textiles	1. A pure, metallic silver in pure deionized water. 2. Particle's large surface area allows optimum contact with textile, making it highly effective at deactivating bacteria and other microbes. 3. Effectively hooks onto textiles for extended durability wash after wash, estimated for lifetime of garment. 4. Non-leaching, remains intact on treated textile and works where needed to protect garment or textile. 5. Long lasting performance with minimal amount of silver loading. 6. Easy to apply, works invisibly without changing the look or feel of textiles. Safe on skin, safe on textiles, safe for the environment. 7. Easily applied through standard finishing processes- Exhaust, Padding, Spray, Moulding, coating processes. 8. Does not affect color or handle; Whites remain white.	Pure metallic silver	Weakly cationic/ Non ionic

	A	B	C	D	E	F
288	285	SANIGUARD-ZP	Saniguard-ZP is used as a hygienic finish for textile protection against house dust mites, mildew and rotting. It has highly efficient anti-microbial & anti-fungal properties.	1. Material protection: The development of mold stains is thoroughly stopped. Combination with a hydrophobic agent can achieve rot-resistance. 2. Durability: Microbial damage on the fibers is prevented and their functional properties preserved; the useful life of a consumer article is considerably longer. 3. Treated textiles are protected from unpleasant odors and offer greater comfort. 4. Broad spectrum of antimicrobial activity against mildew, yeast, bacteria as well as an excellent effect against MRSA. 5. Good thermal and chemical stability. 6. Suitable for all substrates and good compatibility with numerous textile chemicals (fluorocarbons, binders, softeners, etc.) 7. Water-based, solvent-free formula without AOX and dermatologically safe. 8. Application in exhaust, padding and in the dye bath.	Pyrrithione derivative	Weakly Anionic / Non-ionic
289	286	STABILITE-F	Stabilite-F is designed for light fastness and UPF (Ultra Violet Protection Factor) improving agent for polyester, cationic dyeable polyester and polyester blended fabrics, especially like home textile and automotive interior materials and sports wears which require high lightfastness or special care under strong sunlight exposure	1. Excellent Improvement for Light Fastness: - High temperature duration with less discoloration. 2. Less Fiber Strength Loss after Photo-Decomposition: - Improve fiber strength stability and durability. 3. High Exhaustion Capability: - Full exhaustion after high temperature dyeing. 4. Low Foaming Performance: - Suitable for Jet or yarn dyeing.	Benzotriazone derivative	Anionic
290	287	STABILITE-SLP-NEW	Stabilite-SLP-NEW is a highly efficient UV absorber to process polyester textile goods selected for the automotive industry	8 Improves the hot lightfastness of polyester dyeing's with disperse dyes for the automotive industry which already have good lightfastness. 8 Reduces fiber damage due to photochemical degradation. 1. It has a very good dispersion stability and is therefore particularly suitable for exhaust dyeing. 2. It has little self-color and therefore has virtually no influence on the shade of dyeing's. 3. Improves the light fastness of disperse dyes in general. 4. Improves the light fastness of dispersed dyes submitted to the test of the automotive industry	Benzotriazol derivative	Anionic
291	288	STABILITE-UPF-C	Stabilite-UPF-C is a textile finishing agent which enhances color fastness to light & perspiration for Cellulosic dyed with reactive, Sulphur & direct dyes.	1. Treated fabric exhibits excellent ultraviolet absorbing properties durable to washing resulting in improved UPF/SPF ratings on cellulosic fabrics 2. It has little self-color and therefore has virtually no influence on the shade of dyeing's.	Benzotriazol derivative	Non-ionic
292	289	SYLAST-729	Sylast-729 is a softening agent to improve sewability of open-end yarns	1. For cellulosic, wool and blends of these fibers with synthetics. 2. Improves sewability, especially of open-end yarns 3. Improves the elasticity of knitted fabrics 4. Extremely smooth, silky handle 5. Suitable for Jet application 6. Low foaming	Polyethylene emulsion	Cationic
293	290	SYLAST-ACA	Sylast-ACA is a dispersing and leveling agent for disperse dyes. It is also suitable for stripping polyester dyeing's.	1. It is suitable for stripping polyester dyeing's. 2. Helps in removing unfixed or loose dyestuff and does not loose re-deposition of the dyestuffs.	Polyoxyethylene ether ester	Non-ionic
294	291	SYLAST-GT	Sylast-GT is a cationic softener/lubricant for yarns made of CO, WO, PAC and their blends and wool tops. It is used in all kinds of dyeing machines, backwashing machine and paddler, Denim-rebeaming process.	1. Very soft and smooth hand feeling 2. No tendency to yellowing at normal drying-/or curing temperatures. 3. Improves sewability properties. 4. Excellent antistatic behavior. 5. High substantivity, can be used for exhaust method. 6. AEEA-free.	Dispersion of hydrocarbons & fat derivatives	Cationic
295	292	SYLAST-YLE	Sylast-YLE is a specialty product for yarn lubrication. It increases the tear strength and abrasion resistance of fabrics treated with resins	1. It is an excellent lubricant for yarns applied by a bath exhaustion process after dyeing. 2. It has an affinity to fibers & can be used for yarns having been submitted to cationic after treatment. Even in these cases a water clear exhaustion can be achieved. 3. Provides yarns with optimal gliding properties which is achieved by carefully selected waxes. 4. Yarns treated with it have a low friction coefficient.	Polyethylene dispersion	Weakly cationic
296	293	SYLAST-YPM	Sylast-YPM is a combination of softeners & smoothing agents. Its range of application extends from top back-washing or dyeing machine to yarn & piece good finishing. It reduces fiber-to-fiber & fiber-to-metal friction. Avoid sewing damage to tailored goods. Softener for re-beaming of indigo dyed yarns.	1. Imparts soft handle & results in distinct reduction in fiber-to-fiber & fiber-to-metal friction. 2. It improves the running properties when used as a finish for tops, weaving yarns & embroidery yarns. 3. When used for piece good finishing, it imparts a good feel & improves processing properties & helps to avoid sewing damage to tailored goods. 4. Improves sewability of knitwear. 5. Softener for re-beaming of denim. High rebeaming speed.	Polyethylene based emulsion	Cationic
297	294	TRIPLEX-936	Triplex-936 is a unique performance chemical designed for achieving 3D special fashion effects on all class of cotton rich garments i.e. shirting, bottom weights, denims etc.	1. Sharp 3D effects, durable to washings. 2. Improves strength after resin process. 3. Improves rub fastness of indigo dyed & sulphur dyed denims	Vinyl derivative	Non-ionic
298	295	TRISTAR-F	Tristar-F is a non-formaldehyde based crosslinking agent. Gives excellent wrinkle resistance on cotton & its blends.	1. Gives excellent wrinkle recovery. 2. Formaldehyde free. 3. Applicable on cotton & its blend with synthetics. 4. No effect on tensile strength, tear strength, whiteness index.	Acrylic crosslinking agent	Cationic / Non-ionic
299	296	TRISTAR-L-112	Tristar-L-112 is a cross linker for the low formaldehyde easy care finishing of textile materials composed of cellulosic fibres and its blends with synthetic fibres.	1. Very good stability to hydrolysis. 2. Easy care finishing of woven and knitted fabrics composed of cellulosic fibres, viscose, alone and in blends with synthetics. 3. The finishing effects have good fastness to washing and dry cleaning.	Modified dimethylol dihydroxyethylene urea	Cationic
300	297	TRISTAR-NF	Tristar-NF is a cross-linker for the formaldehyde-free, easy-care finishing of textiles composed of cellulosic fibers and their blends with synthetic fibers.	1. Embossed, schreiner and chintz finishes. 2. Formaldehyde free 3. Very soft handle. Good wash-and-wear effects. 54 Good wet & dry crease recovery angle. 5. Less loss of strength compared to resin containing formaldehyde. 6. Very good stability to chlorine in washing treatments.	Cyclic urea derivative in water	Nonionic to weakly cationic
301	298	ULTRA-CAS	Ultra-CAS is a cationic antipil & antislip agent produced by an instu reaction which results in stable nano dispersion. It imparts excellent antipil, antipil and antismag characteristics to all fabric substrates i.e. synthetics, cellulosic's and their blends	1. Treated fabric imparts excellent antipil, antislip and antismag properties. 2. It has an excellent antistatic effect on polyester fabric. 3. Treated fabric imparts naturally soft hand without any harshness. 4. Does not affect color fastness and rub fastness properties of the fabric	Pyrogenic silica sol	Cationic
302	299	ULTRAPRESH-MG	Ultrafresh-MG is a powder bleaching composition for fading and other special effect on cellulosic fabric. It is non-aqueous system designed to produce washed out look.	1. Used for finishes on denim such as French Frost, ice wash, white wash, snow wash and acid wash. 2. Also used to achieve a 'worn' appearance on light weight garments like fleece and T-shirts. 3. Can be used at different dosages to obtain many finishes. 4. Gives very good ocean wash effect on corduroy fabric. 5. It is non-aqueous method for fading a previously dyed denim fabric. 6. When used suitably it can achieve the following effects: - Cracked look - Ice look - Bright white look - Black sky look	Semectite clay & alkali metal salt	Non-ionic
303	300	ALLENOL-738	Allenol-738 is a wetting agent, detergent for bleach bath additives for batch wise pretreatment and continuous immersion processes. APEO free. For scouring of wool	8 Good enzyme compatibility.!! Good wetting properties, detergent, cleansing effect. High stability to oxidation and reduction bleaches. 2. Very good stability to alkali and acid. Good stability in hard water. 3. Good emulsifying properties for knitting and weaving lubricants, oils and waxes. 4. Good soil-suspending and anti-redeposition properties. 5. High stability of product and application liquors. No risk of precipitation in equipment with vigorous liquor circulation. 6. Enzymatic desizing.	Based on ethoxylates	Non-ionic
304	301	ALLENOL-ANF	Allenol-ANF is a synthetic detergent possessing powerful wetting and detergent properties.	1. It can be used for scouring of all textile materials in view of its outstanding wetting /detergent action. 2. It is ideal for the "soaping" of dyed goods. 3. It is most suitable for pre-wetting of grey textiles prior to dyeing.	Emulsion of modified amino siloxane	Anionic

	A	B	C	D	E	F
	302	ALLENOL-COD	Allenol-COD is an ecological bleaching compound for cotton and its blends with low COD & BOD values. Excellent emulsifying of mineral and silicone oils.	1. Ecological and sustainable bleaching compound low COD and BOD values. 2. Well balanced stabilizing of discontinuous hydrogen peroxide-bleaching processes. 3. Very high degree of whiteness. 4. Low foaming, suitable for jets and continuous systems with high liquor turbulence. 5. Oil adsorbing effects caused by natural micro particles. 6. Excellent emulsifying of mineral and silicone oils. 7. Acts as crease inhibitor, offers a smooth and soft touch of goods doable, not gelling and thixotropic.	Fatty alcohol ethoxylated	Non-ionic
305	303	ALLENOL-EHC	Allenol-EHC is an anionic, non-foaming wetting agent for continuous and discontinuous dyeing of cellulosic fibers and their blends with synthetic fibers.	1. It has as excellent wetting properties and facilitates penetration of difficult to penetrate cotton grey goods. 2. Can be applied in all neutral, acid and alkaline dye liquors in exhaust & continuous processes. 3. No retarding effect on reactive, vat, Sulphur or direct dyes and does not impair their solubility. 4. Prevents vat skinning and smears when dyeing with vat and Sulphur dyes. 5. Is non-foaming under all pH conditions & silicone-free.	Aliphatic ester	Anionic
306	304	ALLENOL-FLR	Allenol-FLR is a foam-generation auxiliary for foam-coating formulations and thermo-degradable wetting agent for use various finishes.	1. It has excellent thermal degradability. The wetting agent completely volatilizes during drying and curing without affecting the inherent absorbency or repellency characteristics of substrate. 2. Possesses good foam-producing properties and is an efficient foam-generator in the preparation of coating formulation in foam-coating equipment. 3. Stable foam is generated with product & when applied by coating on denim during bleaching with potassium permanganate & hypochlorite gives various bleaching effect or wave or ripple surface type effect	Specialty surfactant	Non-ionic
307	305	ALLENOL-JET-B	Allenol-JET-B is a high performance, low-foaming detergent, designed for scouring & bleaching of cotton and synthetic fibres in machines of high liquor turbulence, e.g. Jet, Overflow & Package dyeing machines.	1. Smoother running of ropes, less flotation, leading to fewer tangles and more efficient pump performance. 2. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites. 3. Improved reproducibility, "well prepared is half-dyed". 4. Cost savings by improved overall dye processing. 5. Fewer spots and stains on finished goods. 6. Cost savings possible by "Minimum - Prepare". 7. Trouble-free liquid dispensing. Low dosages required. 8. Minimized organic pollutant load on dye house effluent. 9. Low foaming character sustained throughout heating, cooling and rinsing cycles.	Ethoxylated fatty alcohols	Non-ionic
308	306	ALLENOL-LFD	Allenol-LFD is a high performance, low-foaming detergent, designed for scouring & bleaching of cotton and synthetic fibres in machines of high liquor turbulence, e.g. Jet, Overflow & Package dyeing machines. Suitable for continuous & discontinuous bleaching range. APEO free.	1. Smoother running of ropes, less flotation, leading to fewer tangles and more efficient pump performance. 2. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites. 3. Improved reproducibility, "well prepared is half-dyed". 4. Cost savings by improved overall dye processing.	Ethoxylated fatty alcohols	Non-ionic
309	307	ALLENOL-LF-ECO	Allenol-LF-ECO is an economical low foaming wetting agent and detergent and bleach bath additives for batch wise pretreatment and continuous immersion processes. APEO free & ecofriendly. Suitable for application in jet machines.	1. Low foaming character sustained throughout heating, cooling and rinsing cycles. 2. Good emulsifying properties for knitting and weaving lubricants, oils and waxes. 3. Good soil-suspending and anti-redeposition properties. 4. High active content. 5. Extremely high primary biodegradability (according to BIAS test) - readily bio eliminable (according to DOC analysis - OECD 301c). 6. Low odor - no unpleasant smell. 7. On suitable substrates and shades, & in particular where self-emulsifiable mineral oil has been used as the knitting lubricant, a short minimum prepare process may be used rather than the traditional pre-scour, with a resultant improvement in productivity.	Based on surfactants	Weakly Anionic / Non-ionic
310	308	ALLENOL-PAC	Allenol-PAC is a low foaming wetting agent and detergent with very good re-wetting action and extremely low foaming, for discontinuous & continuous pretreatment processes on cellulosic and their blends with synthetics. - Enzymatic Desizing - Continuous/Discontinuous bleaching with hydrogen peroxide. - Alkaline Cracking of cellulosic and their blends. - Acid Cracking - Washing-off all kinds of fibers.	1. Very good detergency and emulsifying power. 2. Good wetting properties. 3. Good resistance to oxidative and reductive bleaching agents. 4. Good stability to alkali and acids. 5. Very good compatibility with enzymes. 6. Low foaming. 7. Liquid, pumpable formulation. Miscible with water.	Synergetic preparation of special surfactants	Non-ionic
311	309	ALLENOL-RW	Allenol-RW is a wetting agent and detergent with very good re-wetting action and extremely low foaming, for discontinuous pretreatment processes on cellulosic and their blends with synthetics. -	1. Very good detergency and emulsifying power. 2. Good wetting properties. 3. Good resistance to oxidative and reductive bleaching agents. 4. Good stability to alkali and acids. 5. Very good compatibility with enzymes. 6. Low foaming. 7. Liquid, pumpable formulation. Miscible with water. 8. Removes oily and greasy impurities as well as sizing and soil particles. 9. Results in a good hydrophilicity. 10. Increases safety and reproducibility for subsequent processing stages.	Synergetic preparation of special surfactants	Non-ionic
312	310	ALTRANOL-810	Altranol-810 is a non-ionic surfactant that provides many benefits in a broad range of applications in the Personal Care market. It is a C8-10 fatty alcohol glycoside. It possesses excellent solubility, stability, surface and interfacial activities.	1. Made from 100% natural, renewable, plant-derived feedstocks. 2. Readily biodegradable. 3. Excellent foaming capacity and cleansing properties. 4. Stable even in low pH applications. 5. Gentle and effective - proven mildness. 6. Compatible with various surfactants. 7. Flexible and multi-functional. 8. Free of sulfates, preservatives, and EO. 9. It is used in shower gels, shampoos, baby care & cleansing toothpaste/mouthwash, face cleansing and shower/bath products.	Based on C8-10 alkyl glucoside	Non-ionic
313	311	ALTRANOL-84	Altranol-84 has an excellent wetting power over the wide pH and temperature range. I	1. Very good wetting action. 2. Stable to alkaline and acidic liquors. 3. Stable to metal salts and hard water.	Ethoxylate & blend	Non-ionic
314	312	ALTRANOL-ABA	Altranol-ABA is an effective multifunctional bleaching auxiliary & can effectively replace most of auxiliaries used in the conventional peroxide bleaching process. It is suitable for cotton and its blends. It can be used in various processes, such as vat dyeing and jet overflow dyeing	1. Very simple operating process for scouring and bleaching treatment. 2. It ensures a highly stable hydrogen peroxide reaction without adding other stabilizer. 3. Excellent capillary effect and wetting performance. 4. It impacts well degreasing performance. 5. Excellent solubility and single agent for scouring process can get the most even treated fabric, which ensure a good levelling effect in dyeing process.	Specialty surfactants & phosphonic acid derivative	Anionic
315	313	ALTRANOL-ADW	Altranol-ADW is a synthetic detergent possessing powerful wetting and detergent properties. It is eminently suitable for kier boiling soaping of dyed goods and wetting out of grey textile prior to dyeing	1. It is very efficient as Kier-boiling assistant. 2. It can be used for scouring of all textile materials in view of its outstanding wetting /detergent action. 3. It is ideal for the "soaping" of dyed goods. 4. It is most suitable for pre-wetting of grey textiles prior to dyeing. 5. It can also be used for pasting of dyestuff powders such as vats, azoics, etc. 6. Not suitable for cationic dyes.	Emulsion of modified amino siloxane	Anionic
316	314	ALTRANOL-AT	Altranol-AT is complex non-ionic alkyl polyethylene glycol ether, APEO free with good detergency, excellent soil dispersing efficiency and wetting properties. It has excellent dispersing, suspending and anti-redeposition properties minimizing staining of pocketing and labels and keeping filling whiter.	1. It has good detergency and excellent soil-dispersing capacity. They are mainly used in household, industrial and institutional detergents and cleaners. 2. It performs well in heavy-duty laundry detergents in medium and high temperature ranges. 3. It has an excellent dispersing and anti re-deposition properties, minimizing staining of pocketing and labels and keeping filling whiter. The dispersing properties of Altranol-AT-80 minimize likelihood of agglomeration, scaling and re-deposition of process / solubilized contaminants. 4. It is compatible with - amylase and cellulase enzymes in garment process applications. It can be used as both wetting and dispersing in desize, abrasion and clean up after enzymatic abrasion / bleaching	Complex surfactant alkyl polyethylene glycol ethers	Non-ionic
317	315	ALTRANOL-RSP	Altranol-RSP is an additive for reducing back staining in desizing and cellulase abrasion process. It can be used for both wetting and dispersing in desize, abrasion and clean up, after enzymatic abrasion / bleaching	1. It has an excellent dispersing and anti-re-deposition properties, minimizing staining of pocketing and labels and keeping filling whiter. The dispersing properties of Altranol-RSP minimizes likelihood of agglomeration, scaling and re-deposition of process / solubilized contaminants. 2. It is compatible with B - amylase and cellulase enzymes in garment process applications. It can be used as both wetting and dispersing in desize, abrasion and clean up after enzymatic abrasion / bleaching	Surfactant blends	Non-ionic
318						

	A	B	C	D	E	F
319	316	ALTRANOL-DBC	Altranol-DBC is a precipitation inhibitor, anti-tinting, dispersing & leveling agent for single bath continuous and non continuous dyeing with cationic & anionic dyes	1. Excellent leveling, retarding and compatibilizing agent for acid dyes. 2. Excellent leveling agent for disperse dyes on nylon and / or polyester and also acetate. 3. Excellent anti-precipitant when cationic and anionic dyes are used in the same bath.	Specialty surfactant	Non-ionic at neutral pH, mildly cationic under acidic conditions
320	317	ALTRANOL-DSZL	Altranol-DSZL is an innovative, multi-functional desizing product developed for denim wet processing. Formulated as a combination for desize, lubricant and penetrable chemical. It also serves as a complete package auxiliary for alkaline scouring and bleaching, eliminating the need for multiple products. It can also be used as a physical abrasive to replace DE (diatomaceous earth) and peralite. It is APEO free.	1. Complete, balanced bleaching assistant for single stage bleaching. 2.Functions as combination hydrogen peroxide stabilizer and chelate. 3. Softer hand can be achieved in bleaching by eliminating need for sodium silicate. 4. Achieves excellent levels of whiteness. 5. Formulated for anti-redeposition control. 6.Chelated product for use in hard water. 7. Variations in size formulated require low temperature (30°C) for goods prone to creasing. (BOPC) procedures when polyvinyl alcohol is present. It is effective at a wide range of bath temperature. 8. Low foaming. 9. APEO free & environmentally friendly. 10. Lower BOD and COD results from effluent	Kaolin blend dispersion	Anionic
321	318	ALTRANOL-GEO	Altranol-GEO is a high quality, low foaming stabilizer based on natural minerals, especially for use in the discontinuous bleaching of cotton and cotton blended fabrics	1. Complete, balanced bleaching assistant for single stage bleaching. 2. Excellent stabilizer for hydrogen peroxide. 3. Achieves excellent levels of whiteness. 4. Enables optimum fluidities to be achieved. 5. Good cleansing effect of cotton through special washing mechanism. 6. Inherent lubrication properties, ensure good running of fabric during bleach process. 7. Low foaming. 8. APEO free. 9. Environmentally friendly.	Based on natural minerals	Anionic
322	319	ALTRANOL-GRN	Altranol-GRN is a high performance, low-foaming detergent, designed for scouring & bleaching of cotton and synthetic fibers in machines of high liquor turbulence, e.g. Jet, Overflow & Package dyeing machines	1. Smoother running of ropes, less flotation, leading to fewer tangles and more efficient pump performance. 2. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites. 3. Improved reproducibility, "well prepared is half-dyed". 4. Cost savings by improved overall dye processing. 5. Fewer spots and stains on finished goods. 6. Cost savings possible by "Minimum - Prepare". 7. Trouble-free liquid dispensing. Low dosages required. 8. Minimized organic pollutant load on dye house effluent. 9. Low foaming character sustained throughout heating, cooling and rinsing cycles. 10. Good emulsifying properties for knitting and weaving lubricants, oils and waxes. 11. Good soil-suspending and anti-re-deposition properties. 12. Free flowing liquid form. High active content. 13. Extremely high primary biodegradability (according to BIAS test) - readily bio eliminable (according to DOC analysis - OECD 301c).	Fatty alcohol alkoxylate	Non-ionic
323	320	ALTRANOL-K	Altranol-K is a low foaming padding auxiliary in continuous dyeing and in the pad-jig process with cotton and polyester/cotton blend fabrics. Altranol-K improves the penetration and levelness of the dyeing. It is Ecofriendly and is free from APEO	1. Owing to its low foam development and good wetting action, Altranol-K ensures the rapid desaturation of wound packages dyed in long liquors and thus promotes penetration of the material by the dye liquid 2. A Concentrated anionic rapid wetting and re-wetting agent in liquid form.	Salt of phosphoric acid ester	Anionic
324	321	ALTRANOL-LRW	Altranol-LRW 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. It is a multi-functional auxiliary which assist desizing, stain removal & shrinkage during preparation of regenerated cellulose, 100% PES and its blends by batch wise application and in continuous processing ranges.	1. Is a powerful cleaning agent even at ambient temperatures to remove oily contamination from all substrates, ensuring clear and uniform dyeing's. 2. It is stable to high concentration of alkalis (approx. 40 g/l of sodium hydroxide). 3. Is free from chlorinated solvents and banned/ harmful chemicals.	Based on specialty surfactants	Non-ionic
325	322	ALTRANOL-MRK	Altranol-MRK 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.	Alkoxylated fatty alcohol	Non-ionic
326	323	ALTRANOL-NOVI	Altranol-NOVI is a mineral based, multi-purpose, auxiliary for all discontinuous processes e.g. peroxide bleaching, pre-scouring elastane blends	1. Suitable for all cellulosic fibers and blends of cellulosic and synthetic fibers. 2. Suitable for all kinds of machines e.g. Jets, Winches, Jigs and Package machines. 3. Multipurpose auxiliary showing excellent scouring and bleaching effects. 4. Special washing mechanism resulting in good (silicone) oil elimination and good rewetting effect. 5. Very high degree of whiteness, especially in combination with Optical brightening agents. 6. Positive effects on machine cleaning. 12. Automatically doseable on most dosing installations.	Based on natural minerals	Anionic
327	324	ALTRANOL-NR	Altranol-NR is a wetting cum deaerating agent for the pre-treatment and dyeing of cellulosic fibers and their blends.	® Excellent deaerating properties in yarn cheeses. 1. Stable to alkali up to 30 g/l caustic soda. 2. Phosphate and silicone free, solvent free. 3. Non-foaming. 4. APEO free.	Fatty alcohol polyglycol ether	Non-ionic
328	325	ALTRANOL-NR-60	Altranol-NR-60 is a wetting cum deaerating agent for the pre-treatment and dyeing of cellulosic fibers and their blends.	1. Excellent deaerating properties in yarn cheeses. 2. Stable to alkali up to 30 g/l caustic soda. 3. Phosphate and silicone free, solvent free. 4. Non-foaming. 5. APEO free	Polyglycol ether	Non-ionic
329	326	ALTRANOL-ODB	Altranol-ODB low temperature bleaching agent for cellulosics & its blends	1. Reduced use of thermal energy, effective use of chemicals with corresponding reduction in the load on wastewater and in the operational load on a limited number of experienced workers in particular are of great advantage. 2. In addition, it gives fabric a soft hand without causing damage, and having no machinery corrosion or problems in the operational environment it imparts good water absorbency, resulting from superior, uniform bleaching and scouring, which guarantee level dyeing in the following stage. 3. One bath desize scour of Polyester, cotton & blended fabrics.	Blend of non-ionic and anionic surfactants with oxidative Compounds	Anionic
330	327	ALTRANOL-ODB-RS	Altranol-ODB RS ow temperature bleaching agent for cellulosics & its blends	1. Reduced use of thermal energy, effective use of chemicals with corresponding reduction in the load on wastewater and in the operational load on a limited number of experienced workers in particular are of great advantage. 2. In addition, it gives fabric a soft hand without causing damage, and having no machinery corrosion or problems in the operational environment it imparts good water absorbency, resulting from superior, uniform bleaching and scouring, which guarantee level dyeing in the following stage	Blend of non-ionic and anionic surfactants with oxidative Compounds	Anionic
331	328	ALTRANOL-OR	Altranol-OR is a dispersing agent for prevention of oligomer deposits. It is used at various stages in polyester production and processing for the removal of oligomer deposits.	1. It has an excellent dispersing effect on oligomers in acidic polyester dye baths. 2. Prevents filtration of oligomers in yarn packages. 3. Prevents oligomer deposits on machine parts. 4. Improves running properties of yarn for further processing steps. 5. No influence in shade.	Blend of specialty surfactants	Anionic
332	329	ALTRANOL-PV	Altranol-PV is an excellent dye complexing agent aid where over dyed shades on yarn or piece goods have to be reduced in depth while still maintaining the general shade of the character of the original dyeing. It functions as a stripping agent for dyeing's obtained with vat, sulphur, reactive and direct dyes. It is an excellent fulling and scouring agent for wool.	1. A stripping agent for dyeing's obtained with vat, sulphur, reactive and direct dyes. 2. For lightening the shade of dyeing's and prints produced with direct dyes. 3. To prevent the ground from being stained when prints produced with direct and reactive dyes are washed off. 4. A leveling agent in dyeing with vat and direct dyes. 5. Color regain in over bleached denim. 6. Prevents back staining during different processing stages of Denim Garments. 7. A fulling and scouring agent for wool. Helps to prevent the staining of white or pastel grounds in multi-color fabrics i.e. wool plaids, checks and stripes. Scavenger for loose color and residual soil (i.e. removed during scouring operation) & prevents re-deposition on the fabric	Cationic polymer	Weakly cationic

	A	B	C	D	E	F
330	330	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
333	331	ALTRANOL-SAS	Altranol-SAS is an anionic surfactant, based on secondary alkane sulphonate sodium salt. It is an environmentally friendly surfactant for detergents, chemical-technical and cosmetic industries.	1.Dishwashing liquids: Standard dishwashing liquids & concentrates 2. Laundry detergents: Liquid detergents, detergent powders and pastes. 3. Household cleaners: All-purpose cleaners / Liquid metal / ceramic cleaner / Sanitary cleaners / Floor cleaners. 4.Cosmetic hair and body care products: Shampoos / Shower gels / Foam baths /Liquid soaps / Toothpastes. 5. Industrial cleaners: Automotive cleaners / Metal degreasing agents / Alkaline rust removers / Hand cleaners.	Alkane sulphonate sodium salt	Anionic
334	332	ALTRANOL-SCS	Altranol-SCS provides excellent lather, thickening and conditioning properties. It is also an excellent replacement for most anionic surfactants in personal cleansing products	1. Naturally derived. 2. Cleansing agent. 3. Disperses easily in water. 4. Excellent thickening properties. 5. Denser and creamier foam.	Sodium coco sulphate	Anionic
335	333	ALTRANOL-SW	Altranol-SW is an eco-friendly desizing cum scouring agent for cotton and its blends. Helps low temperature bleaching	1. No need for separate enzyme / oxidative / acid desizing. 2. Excellent removal of starch, impurities and short fibers. 3. Good absorption. Increased whiteness. 4. Softer feel and better fabric strength. 5. Better dyeing and printing results. 6. Lower dosage level gives lower BOD, COD value in processed water. 7. Better and consistent dyeing / printing results. 8. Substantial reduction in reprocessing. 9. Eliminates the time, energy and water of desizing step. 10. 20% reduction in sodium hypo bleach and hydrogen peroxide	Blend of surfactants	Anionic
336	334	ALTRANOL-XNI	Altranol-XNI is a versatile product for one bath scouring & bleaching of cotton woven & hosiery fabric, scouring aid for wool & specialty for combined scouring & dyeing polyester fibers, yarn and fabric	1. It is a specially developed auxiliary for pretreatment of textiles. 2. It has effective, degreasing, wetting, stain removal & detergency action giving a very clean fiber/fabric. 3. It also serves as a machine cleaning agent	Ethylene oxide condensation products with non-chlorinated solvents	Crypto anionic
337	335	ALTRANOL-ZBS	Altranol-ZBS is weakly anionic polycarboxylic acid copolymer. It is designed as an anti-redeposition, dispersing and suspending additive in standard garment wash processes	1. It provides superior soil release properties to polyester and polyester/cotton fabrics. 2. It minimizes staining of pocketing and labels and keeping filling whiter. 3. It is enzyme compatible and used as a back stain preventing agent for denims and garment processing	Polycarboxylic acid copolymer	Weakly anionic
338	336	ALTRAPLEX-1097	Altraplex-1097 is a Washing off or soaping agent for reactive dyed fabrics. It is a dispersant and protective colloid with binding properties for calcium, magnesium and heavy metal ions, for use in dyeing cellulosic fibers and their blends	1. Action based on dispersing and calcium/magnesium-inactivating properties: - Disperses sparingly soluble calcium and magnesium salts. Inactivates calcium and magnesium ions present in hard water and on cotton. 2. Dispersing properties: - Disperses the sparingly soluble salts that are formed from calcium and magnesium (e.g. calcium carbonate) and precipitated dyes and hardness ions. Improves dyebath stability Promotes the best possible conditions for level dyeing's. 3. Binds heavy metal ions in water: - Binding with dyes sensitive to iron and/or copper. 5. Improves dye solubility: - Prevents dye agglomeration induced by hard water or salt additions. 6. No de-metalization of dyes:- No shade change or impaired light fastness.	Mixture of addition complexing agent & polymers	Anionic
339	337	ALTRAPLEX-12S	Altraplex-12S is used as additives for low-phosphate and phosphate-free detergents. They inhibit incrustation and redeposition and boost detergency. They are also employed as dispersing agents for organic and inorganic solids in water-treatment processes, etc	1. It is particularly effective for inhibiting scale formed by calcium and magnesium salts. 2. It is mainly used in institutional laundry detergents that contain high proportions of sodium carbonate. 3. It is also used to disperse pigments, fillers and other finely divided inorganic solids in water and in cooling circuits, etc.	Modified polyacrylic acid	Anionic
340	338	ALTRAPLEX-540	Altraplex-540 is an organic sequestrant with excellent chelating action on calcium, magnesium, iron and copper for the treatment of hard water and heavy metal ions over a wide range of pH and temperature in preparation, coloration and finishing processes.	1. Possesses high hydrolytic stability and maintains its sequestering activity across a wide pH range. 2. Has good deflocculating property and dispersing action on suspended solids. 3. Improves brightness in cottons during scouring and bleaching and in washing of coloured fabrics. 4.Eliminates tendency of salt precipitation during print-paste preparations. 5. Acts as an efficient peroxide stabilizer in bleach liquor and prevents occurrence of pin-holes in cotton fabrics.	Based on organic acid salts	Anionic
341	339	ALTRAPLEX-AR	Altraplex-AR is used as a protection against stains caused by metal parts when dyeing garments	1. Addition of it into the dyeing bath the risk of soiling by the metal parts (like metal buttons, zip fasteners and rivets) or shade changes can be almost eliminated. 2. It prevents contaminations of the metal surface (many common types of alloys) when dyeing or re-dyeing garments. 3. It neither influences the fastness's nor the handle.	Alkanol ester	Slightly anionic
342	340	ALTRAPLEX-CA	Altraplex-CA is an organo phosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient. Because of the combination of these properties it has a wide range of applications. One of the most important applications is in scale prevention and corrosion inhibition in water treatment.	1. Chelates Calcium, magnesium other metallic impurities. 2. It softens water. 3. Removes hardness formers, avoids salt deposits prevents catalytic damage by heavy metal ions, prevents precipitations of hydroxides or earth alkali silicates in the bleach liquor. 4. Imparts distinct brightening effect during boiling off or bleaching. 5. Prevent deposits of hydroxides and silicates, in the fiber and machines thereby reducing scaling.	Organophosphonate	Anionic
343	341	ALTRAPLEX-CI	Altraplex-CI is a corrosion inhibitor and passive inhibitor for water systems	1. Generally used as passive and corrosive inhibitor of metal structures when water systems are used. 2. Dyeing of ready-made garments with metal buttons and/or zips, protects accessories- especially the copper ones- from the chemical attack caused by the operative conditions, preventing stain formation due to metal accessories. 3. Does not alter dyes features; in any case preventive tests are recommended.	Corrosion inhibiting agent, phosphoric acid derivative	Non-ionic
344	342	ALTRAPLEX-DCA	Altraplex-DCA is an efficient multifunctional agent with the functions of a dispersant, protective colloid, soaping agent, complexing agent and a chelating agent for all stages in dyeing of textile made from cellulosic and blends	1. It exhibits excellent dispersing effect on raw cotton impurities (Waxes & Pectinates) and on the precipitates caused due to hard water. 2. It also has moderate chelating effect on metal ions. Consequently Altraplex-DCA eliminates the adverse effect of Calcium and Mg++ ions on the solubility of anionic dyes & their affinity to cellulosic. 3. It helps to remove the loose dyes and possible heavy metals from the fabrics, thus giving better wet fastnesses and higher quality fabrics. 4. It prevents the hydrolyzed reactive dyes from forming calcium salts, which are difficult to wash out, in hard water. 5. It does not affect the shade or the fastness of textiles dyed with reactive or direct dyes that contain metals, because its complexing capacity is insufficient for it to be able to complex the metals contained in metal-complex dyes.	Acrylic copolymer	Anionic
345	343	ALTRAPLEX-DEX	Altraplex-DEX is an efficient dispersant (protective colloid) and chelating agent for all stages in dyeing of textiles made from cellulosic and blends.	1. It exhibits excellent dispersing effect on raw cotton impurities (Waxes & Pectinates) and on the precipitates caused due to hard water. 2. It also has moderate chelating effect on metal ions. Consequently Altraplex-DEX eliminates the adverse effect of Calcium and Mg++ ions on the solubility of anionic dyes & their affinity to cellulosic. 3. Has limited chelating potential insufficient to remove metal ions from metal complex dyes hence it does not impair the shade & fastness properties of dyeing obtained with reactive and direct, metal complex dyes. 4. Is non-foaming with no affinity to anionic dyes.	Acrylic acid - Maleic acid copolymer	Anionic
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	A	B	C	D	E	F
347	344	ALTRAPLEX-GBC	Altraplex-GBC is developed as an efficient dispersant (protective colloid) and chelating agent for all stages in wet processing & dyeing of textile made from cellulosic and its blends. It is a sugar acrylate polymer with excellent biodegradability.	1. It exhibits excellent dispersing effect on raw cotton impurities (Waxes & Pectinates) and on the precipitates caused due to hard water. Dispersing of the sequestered ions from the fibers & hardness of water. 2. It exhibits high chelation of Calcium & Magnesium ions present in hard water. It eliminates the adverse effect of Calcium and Mg++ ions on the solubility of anionic dyes & their affinity to cellulosic. 3. Has limited chelating potential insufficient to remove metal ions from metal complex dyes hence it does not impair the shade & fastness properties of dyeing obtained with reactive and direct, metal complex dyes. 4. It is employed in dyeing processes to improve solubility and dispersion of dyestuffs. They will prevent aggregate formation which cause un-levelness on fabrics. 5. Is non-foaming with no affinity to anionic dyes. 6. It has ability to disperse & prevent agglomeration of dyestuffs during the dyeing operation. 7. It increases solubility of precipitating salts by threshold effect i.e. adsorption on small seeds of precipitates & prevents their growth and agglomeration. This reduces precipitation & scale formation of inorganic salts along with hardness causing ions which could otherwise deposit on fabrics in the rinse bath. 8. It ensures consistent results in dyeing of reactive dyes & increases the color yield in hard water	Sugar acrylate polymer	Anionic
348	345	ALTRAPLEX-HPST	Altraplex-HPST is an organic stabilizer for alkaline hydrogen peroxide bleaching along with sequestering/chelating properties. It is a stabilizer for use in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process.	1. Suitable for cellulosic fibers and their blends with synthetic fibers. 2. Suitable for all processes. 3. Primarily for cold pad-batch peroxide extraction bleaching. 4. Extremely suitable for silicate free pad-steam bleaching. 5. Extremely high iron bonding power. 6. EDTA free. 7. Good sequestering properties.	Blend of organic sequestering agents	Anionic
349	346	ALTRAPLEX-HTS	Altraplex-HTS is an efficient sequestering agent for calcium, magnesium and heavy metal which retains its effective performance at high temperatures and also in the presence of high concentrations of electrolyte and alkali	1. Eliminates calcium and magnesium powdery precipitates or lime-soap deposits on the textile goods and prevents build-up of insoluble scale on machinery. 2. Water absorbency, softness and winding properties of yarn are improved. 3. Dyeing is brighter, whites are whiter 4. It aids reproducibility by ensuring uniform preparation and by preventing shade change with dyes sensitive to metal impurities 5. May be used at all stages of textile processing, in scouring, bleaching, dyeing, printing or finishing. 6. Threshold effect: It exhibits a "threshold effect" to maintain clarity in super saturated solutions of CaCO3, CaSO4, BaSO4, Fe(OH)3 etc., with very small concentrations of sequestering agent	Polycarboxylic acid	Anionic
350	347	ALTRAPLEX-LA	Altraplex-LA is a liquid alkali for fiber reactive dyeing, i.e. soda ash replacement during reactive dyeing. It can be easily diluted with water in all proportions. It offers ease of handling and economy over solid products such as trisodium phosphate or soda ash.	1. Convenience- liquid vs. solid. 2. Reduced dyestuff hydrolysis. 3. Cleaner, brighter shades. 4. Dissolves in cold water. No CV logged drains. The problem of dissolving and cooling the solution of solid products is also eliminated. 5. Easier to rinse. Improved color yield. 6. Bag disposal is eliminated as is the problem of torn bags, loss of material and dusting. 7. Less load on effluent & less Total dissolved solids	Buffered alkalis	Nonionic
351	348	ALTRAPLEX-LTS	Altraplex-LTS is a multifunctional soaping agent which works at temperature from 60 - 98°C. It gives Optimal soaping result, independent of hardness degree and salt content.	1. Soaping at 60 - 70°C. 2. Optimal soaping result, independent of hardness degree and salt content. 3. Saving of water and energy effectiveness by shorter processing time. 4. Antiback staining. 5. Optimization potential depends on applied reactive system. 6. Ecofriendly.	Vinyl Co-Polymer	Anionic
352	349	ALTRAPLEX-NV	Altraplex-NV is a pH buffer for neutralizing alkaline finishing processes. Core alkali neutralizer	1. Is used for neutralizing of finishing processes. 2. Guarantees for a neutral to weakly acid pH value on the fabric. 3. The application of Altraplex-NV for neutralization compensates for a pH change on the fabric through the industrial water. 4. The pH value of fabric treated with Altraplex-NV does not change if stored or dwelled for a long time. 5. Prevents fiber damages in comparison to mineral acids. 6. Is not volatile and therefore causes no corrosion to the stenter or other machines. 7. It is odorless compare to formic acid & acetic acid.	Mixture of organic/inorganic buffers	Non-ionic
353	350	ALTRAPLEX-PH	Prior treatment with Altraplex-PH prevents damages occurring during sodium hypochlorite bleach (problem: AOX values) prior to the peroxide bleach through an environment friendly and non toxic protonic treatment.	1. It prohibits catalytical damage to cellulosic fibers or destabilization of peroxide bleaching liquors by coizing metallic particles. 2. Replaces organic acids (formic acid or acetic acid) for neutralization of core alkali post scouring / peroxide bleaching. 3. Not completely volatile during drying, thus preventing core - alkali migration. 4. Demineralizes cotton, remove difficult to eliminate pigments. 5. Exhibit pH specific function. In alkaline region Altraplex-PH liquor function as a buffer or sequestering or peroxide stabilizing agent.	Based on organic acids	Anionic
354	351	ALTRAPLEX-R	Altraplex-R improves vat and sulfur dye oxidation. It oxidizes dyestuffs in an acid bath at high temperatures for more effective dye fixation, without the necessity of elaborate controls. It can replace any present vat and sulfur dye oxidation system on continuous ranges.	1. Improved Dye Value - it results in complete and efficient oxidation and may provide an increase of shade depth. 2. Quality - dyed fabric has an improved absorbency and hand when compared with fabrics that were dyed using dichromate for oxidation. 3. Versatility - can replace any present vat or sulfur dye oxidant on continuous ranges. 4. Stability - At elevated temperatures, the concentration of Altraplex-R remains constant, even in the presence of copper sulfate. 5. Environmental - is an effective replacement for heavy metal dye oxidants. It was developed to fill the need for an oxidizing chemical that would not materially affect plant effluents. 6. Safety - It is reasonably safe to use when handled with care. Its use can result in safer operating conditions when it replaces dye oxidants that are considered dangerous to handle.	Special oxidizing agent & surfactants	Nonionic
355	352	ALTRAPLEX-RS	Altraplex RS is a stable inorganic mild oxidizing agent for disperse dye high temperature steaming.	1. It is recommended for use in all print pastes which may be alkaline, containing dyes sensitive to reduction action. 2. It can be used for protection of printed reactive colors against reduction fumes during steaming, thus improving the colour depth / brightness	Special oxidizing agent & surfactants	Nonionic
356	353	ALTRAPLEX-SAP	Altraplex-SAP is an efficient dispersant (protective colloid) and chelating agent for all stages in dyeing of textiles made from cellulosics and blends.	1. It exhibits excellent dispersing effect on raw cotton impurities (Waxes & Pectinates) and on the precipitates caused due to hard water. 2. It also has moderate chelating effect on metal ions. Consequently Altraplex-SAP eliminates the adverse effect of Calcium and Mg++ ions on the solubility of anionic dyes & their affinity to cellulosics. 3. Has limited chelating potential insufficient to remove metal ions from metal complex dyes hence it does not impair the shade & fastness properties of dyeing obtained with reactive and direct, metal complex dyes. 4. Is non-foaming with no affinity to anionic dyes.	Acrylic-maleic acid copolymer	Anionic
357	354	ALTRAPLEX-SBA	Altraplex-SBA is an effective multifunctional bleaching auxiliary & can effectively replace most of auxiliaries used in the conventional peroxide bleaching process. It is suitable for cotton and its blends. It can be used in various processes, such as vat dyeing, jet overflow dyeing, pad dyeing etc.	1. Very simple operating process for scouring and bleaching treatment. 2. It ensures a highly stable hydrogen peroxide reaction without adding other stabilizer. 3. Non caustic soda process can protect the fabric strength in the best condition. 4. Excellent capillary effect and wetting performance. 5. It imparts well degreasing performance. 6. Excellent solubility and single agent for scouring process can get the most even treated fabric, which ensure a good levelling effect in dyeing process. 7. If choose resistance-H2O2 direct dyes, scouring-bleaching-dyeing can bath together	Polysurfactant mixture	Nonionic to weakly anionic
358	355	ALTRAPLEX-WAK	Altraplex-WAK is a wetting agent, detergent for bleach bath additives for batch wise pretreatment and continuous immersion processes. APED free. For scouring of wool	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. 8. High stability of product and application liquors. No risk of precipitation in equipment with vigorous liquor circulation. 9. Alkaline kier boiling of cellulosic fibers and their blends. 10. Enzymatic desizing.	Based on ethoxylates	Non-ionic

	A	B	C	D	E	F
356	356	ALTRAPLEX-XCW	Altraplex-XCW is a universal after soaping agent for the removal of reactive dye hydrolyzate or unfixed direct dye from dyeing's on cellulosic material	1. Reduces the number of rinsing and soaping steps required. 2. Removes the hydrolyzate from the material. 3. Retains hydrolyzate in the liquor and prevents their re-deposition on the material. 4. The action is virtually independent of pH, independent of salt concentration. 5. Enables the possibility of reducing after soaping temperatures for temperature sensitive substrate blends. 6. Performance not effected by water hardness	Vinyl co-polymer	Weakly anionic
359	357	ALTRAPLEX-ZIP	Altraplex-ZIP is a corrosion inhibitor and passive inhibitor for water systems.	1 Generally used as passive and corrosive inhibitor of metal structures when water systems are used. 2 Dyeing of ready-made garments with metal buttons and/or zips, protects accessories- especially the copper ones- from the chemical attack caused by the operative conditions, preventing stain formation due to metal accessories. 3 Does not alter dyes features; in any case preventive tests are recommended.	Corrosion inhibiting agent, phosphoric acid derivative	Anionic
360	358	ALTRASPERSE-OLE	Altrasperse-OLE is a dispersing agent for prevention of oligomer deposits. It is used at various stages in polyester production and processing for the removal of oligomer deposits.	1. It has an excellent dispersing effect on oligomers in acidic polyester dye baths. 2. Prevents filtration of oligomers in yarn packages. 3. Prevents oligomer deposits on machine parts. 4. Improves running properties of yarn for further processing steps. 5. No influence in shade.	Synthetic (modified) phyllosilicate	Anionic
361	359	ALTRASPERSE-OLG	Altrasperse-OLG is a dispersing agent for prevention of oligomer deposits. It is used at various stages in polyester production and processing for the removal of oligomer deposits.	1. It has an excellent dispersing effect on oligomers in acidic polyester dye baths. 2. Prevents filtration of oligomers in yarn packages. 3. Prevents oligomer deposits on machine parts. 4. Improves running properties of yarn for further processing steps. 5. No influence in shade.	Blend of specialty surfactants	Anionic
362	360	ANTICHOIR-9455	Antichoir-9455 is used as a protection against stains caused by metal parts when dyeing garments	1. Addition of it into the dyeing bath the risk of soiling by the metal parts (like metal buttons, zip fasteners and rivets) or shade changes can be almost eliminated. 2. It prevents contaminations of the metal surface (many common types of alloys) when dyeing or re-dyeing garments. 3. It neither influences the fastness's nor the handle.	Alkanol ester	Slightly anionic
363	361	ANTIFOAM-CRP	Antifoam-CRP is a foam preventative agent for aqueous and non-aqueous industrial processes. It gives excellent performance in a wide range of applications including extreme pH systems.	1. Long-term foam inhibition. 2. Easy dispersion in all foam systems. 3. Easy dispersion in hard water. 4. Long durability in acid and alkaline conditions. 5. No oily spots or lumps when diluted with water. 6. Economical. 7. Easy to use. 8. Effective in extreme pH environments. Caustic recovery plants	Polydimethyl siloxane	Non-ionic
364	362	ANTIFOAM-ECO	Antifoam-ECO is a silicone antifoam of medium viscosity, highly potent antifoam emulsion that offers excellent foam control as well as excellent compatibility in a variety of surfactant concentrates and foaming systems. Compared to common silicone defoamers, it offers exceptional foam knockdown and durability, and greater compatibility in difficult surfactant systems, e.g., such as those rich in solvents and/or electrolytes.	1.High antifoam efficiency in surfactant-rich systems. 2. Rapid foam knockdowns. 3. Excellent foam control at temperatures up to 95°C. 4. Long-term foam inhibition. 5. Easy dispersion in all foam systems. 6. Easy dispersion in hard water. 7. Long durability in acid and alkaline conditions. 8. No oily spots or lumps when diluted with water. 9. Compatibility with a variety of surfactant concentrates.	Polydimethyl siloxane	Non-ionic
365	363	ANTIFOAM-JET	Antifoam-JET is a silicone antifoam of medium viscosity, highly potent antifoam emulsion that offers excellent foam control as well as excellent compatibility in a variety of surfactant concentrates and foaming systems. Compared to common silicone defoamers, it offers exceptional foam knockdown and durability, and greater compatibility in difficult surfactant systems, e.g., such as those rich in solvents and/or electrolytes.	1. High antifoam efficiency in surfactant-rich systems. 2. Rapid foam knockdowns. 3. Excellent foam control at temperatures up to 95°C. 4. Long-term foam inhibition. 5. Easy dispersion in all foam systems. 6. Easy dispersion in hard water. 7. Long durability in acid and alkaline conditions. 8. No oily spots or lumps when diluted with water. 9. Compatibility with a variety of surfactant concentrates	Polydimethyl siloxane	Non-ionic
366	364	ANTIFOAM-TDA	Antifoam-TDA is a silicone antifoam of medium viscosity, highly potent antifoam emulsion that offers excellent foam control as well as excellent compatibility in a variety of surfactant concentrates and foaming systems. Compared to common silicone defoamers, it offers exceptional foam knockdown and durability, and greater compatibility in difficult surfactant systems, e.g., such as those rich in solvents and/or electrolytes. It is used in textile processes, stinging, scouring, printing and finishing. It is used as a de-aerator cum antifoam in extreme conditions such as high temperature, alkali & electrolytes and a wide range of pH	1. High antifoam efficiency in surfactant-rich systems. 2. Rapid foam knockdowns. 3. Excellent foam control at temperatures up to 95°C. 4. Long-term foam inhibition. 5. Easy dispersion in all foam systems. 6. Easy dispersion in hard water. 7. Long durability in acid and alkaline conditions. 8. No oily spots or lumps when diluted with water. 9. Compatibility with a variety of surfactant concentrates.	Polydimethyl siloxane	Non-ionic
367	365	AQUAPLEX-PPB	Aquaplex-PPB is an Acrylate based pigment printing binder for direct, discharge & resist printing. It is a free flowing & self-crosslinking Acrylic Co-polymer emulsion with excellent thermal & mechanical stability	1. Production of prints with brilliant prints & excellent standard of fastness including dry cleaning. 2. Soft & pleasing handle. Good rubbing fastness results. 3. Resistant to wear & abrasion resulting in longer life of fabric. 4. Exhibits non-choking & good re-emulsification properties. 5. Good fabric bonding. 6. Excellent bonding agents for pigment resulting in permanent wash & rub fastness.	Aqueous dispersion of a thermally crosslinkable acrylate copolymer	Anionic
368	366	CATALYST-CLT	Catalyst-CLT is a cross-linking agent for resins in aqueous medium. It improves the washing & dry-cleaning durability of cured films. It is formalin free and improves elastic recovery & shrink resistance.	1. It is used to reduce fixation temperature of resins and water based polymers. 2. It is a crosslinking agent designed to improve the physical characteristics polyacrylics, polyurethane, polyvinyl, SBR lattices. 3. It allows reduction in curing time and temperatures. Lower curing conditions ensure faster production, saving energy costs. 4. Improves the fastness of pigment prints to wet treatments. 5. The addition of Catalyst-CLT increases the possibility of Laundry Air Dry processes and the fabric protection is retained at a good level without subsequent ironing / heat treatment. 6. Brings durable film on the fiber surface without influencing the breathing properties. 9. Formaldehyde free. Environmentally friendly	Aqueous dispersion of a polyurethane based compound	Non-ionic
369	367	DEFOAM-100	Defoam-100 is a 100% active liquid non-silicone based defoamer primarily for use in textile dyeing. It can be used in jets & other dyeing operations, printing, stinging, scouring & coating where foam control is important. Being silicone-free, it will not cause objectionable silicone residual buildup on equipment. Tests indicate that this defoamer has no adverse effect on fabric flammability	1. Effective in many wet processing operations including jet dyeing. 2. Non-silicone based. No silicone flammability. 3. Superior bath stability - no silicone spots. 4. Effective dyebath stability in hard water. 5. Helps keep equipment clean. 6. Eliminate foam build up on cool-down during jet dyeing.	Mineral oil fatty acid derivative	
370	368	DEFOAM-337	Defoam-337 is a 100% active liquid non-silicone based defoamer primarily for use in textile dyeing. It can be used in jets & other dyeing operations, printing, stinging, scouring & coating where foam control is important. Being silicone-free, it will not cause objectionable silicone residual buildup on equipment. Tests indicate that this defoamer has no adverse effect on fabric flammability.	1. Effective in many wet processing operations including jet dyeing. 2. Non-silicone based. No silicone flammability. 3. Superior bath stability - no silicone spots. 4. Effective dyebath stability in hard water. 5. Helps keep equipment clean. 6. Eliminate foam build up on cool-down during jet dyeing.	Mineral oil fatty acid derivative	Nonionic
371	369	DEFOAM-JSA	Defoam-JSA is a 100% active, specially formulated antifoam composition. This product has been developed to impart low-foaming characteristics to clear, high actives, scour surfactant concentrate formulations.	1. High efficiency foam control agent for jet scour applications. 2. Forms clear, stable concentrates if water concentration is less than 15%. 3. Free-rinsing composition, will not cause fabric spotting. It will not separate from non-ionic scour surfactant concentrates that contain less than 15% water. 4. The resulting scour concentrate, when diluted to use concentration, will be low foaming over the entire jet scour cycle. Best of all, Defoam-JSA is free rinsing antifoam and therefore will not cause fabric spotting	Activated silicone antifoam	Nonionic
372	370	DEFOAM-PWB	Silicone based foam control agent for chemical pulp production & textile applications	1. High antifoam efficiency in surfactant-rich systems. 2. Rapid foam knockdowns. 3. - Foam control agent specifically developed to control foam and aid drainage in chemical pulp production. 4. - It is particularly effective in alkaline pulp mill brown stock washing, screening and bleaching processes.	Polydimethyl siloxane	Non-ionic
373	371	Defoam-TBP	Defoam-TBP is a very strong, polar solvent which can be used in the production of plastics, hydraulic fluids, extraction agents and antifoam agent.	1. It is a very strong, aprotic, polar solvent. As such, it is used in the production of solutions of synthetic resins and natural rubber. In both cellulose based plastics and synthetic resins, it is used as a flame-retarding plasticizer. 2. It is employed as a pasting agent for pigment pastes. 3. It is used as an anti-foaming agent in detergent solutions, and in various emulsions, paints, and adhesives. 4. As a very strong wetting agent, it is used in the textile industry and in the field of adhesives. 5. It can also be used as a defoaming agent	Phosphoric acid tri-n-butyl ester	Nonionic
374						



	A	B	C	D	E	F
372	372	EXTRACT-ZT	Extract-ZT is a corrosion inhibitor and passive inhibitor for water systems	1. Generally used as a passive and corrosive inhibitor of metal structures when water systems are used. 2. Dyeing of ready-made garments with metal buttons and/or zips, protects accessories, especially the copper ones from the chemical attack caused by the operative conditions, preventing stain formation due to metal accessories. 3. Does not alter dye features. In any case preventive tests are recommended.	Corrosion inhibiting agent, phosphoric acid derivative	Non-ionic
375	373	NEUTROX-BA	Neutrox-BA is a high performance composition designed for treating fabrics & garments to help restore original color and/or prevent changes in HUE & Tone brought about by accidental contamination by optical brighteners.	1. Unlike conventional UV absorbers Neutrox-BA performs the OBA masking function by forming a complex with OBA thereby preventing reemission in visible spectrum. 2. Rapid quenching of fluorescence in machine, stock preparation equipment & pipe systems considerably shortens the change-over times. 3. Resulting increase in production results in cost benefits which are far greater than the cost of product. 4. Helps correct fabrics/garments with localized OBA patches or stains. 5. Permits complete removal of OBA from treated textiles.	Carboxylic polymer	Cationic
376	374	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. S. 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
377	375	NORAC-ABS	Norac-ABS is weakly anionic polycarboxylic acid copolymer. It is designed as an anti-redeposition, dispersing and suspending additive in standard garment wash processes	1. It minimizes staining of pocketing and labels and keeping filling whiter. 2. It is enzyme compatible and used as a back stain preventing agent for denims and garment processing.	Polycarboxylic acid copolymer	Weakly anionic
378	376	NORAC-BS-LIQ	Norac-BS-LIQ prevents back staining of dyes on the garment and on pocket fabric thereby giving better look to the garment	1. It is used for effective suspension of unfixed indigo/sulphur dye and size particles from denim garments. 2. It allows encapsulate the suspended dye and size particles and also ensures excellent stability even at low fabric to liquor ratio.	Fatty alcohol polyglycol ether	Non-ionic
379	377	PEROSTAB-3044	Perostab-3044 is an organic stabilizer for alkaline hydrogen peroxide bleaching	1. Suitable for cellulosic fibers and their blends with synthetic fibers. 2. Suitable for all processes. It is suitable for discontinuous and continuous bleaching procedures such as pad-steam-processes and immersion bleaching processes. 3. Primarily for cold pad-batch peroxide extraction bleaching. 4. Extremely suitable for silicate free pad-steam bleaching. 5. Extremely high iron bonding power. 6. EDTA free	Combination of organic hydroxy compounds and carboxylic acids	Anionic
380	378	PEROSTAB-SF	Perostab-SF is a stabilizer for use in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process. It is used in bleaching of cellulosic fibers and their blends with peroxide by the cold pad-batch, pad-steam routine without silicate as well as the discontinuous long liquor bleaching process.	1. Stabilizing/regulating function. 2. Dispersing, crystallization-inhibiting, threshold effect. 3. Does not contain silicate. 4. Best use is made of the bleaching agent which results in high degree of whiteness combined with a high DP value of the cellulosic fiber (high protection of the fiber). 5. Forms complexes with heavy metal ions (e.g. Fe+3) thus preventing catalytic damage to the cotton fiber. 6. No danger of Ca-silicate deposits and incrustations.	Sodium salt of a preparation of oligomeric ester condensates containing polycarboxylic acid	Anionic
381	379	PRODUCT-1202	Product-1202 is a high quality, low foaming stabilizer/scouring agent based on natural minerals, sequesterant & surfactants, especially for use in the discontinuous bleaching of cotton and cotton blended fabrics.	1. Complete, balanced bleaching assistant for single stage bleaching. 2. Excellent stabilizer for hydrogen peroxide. Achieves excellent levels of whiteness. 3. Good cleansing effect of cotton through special washing mechanism. 4. Inherent lubrication properties, ensure good running of fabric during bleach process. 7. Low foaming, APEO free, Environmentally friendly	Based on natural minerals	Anionic
382	380	PRODUCT-DB	Low temperature bleaching agent for cellulotics & its blend. Can also be used in cold batch process.	1. Reduced use of thermal energy, effective use of chemicals with corresponding reduction in the load on wastewater and in the operational load on a limited number of experienced workers in particular are of great advantage. 2. In addition, it gives fabric a soft hand without causing damage, and having no machinery corrosion or problems in the operational environment it imparts good water absorbency, resulting from superior, uniform bleaching and scouring, which guarantee level dyeing in the following stage. 3. One bath desize scour of Polyester, cotton & blended fabrics.	Blend of non-ionic and anionic surfactants with oxidative compounds	Anionic
383	381	PROSURF-BG	Prosurf-BG is a non-ionic surfactant that provides many benefits in a broad range of applications in the Personal Care market. It is a CB-10 fatty alcohol glycoside. It possesses excellent solubility, stability, surface and interfacial activities	1. Mild surfactant. 2. Soluble in highly alkaline solutions. 3. Produces a moderate to high stable foam. 4. Good detergency and wetting properties. 5. Readily biodegradable.	CB-10 alkyl glucoside	Non-ionic
384	382	PROSURF-CB	Prosurf-CB is an amphoteric, plant based surfactant which is cationic at below neutral pH. It has high water solubility, is stable over wide pH range and possesses high degree of tolerance to hard water.	1. It is used a very mild co-surfactant compatible with anionic, nonionic, cationic surfactants (also useful as primary surfactant). 2. It is a good cleanser & foam booster, viscosity enhancer, excellent conditioning & antistatic agent, moderate emulsifier. 3. It is used as a foam booster in shampoos. 4. It is a medium strength surfactant also used in bath products like hand soaps. 5. Building up of very high viscosities is quite possible when Prosurf-CB is added with the commonly used anionic surfactants.	Cocamidopropyl Betaine	Amphoteric
385	383	PROSURF-LT-7	Prosurf-LT7 is a non-ionic surfactant for use as a detergent and in cleaning industry	1. Laundry, Dishwashing. 2. Hard Surface Cleaning. 3. Food Service and Kitchen Hygiene. 4. Commercial Laundry. 5. Institutional Cleaning and Sanitation.	Alcohols, C12-C18, ethoxylated	Non-ionic
386	384	PROSURF-TO-89	Prosurf-TO-89 is a non-ionic surfactant for detergents and cleaners, and for the chemical and allied industries	1. Prosurf-TO-89 to be used in dilute solutions to give better results. 2. It can form fairly stiff gels at certain concentrations when water is added. 3. The rates at which the Prosurf-TO-89 dissolves can be increased by adding alcohols, glycols and other solubilizers. 4. It finds its use in the following: - Laundry detergents. - Cleaners, Household cleaners. - Neutral & Acid cleaners. - Neutral metal cleaners. - Emulsification. - Dispersing & Wetting. - Leather, Paper, Paint and Building products industries.	Fatty alcohol alkoxylated	Non-ionic
387	385	PROSURF-XL-140	Prosurf-XL-140 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries	C-10 Guerbet alcohol alkoxylated + 14 moles EO	Non-ionic
388	386	PROSURF-XL-50	Prosurf-XL-50 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries.	Alkyl polyethylene glycol ether	Non-ionic
389	387	PROSURF-XL-60	Prosurf-XL-60 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties. Prosurf-XL-60 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries.	Alkyl polyethylene glycol ether	Non-ionic
390	388	PROSURF-XL-70	Prosurf-XL-70 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries.	Alkyl polyethylene glycol ether	Non-ionic
391	389	PROSURF-XL-80	Prosurf-XL-80 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties. 2. It can be combined with anionic, cationic and non-ionic surfactants and auxiliaries. 3. It is very effective emulsifiers. 4. It is readily biodegradable.	Alkyl polyethylene glycol ether	Non-ionic
392						

	A	B	C	D	E	F
393	390	PROSURF-XL-90	Prosurf-XL-90 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties. 2. It can be combined with anionic, cationic and non-ionic surfactants and auxiliaries. 3. It can be used to formulate acidic, alkaline, and neutral cleaners that satisfy the most varied requirements. 4. It is very effective emulsifiers. 5. It is readily biodegradable	Alkyl polyethylene glycol ether	Non-ionic
394	391	PROSURF-XP-50	Prosurf-XP-50 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries	Alkyl polyethylene glycol ether	Non-ionic
395	392	PROSURF-XP-60	Prosurf-XP-60 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries	Alkyl polyethylene glycol ether	Non-ionic
396	393	PROSURF-XP-70	Prosurf-XP-70 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties, and can be degraded absolutely. 2. It can be combined with anionic, cationic and nonionic surfactants and auxiliaries.	Alkyl polyethylene glycol ether	Non-ionic
397	394	PROSURF-XP-80	Prosurf-XP-80 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties. 2. It can be combined with anionic, cationic and non-ionic surfactants and auxiliaries. 3. It is very effective emulsifiers. 4. It is readily biodegradable.	Alkyl polyethylene glycol ether	Non-ionic
398	395	PROSURF-XP-90	Prosurf-XP-90 is a non-ionic surfactant. It is alkyl polyethylene glycol ether based on C10-Guerbet alcohol and ethylene oxide. Manufactured by causing the C10-alcohol to react with ethylene oxide in stoichiometric proportions. It has excellent wetting properties.	1. It has excellent wetting properties. 2. It can be combined with anionic, cationic and non-ionic surfactants and auxiliaries. 3. It can be used to formulate acidic, alkaline, and neutral cleaners that satisfy the most varied requirements. 4. It is very effective emulsifiers. 5. It is readily biodegradable	Alkyl polyethylene glycol ether	Non-ionic
399	396	QUENCH-PN	Quench-PN is used for rapid removal of potassium permanganate & hypochlorite residues from processed garments. Potassium permanganate residue removal	1. Eliminates coloration produced by manganese dioxide. Potassium permanganate residue removal or PP neutralizer. 2. Bleaching process when washing and neutralizing is carried out, it eliminates chlorine rests, it also eliminates eventual resistance loss & yellow produced by chlorine remains. 3. Product exempt of odor, which could be usual in other anti-chlorine products. 4. Applicable after Ultrafresh MG and other based on permanganate. 5. Complete removal of yellow tint from denim after PP treatment & leaving denim look bluer in compare to traditional neutralizer, metabisulfite. 6	Blend of inorganic salt	Non-ionic
400	397	QUENCH-PN/Conc	Quench-PN-Conc is used for rapid removal of potassium permanganate & hypochlorite residues from processed garments	1. Eliminates coloration produced by manganese dioxide. Potassium permanganate residue removal or PP neutralizer. 2. Bleaching process when washing and neutralizing is carried out, it eliminates chlorine rests, it also eliminates eventual resistance loss & yellow produced by chlorine remains. 3. Product exempt of odor, which could be usual in other anti-chlorine products. 4. Applicable after Ultrafresh MG and other based on permanganate. 5. Complete removal of yellow tint from denim after PP treatment & leaving denim look bluer in compare to traditional neutralizer, metabisulfite. 6	Blend of inorganic salt	Non-ionic
401	398	RAP-GPX-NEW	RAP-GPX-NEW is a highly concentrated spotting agent for all fibers to remove lubricants, oils as well as spots caused by machine lubricating oils.	1. Emulsifies and dissolves difficult to remove oil spots. 2. Is free of solvent and of low odor. 3. No danger of halo formation. 4. APEO free 5. It has effective, degreasing, wetting, stain removal & detergency action giving a very clean fiber/fabric.	Blend of specialty surfactants	Non-ionic
402	399	ULTRA-84	Ultra-84 has an excellent wetting power. Over the wide pH and temperature range. Exhibits outstanding detergent effect. Have very good emulsifying properties. Have good stability to alkalis and acids, hence an ideal scouring and milling agent for wool.	1. Very good wetting and detergent action. 2. Excellent dispersing and emulsifying properties. 3. Stable to alkaline and acidic liquors. 4. Stable to metal salts and hard water. 5. Smooth and trouble free running of the goods. 6. Very good removal of oily and greasy impurities. Universal application. 7. Has very good wetting and detergency action with extremely hard water.	Ethoxylate & blend	Non-ionic
403	400	ALLENOL-ADKI	Levelling agent for direct, vat and sulphur dyestuffs	Allenol-ADKI helps to achieve level dyeing on cotton by equalizing the rate of dyeing and minimizing the affinity differences. It improves dyestuff penetration also.	Amphoteric alkoxylate	Nonionic
404	401	ALQUAT-4035	Alquat-4035 is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to dyeing process.	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour 2. It is also used as an after finishing agent to improve wash and crock fastness of reactive and direct dyed fabrics. It increases the amount of dye uptake that can be exhausted onto cellulosic fabric with direct, pigment, fibre reactive, sulphur dyes, vat and indigo.	Polycation	Cationic
405	402	ALQUAT-5851	Alquat-5851 is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to pigment dyeing process.	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour . 2. Catinization in both alkaline & acidic pH condition 2. It is also used as an after finishing agent to improve wash and crock fastness of reactive and direct dyed fabrics. It increases the amount of dye uptake that can be exhausted onto cellulosic fabric with direct, pigment, fibre reactive, sulphur dyes, vat and indigo.	Polycation	Weakly Cationic
406	403	ALQUAT-CF	Alquat-CF is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to dyeing process.	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour . 2. Catinization in both alkaline & acidic pH condition 2. It is also used as an after finishing agent to improve wash and crock fastness of reactive and direct dyed fabrics. It increases the amount of dye uptake that can be exhausted onto cellulosic fabric with direct, pigment, fibre reactive, sulphur dyes, vat and indigo.	Polyetheramine	Cationic
407	404	ALQUAT-CLA	Alquat-CLA is a unique catalyst & desorbing agent designed to greatly accelerate action of chlorine bleach on indigo (anthraquinone & indigo) Sulfur, azo and direct color dyes on native fibers. Bleach bath accelerator	1. Ensures over 50% reduction in chlorine bleach concentration. 2. Substantial reduction in bleach cycle time allowing for improved productivity. 3. Bleaching process at lower temperatures allowing savings in fuel costs & energy costs. 4. Vastly reduced effluent quantities. 5. Is ECO friendly and environmentally safe. 6. It performs synergistically when used in chlorine bleach processes; enabling substantial reductions in chlorine bleach concentrations bleach cycle time and/or process temperatures to achieve a given shade.	Sulfated ammonium derivative	Cationic
408	405	ALQUAT-DF-ECO	Alquat-DF-ECO is a concentrated economical non-formaldehyde based dye fixing agent for cellulosic fabrics. It improves the wet fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibres.	1. Little change of shade. 2. Little effect on light fastness. 3. No significant effect on handle. 4. Good compatibility with softening and finishing liquors. 5. Formaldehyde free. 6. Very good resistance to salts causing hardness of water.	Polyquaternary ammonium compound (formaldehyde-free)	Cationic
409	406	ALQUAT-HR	Alquat-HR is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to dyeing process.	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour 2. It is also used as an after finishing agent to improve wash and crock fastness of reactive and direct dyed fabrics. It increases the amount of dye uptake that can be exhausted onto cellulosic fabric with direct, pigment, fibre reactive, sulphur dyes, vat and indigo.	Polyamine resin and inorganic salts	Cationic
410	407	ALQUAT-PBA	Alquat-PBA is a bleaching activator agent of indigo dyed jeans especially for permanganate processes. PP activator	1. Provides active role in permanganate bleaching on jeans material. 2. Provides good contrast, brighter and clean look after neutralization. 3. The desired shades can be controlled easily by treatment pH range and temperatures. 4. It is an inorganic, acidic, biodegradable liquid.	Aqueous preparation of inorganic phosphorus compounds	Non ionic
411	408	ALQUAT-RD	Alquat-RD is a non-formaldehyde based dye fixing agent for cellulosic fabrics. It improves the wet fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibers. To improve the wet fastness and wash fastness properties of direct and discharge prints with direct and reactive dyestuffs. It also improves fastness to perspiration fastness.	1. Little change of shade. 2. Little effect on light fastness. 3. No significant effect on handle. 4. Good compatibility with softening and finishing liquors. 5. Formaldehyde free. 6. Very good resistance to salts causing hardness of water.	Polyquaternary ammonium compound	Cationic

	A	B	C	D	E	F
	409	ALTRANOL-XC	Altranol-XC is a dye transfer inhibitor for laundry detergents.	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
412	410	ALTRASPERSE-AA	It is versatile anionic dye-dispersing agent	1. It stabilizes dye dispersions, but it has no wetting or detergent action in acid liquors. In acid liquors, it has affinity for animal fibres, e.g wool & silk, & for polyamide fibres 2. It ensure good stability of the dye dispersion through out the whole dyeing process	Sodium poly[(naphthalene formaldehyde)sulfonate]	Anionic
413	411	ALTRASPERSE-SW-30	Altrasperse-SW-30 is a versatile anionic dye-dispersing agent desired for the application where very low amount of electrolyte is present.	1. It stabilizes dye dispersions, but it has no wetting or detergent action in acid liquors. 2. In acid liquors, it has affinity for animal fibers, e.g. wool & silk, & for polyamide fibers. 3. It ensure good stability of the dye dispersion through out the whole dyeing process	Sodium poly[(naphthalene formaldehyde)sulfonate]	Anionic
414	412	ALTRASPERSE-SW-CONC	Altrasperse-SW-Conc is a versatile anionic dye-dispersing agent desired for the application where very low amount of electrolyte is present.	1. It stabilizes dye dispersions, but it has no wetting or detergent action in acid liquors. 2. In acid liquors, it has affinity for animal fibers, e.g. wool & silk, & for polyamide fibers. 3. It ensure good stability of the dye dispersion through out the whole dyeing process	Sodium poly[(naphthalene formaldehyde)sulfonate]	Anionic
415	413	ALLENBLOOM-CVI	Allenbloom CVI is a silicone based color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent colour deepening effects are observed on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool and their blends also.	1. It gives colour deepening in dark shades up to 25 - 30 % by pad, dry-cure process. 2. Excellent elastic resilience & soft and smooth handle. 3. Applicable by pad process only & in garment machines with low turbulence	Emulsion of modified amino siloxane	Non-ionic
416	414	AMPLIFY-CHA	Amplify-CHA is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric	1. It gives colour deepening in dark shades up to 25 - 30 % by pad, dry-cure process. 2. Excellent elastic resilience & soft and smooth handle. 3. Applicable by pad process only 4. Excellent colour deepening effects are observed on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool and their blends also.	Emulsion of modified amino siloxane	Non-ionic
417	415	AMPLIFY-DMP	Amplify-DMP is a silicone softener designed to be used along with acrylic based blooming agent. It maintains the brighter tone of the acrylic based blooming agent.	1. It is a color deepening agent designed to increase the depth of primarily polyester & cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. 2. It maintains the brighter tone of the acrylic based blooming agent.	Emulsion of modified amino siloxane	Non-ionic
418	416	AMPLIFY-DMP-ECO	Amplify-DMP-ECO is a silicone softener designed to be used along with acrylic based blooming agent. It maintains the brighter tone of the acrylic based blooming agent.	1. It is a color deepening agent designed to increase the depth of primarily polyester & cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. 2. It maintains the brighter tone of the acrylic based blooming agent.	Emulsion of modified amino siloxane	Non-ionic
419	417	AMPLIFY-JET-ECO	Amplify-JET-ECO is a color deepening agent designed to increase the depth of primarily cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. It gives colour deepening in dark shades up to 15 - 30 % by pad, dry-cure process. 2. Excellent elastic resilience & soft and smooth handle. 3. Applicable by pad process only. For exhaust only to use in garment machine like drum washer	Emulsion of modified amino silicone	Non-ionic
420	418	AMPLIFY-RPI	Amplify-RPI is a colour deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent colour deepening effects are observed on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool and their blends also.	1. It gives colour deepening in dark shades up to 25-30% by pad, dry-cure process 2. Excellent elastic resilience & soft and smooth handle 3. Applicable by pad process only. For exhaust only to use in garment machine like drum washer	Emulsion of modified amino siloxane	Non-ionic
421	419	AMPLIFY-AB	Amplify-AB is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in all shades by post treatment of fabric for bright deep look.	1. It gives bright look on fabric. 2. Free from slip trouble, hand marks, spot problem. 3. Does not affect the fastness properties of dyeing. 4. Very good mechanical / chemical / thermal stability. 5. No occurrence of chalk marks. No problems of ending and tailing	Special type hybrid acrylic resin	Weakly cationic
422	420	AMPLIFY-AQ	Amplify-AQ is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in all shades by post treatment of fabric for bright deep look.	1. Provides maximum color-depth of disperse black & sulphur black. 2. It gives bright look on fabric. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing 6. Very good mechanical / chemical / thermal stability. 7. No occurrence of chalk marks. 8. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
423	421	AMPLIFY-BE	Amplify-BE is a colour deepening agent designed to increase the depth of primarily polyester and their blended fabrics especially dyed in black & navy blue. Treated fabric exhibits jet black colour. It is also suitable on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool, polyamide and their blends.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces outstanding JET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cation
424	422	AMPLIFY-BL	Amplify-BL is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces outstanding JET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cation
425	423	AMPLIFY-BLACK	Amplify-BLACK is a color deepening agent designed to increase the depth of primarily polyester, cotton, wool and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening effects are observed on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool and their blends also.	1. It gives colour deepening in dark shades up to 25 - 30%. 2. Excellent elastic resilience & soft and smooth handle. 3. Applicable by pad & exhaust process. 4. Amplify Black treated fabric gives least amount of thermo migration in polyester fabrics 5. Excellent colour deepening agent for denim & sulphur dyed garments	Modified amino siloxane	Non-ionic
426	424	AMPLIFY-CBRT	Amplify-CBRT is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces outstanding JET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
427	425	AMPLIFY-ERA	Amplify-ERA is an economical color deepening agent designed to increase the depth of primarily cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. It gives color deepening in dark shades up to 15-30% by pad, dry-cure process. 2. Excellent elastic resilience & soft and smooth handle. 3. Applicable by pad process only. For exhaust only to use in garment machine like drum washer.	Based on silicone	Non-ionic
428	426	AMPLIFY-IND	Amplify-IND is a fine dispersion of oligomeric resins. It is a first true jet stable color deepening agent matching deepening effects conventionally achieved by dry-on-wet finishing by padding method. It imparts a distinct improvement in shade depth coupled with a brighter and vibrant dye shade. It is shear & temperature stable. It is recommended for polyester, cotton, polyamides, and their blends.	1. Amplify-IND is exhaust applicable in high turbulence HTHP machines i.e. soft-flow, jets, yarn dyeing equipment & other conventional equipment like winches, jiggers, drum washers etc. 2. Conventional bathochromic i.e. color deepening agents are suitable only for dry-on-wet finish methods. Amplify-IND is readily applied by wet-on-wet finish methods eliminating the intermediate steps of fabric drying resulting in saving time and energy. 3. Amplify-IND is suitable for color deepening benefits on dyed polyester dress materials, saree fabrics, Polyester-viscose k&mp; Polyester-cotton blends. 4. It is suitable for application on dyed cellulosic, natural polyamides, knitted k&mp; woven fabrics and garments. 5. Amplify-IND is suitable for color deepening effects on dyed yarns by package dyeing equipment. 6. Amplify-IND imparts a 30 - 45% improvement in shade depth coupled with a brighter and vibrant dye shade.	Oligomeric resin emulsion	Weakly cation

	A	B	C	D	E	F
	427	AMPLIFY-JWB	Amplify-JWB is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in all shades by post treatment of fabric for bright deep look.	1. Provides maximum color-depth of disperse black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. No occurrence of chalk marks. 8. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
430	428	AMPLIFY-JWR	Amplify-JWR is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed. It is suitable on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool, polyamide and their blends.	1. Provides maximum color-depth of disperse black. 2. Produces astounding IET black shade-depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
431	429	AMPLIFY-KB	Amplify-KB is a colour deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cation
432	430	AMPLIFY-KR	Amplify-KR is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed. It is suitable on other fabric substrates i.e. cotton, viscose, acetate, acrylic, wool, polyamide and their blends.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
433	431	AMPLIFY-ONE	Amplify-ONE is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
434	432	DYCAR-PEW	Dycar-PEW is a low odor carrier for dyeing of polyester, polyester blends, cationic dye able PES and blends	1. Low odor in application. 2. Produces no odor on the fabric, even without high drying temperatures after dyeing. 3. Is easy in application and gives stable emulsion over the entire temperature range of the dyeing process. 4. Contains dispersants and leveling agents, it is usually used without additional leveling agents or dispersants. 5. Is also suitable in dyeing at temperatures of 120-130°C. 6. Is particularly useful when dyeing polyester / wool blends because of low cross-staining on wool with disperse dyes.	Based on aromatic imides	Anionic
435	433	DYEBOND-425	Dyebond-425 is a special high molecular weight cationic compound designed to demand high wet rubbing fastness for trouble-shooting on deep navy, black, red shades on cellulose fiber and its blends, accompanied with high value-adding benefits for dyeing mills & apparel brands.	1. It improves distinctly both the dry and wet rubbing fastness on 100% Cotton, Rayon, PET/cotton blends. It is applied for the aftertreatment of dyeing and prints. 2. No influence to washing, and perspiration fastness and the handle of fabric. 3. Does not lead to any shade deviations. 4. It is extremely effective on indigo dyed denims. 5. Applicable by both PAD & Exhaust. 6. Good hydro absorbency. 7. Low foaming & excellent solubility. 8. Free of formaldehyde, dimethylformamide & butanone oxime	Waterborne polyurethane	Cationic
436	434	DYEBOND-IF	Dyebond-IF is a cross linking agent to improve washing fastness of Indigo and Sulphur dyed denim fabric/garment. It improves wet & dry crock resistance on the fabric. It improves wash fastness without significantly affecting the dye shade.	1. Improves wet and dry crock resistance on the fabric. 2. Improves wash fastness without significantly affecting the dye shade. 3. Effective over a wide pH range of 2.0 - 10.0. 4. High substantivity to cellulosic fibers. 5. Improves appearance of denim garments to washing. 6. Assists in yarn size retention. 7. Good treated with it keep their original indigo blue even after stone-wash. 8. Contains no formaldehyde.	Polyamide resin	Cationic
437	435	DYEBOND-MAX	Dyebond-MAX is a rub fastness improver after treatment agent, highly effective for cellulosic and synthetic fibres. It reduces the colour abrasion from dyed cellulose fibres, synthetics and their blends. The fastness to light, washing and contact of the treated fabrics are not impaired with the shade intensification is manageable.	1. The wet rubbing fastness can be improved significantly. It is Suitable for 100% Cotton, Rayon, PET/cotton blends. 2. It improves the wet rubbing fastness of dyeing's considerably which increases the fabric quality. 3. It is extremely effective on indigo dyed denims. 4. It has no influence to washing, perspiration fastness, and handle of fabric. 5. Applicable by both PAD & Exhaust. 6. Good handle & hydro absorbency. 7. It improves the pilling behavior of the fabric considerably. 8. Low foaming & excellent solubility. 9. Free of formaldehyde, dimethylformamide & butanone oxime.	Waterborne polyurethane	Cationic
438	436	DYEFIX-CD/CONC	Dyefix-CD-Conc is an eco-friendly , highly concentrated 80% cationic dye fixing agent for reactive, vat, sulphur & direct dyes which does not contain formaldehyde in its formulation. It does not affect either light fastness or the shade of the treated material. It can be applied by exhaust as well as pad application	1. Formaldehyde free: Suitable for Oeko-Tex and baby wear. 2. It does not affect shade or light fastness therefore rematching not required. 3. It is versatile, thus suitable for pad & exhaust applications. 4. Suitable for turquoise blue fabric, no tonal variation	Polycation	Cationic
439	437	DYEFIX-CF	Dyefix-CF improves both, the wet fastness to washing and chlorine for materials that are dyed with reactive and direct dyes. Properties like perspiration, washing, etc. are also improved. It is applicable on exhaustion as well as by padding method with finishing resin. It is non-foaming and is formaldehyde free.	1. Gives excellent chlorine resistance. Gives excellent pool water fastness. 2. All round product for reactive and direct dyeing's, excellent improvement of contact water fastness. 3. Contact fastness of basic, sulphur, vat, direct & reactive dyeing's are distinctly improved & so suitable for polyacrylics, cellulose & regenerated cellulosic fabrics. 4. None or only minimum influence on shade change and light fastness. No influence on handle and absorbency.	Polyetheramine in aqueous solution	Cationic
440	438	DYEFIX-CF/CONC	Dyefix-CF conc is 65% concentrated dyefixing agent which improves both, the wet fastness to washing and chlorine for materials that are dyed with reactive and direct dyes. Properties like perspiration, washing, etc. are also improved. It is applicable on exhaustion as well as by padding method with finishing resin. It is non-foaming and is formaldehyde free.	1. Gives excellent chlorine resistance. Gives excellent pool water fastness. 2. All round product for reactive and direct dyeing's, excellent improvement of contact water fastness. 3. Contact fastness of basic, sulphur, vat, direct & reactive dyeing's are distinctly improved & so suitable for polyacrylics, cellulose & regenerated cellulosic fabrics. 4. None or only minimum influence on shade change and light fastness. No influence on handle and absorbency.	Polyetheramine in aqueous solution	Cationic
441	439	DYEFIX-CPW	Dyefix-CPW is an eco-friendly cationic dye fixing agent for reactive, vat, sulphur & direct dyes which does not contain formaldehyde in its formulation. Dyefix-CPW does not affect either light fastness or the shade of the treated material. Dyefix-CPW can be applied by exhaust as well as pad application.	1. Formaldehyde free 2. Suitable for Oekotex and baby wear Especially suitable even tricky shades like turquoise blue 4. Does not affect shade or light fastness Rematching not required Versatile Suitable for exhaust and pad application	Polycation	Cationic
442	440	DYEFIX-CPW/CONC	Dyefix-CPW-Conc is an eco-friendly cationic dyefixing agent for reactive, vat, sulphur & direct dyes which does not contain formaldehyde in its formulation. Due to its unique characteristics, it not only improves wash fastness, particularly staining on multifibre but also improves fastness to perspiration and fastness to contact water, without any staining on multifibre.	1. Formaldehyde free 2. Suitable for Oekotex and baby wear 3. Concentrated Economical recipe Does not affect shade or light fastness Rematching not required Versatile Suitable for exhaust and pad application Especially suitable even tricky shades like turquoise blue	Polycation	Cationic
443	441	DYEFIX- ECO	Dyefix-ECO-35 is an eco-friendly cationic dye fixing agent for reactive, vat, sulphur & direct dyes which does not contain formaldehyde in its formulation. It does not affect either light fastness or the shade of the treated material. It can be applied by exhaust as well as pad application.	1. Formaldehyde free: Suitable for Oeko-Tex and baby wear 2. It does not affect shade or light fastness therefore rematching not required 3. It is versatile, thus suitable for pad & exhaust applications	Quaternized polyamine.	Cationic
444						

	A	B	C	D	E	F
442	442	DYEFIX-HCF	Dyefix-HCF is a formaldehyde free dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibers.	1. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 2. It is a zero formaldehyde product & hence treated fabric are free from formaldehyde odor. Further the fabrics satisfies international regulations concerning formaldehyde emission. 3. It is highly resistant to presence of salts such as common salt & Glauber salt. 4. It is effective at room temperature. For optimum results the dyed fabric should be treated at 40 - 50°C for 20 mins. 5. Conventional fixing agent based on formaldehyde has detrimental effect on texture shade & fastness to light whereas Dyefix-HCF being formaldehyde free has no disadvantages. 6. It has no effect on the dyed shade, nor does it impair its fastness to light & chlorine. 7. It minimizes migration of direct dyes during drying & heat set process. Does not promote yellowing.	Poly cation	Cationic
443	443	DYEFIX-HF	Dyefix-HF is a non-formaldehyde based dye fixing agent for cellulosic fabrics. It improves the wet fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibers. To improve the wet fastness and wash fastness properties of direct and discharge prints with direct and reactive dyestuffs. It also improves fastness to perspiration fastness.	1. Little change of shade. 2. Little effect on light fastness. 3. No significant effect on handle. 4. Good compatibility with softening and finishing liquors. 5. Formaldehyde free. 6. Very good resistance to salts causing hardness of water	Polyquaternary ammonium compound	Cationic
444	444	DYEFIX-HNF	Dyefix-HNF is a formaldehyde free dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibers	1. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 2. It is a zero formaldehyde product & hence treated fabric are free from formaldehyde odor. Further the fabrics satisfies international regulations concerning formaldehyde emission. 3. It is highly resistant to presence of salts such as common salt & Glauber salt. 4. It is effective at room temperature. For optimum results the dyed fabric should be treated at 40°C to 50°C for 20 mins. 5. Conventional fixing agent based on formaldehyde has detrimental effect on texture shade & fastness to light whereas Dyefix-HNF being formaldehyde free has no disadvantages. 6. It has no effect on the dyed shade, nor does it impair its fastness to light & chlorine. 7. It minimizes migration of direct dyes during drying & heat set process. Does not promote yellowing.	Poly cation	Cationic
445	445	DYEFIX-NCF/CONC	Concentrated dye/fixing agent to improve chlorine fastness for metal complex & acid dyes on nylon.	1. Chlorine fastness for nylon or polyamide fabrics 2. Excellent pool water fastness for swim wear made of polyamide or nylon.	Methylene linked condensation product	Anionic
446	446	DYEFIX-RN	Dyefix-RN is a wet fastness improver for metal complex & acid dyes on nylon, wool, silk and blends.	1. Dyefix RN 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
447	447	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
448	448	DYEFIX-SK-50	Dyefix-SK-50 is a formaldehyde free dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibers.	1. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 2. It is a zero formaldehyde product & hence treated fabric are free from formaldehyde odor. Further the fabrics satisfy international regulations concerning formaldehyde emission. 3. It is highly resistant to presence of salts such as common salt & Glauber salt.	Poly cation	Cationic
449	449	DYEFIX-SK-70	Dyefix-SK-70 is a formaldehyde free dye-fixing agent for improving wet fastness of Reactive dyes & Direct dyes on Cellulosic fibers.	1. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 2. It is a zero formaldehyde product & hence treated fabric are free from formaldehyde odor. Further the fabrics satisfy international regulations concerning formaldehyde emission. 3. It is highly resistant to presence of salts such as common salt & Glauber salt.	Polycation	Cationic
450	450	DYEFIX-WFF	It is a dye-fixing agent for improving wet fastness of reactive, Sulphur, vat, indigo & direct dyes on cellulosic fibers.	1. Gives acceptable effects to improvement of not only color fastness to dry rubbing but also color fastness to wet rubbing to which the usual agents have been considered to be difficult to give effects. 2. It also improves wet fastness of cellulosic fabrics. 3. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 4. It is a zero formaldehyde product & hence treated fabric is free from formaldehyde odor. Further the fabrics satisfies international regulations concerning formaldehyde emission	Polydmdmac	Cationic
451	451	DYLEV-7380	Dylev-7380 is a low odor carrier for dyeing of polyester, polyester blends, cationic dye able PIS and blends	1. Low odor in application. 2. Produces no odor on the fabric, even without high drying temperatures after dyeing. 3. Is easy in application and gives stable emulsion over the entire temperature range of the dyeing process. 4. Contains dispersants and leveling agents, It is usually used without additional leveling agents or dispersants. 5. Is also suitable in dyeing at temperatures of 120-130°C. 6. Is particularly useful when dyeing polyester / wool blends because of low cross-staining on wool with disperse dyes.	Based on aromatic imides	Anionic
452	452	DYLEV-CB	Dylev-CB is a low foaming, ecofriendly diffusion accelerant with leveling action for dyeing of polyester & its blends.	1. Accelerates dye diffusion especially at temperatures above 100°C. 2. Improves dye migration. 3. Allows shorter dyeing cycles (hence lesser energy consumption and reduced occurrence of oligomer deposits). 4. Gives better yields (hence reduced dye costs and cleaner machines). 5. Promotes coverage of material-induced barrenness.	Mixture of aromatic hydrocarbons	Non-ionic
453	453	DYLEV-DA	Dylev-DA is a dispersing and leveling agent. It is a universal low foam dispersant and can be used in the dyeing of most fibers including wool, polyamide, Polyester, acetate, acrylic and their blends. It is stable in hard water, acidic, alkaline and electrolytic conditions.	1. Ensures excellent dispersion of the dyestuff through printing and fixation, thereby enhancing print levelness, clarity and brightness. 2. It is suitable for high temperature dyeing and does not alter the shade of colorants nor does it impart any unpleasant odor to the products. 3. It also helps to stabilize non-ionic auxiliaries in the dye bath.	Sodium poly[(naphthalene formaldehyde)sulfonate] & surfactant	Anionic
454	454	DYLEV-DIF	Dylev-DIF is a leveling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	1. Good levelling and migration properties. 2. Marked diffusion-accelerating effect. 3. Very good dispersing properties. Build-up on tone. 4. No oligomer deposits. 5. Permits level dyeing's under critical dyeing conditions. 6. Improves in-out levelness in dyeing on circulating liquor machines. Suitable for levelling faulty dyeing's. 7. Improves coverage of material with varying affinity. 14. Further dispersants not required.	Carboxylic and phosphoric acid esters of aromatic compounds	Anionic
455	455	DYLEV-DLP	Dylev-DLP is a leveling and dispersing agent for dyeing polyester fibers with disperse dyestuffs by the HT process	1. Fluorescent whitening of polyester fibers with disperse FWA's by the HT process. 2. Dyeing the polyester component of polyester / cellulosic blends by the HT process. 3. Pronounced dispersing properties. Very good levelling effect. 4. Prevents filtration of dyestuffs. Does not increase the AOX content of waste water.	Aryl-polyglycol ether derivative	Anionic
456	456	DYLEV-EC	Dylev-EC is a low foaming, eco-friendly diffusion accelerant, leveler for dyeing of polyester & its blends.	1. Accelerates dye diffusion especially at temperatures above 100°C. 2. Improves dye migration. 3. Allows shorter dyeing cycles (hence lesser energy consumption and reduced occurrence of Oligomer deposits). 4. Gives better yields (hence reduced dye costs and cleaner machines). 5. Promotes coverage of material-induced barrenness.	Mixture of aromatic hydrocarbons	Non-ionic

	A	B	C	D	E	F
	457	DYLEV-ELA	Dylev-ELA is an innovative product to enhance the shade depth on the Elastane portion in blends of PA/EL, and then ensure solid shades and high wet fastness property on PA/EL blends. Dylev-ELA together with Black-M is the only way to achieve on EL fibers a full deep black without any reduction of wet fastness properties.	1."Crin-through" of the undyed elastane fiber is eliminated (typical problem with foundation garments containing bare EL). 2. Molding of black bra cups without any shade change (after molding the visible EL shows same shade than PA). 3.Develops solid dyeing on EL and helps to achieve wet fastness requirement on PA/EL blend accordingly (less staining on EL). 4. Allows production of garments with extreme contrast color (e.g. black/white). 5. Highest quality and prolonged life of the finished goods by allowing multiple washing cycles. 6. Insures stable and reproducible shades. 7. Easy to measure and dose deal on automatic dispensing systems. 8. No change of fastness and shade.	Solution of an amine derivative	Amphoteric
460	458	DYLEV-ERQ	Dylev-ERQ is a low-foaming leveling agent and dyeing accelerator with strong diffusion-promoting properties for HT-polyester dyeing's.	1. Support uniform color build-up. High migration properties. 2. Free of phthalic acid ester. 3. Free of APED or APED derivatives. 4. Self-emulsifying when pouring into water. 5. Low-foaming, also in HT-range. 6. Suitable for very short liquor ratios. 7. Excellent leveling effects. 8. Suitable for leveling faulty dyeing's. 9. Suitable for carrier and HT-dyeing's, also on beam dyeing machines.	Based on aromatic carboxylic acid compound & ethoxylates	Non-ionic
461	459	DYLEV-FBSE	Dylev-FBSE due to its substantively for 1:2 metal complex dyes 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
462	460	DYLEV-FI	Dylev-FI is a versatile dispersing, levelling and emulsifying agent. It keeps the insoluble dye particles in fine dispersion and prevents re-deposition on the substrate. Thus it is useful in the dyeing of disperse dyes, acetate dyes, acid dyes, chrome dyes and naphthol dyeing. It also helps in smooth running of the pad bath hence preventing roller build up.	1. It's a Multipurpose hence Used as levelling, dispersing, emulsifying agent hence less inventory. 2. It's versatile, hence suitable for cotton, Polyester, wool silk and nylon. 3. It gives good dispersing / emulsifying action hence can prevent silicones spots in finishing of longer batched under adverse conditions.	Surfactant blends	Non-ionic
463	461	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
464	462	DYLEV-LAFS	Dylev-LAFS is a dispersing and leveling agent for disperse dyes. It is also suitable for stripping polyester dyeing's.	1. It is suitable for stripping polyester dyeing's. 2. Helps in removing unfixed or loose dyestuff and does not loose re-deposition of the dyestuffs	Polyoxyethylene ether ester	Non-ionic
465	463	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 sulpo groups (1:2 metal complex dye).	Mixture of non-ionic & anionic surfactants	Anionic
466	464	DYLEV-PNS				
467	465	DYLEV-SLM	Dylev-SLM is a levelling agent for high temperature dyeing of polyester fiber / fabric	1. Excellent migration property to the dyes used and therefore eliminates uneven dyeing. Time required in raising the temperature is reduced. 2. In dyeing texturized polyester knit & woven fabric it shows an outstanding covering property to eliminate barre' effect. 3.It does not produce any adverse effect on the light fastness nor does it adversely affect the subsequent treatment. 4. Ecofriendly, APED / NPED free.	Special Anionic surface active agent.	Anionic
468	466	DYLEV-SMK	Dylev-SMK due to its substantively for 1:2 metal complex dyes such as Lanasyms 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
469	467	DYMAX-TWE	Dymax-TWE system represents a valid alternative to the traditional soaping process, generally performed with several washing at boiling temperature. Dymax-TWE allows a substantial reduction in time of treatment baths, all performed at the maximum temperature of 50 .	1. Dymax-TWE has a particular cationic nature which enables it to react with the hydrolyzed dyes and, subsequently, with the fiber. 2. This polymer has a special chemical nature, which allows diverse actions as follows: - The reaction between the polymer with both, hydrolyzed and partially hydrolyzed dyes, generates a complex with affinity to the fiber. - The complex forms a stable bond with the fiber. Such bond has a very high stability. - The polymer reacts with the dyes previously fixed on the fiber. 3. Very good wet fastness also with repeated washes. 4. No influence on the light fastness of the dyestuffs. 5. If correctly applied the product exhaust nearly completely on the fiber and no residual product remains in the bath.	Quaternary ammonium compound	Cationic
470	468	DYRETARD-ACR	Dyretard-ACR is developed as retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs. Levelling of faulty dyeing's.	1. High levelling power of cationic dyestuffs. 2. Improves the migration of the basic dyestuffs. 3. Intensified dye take up only after reaching the dyeing temperature	Quaternary ammonium compound	Cationic
471	469	DYRETARD-ANI	Dyretard-ANI is a retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs & cationic dyeable polyester fabric	1. Suitable for all types of cationic dyestuffs. 2.High leveling power of cationic dyestuffs for polyacrylonitrile & polyester fabric 3. Improves the migration of the basic dyestuffs. 4. Intensified dye take up only after reaching the dyeing temperature.	Quaternary ammonium compound	Cationic
472	470	DYRETARD-AR / CONC	Dyretard-AR-Conc is a retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs	1. Suitable for all types of cationic dyestuffs 2. High leveling power of cationic dyestuffs. 3. Improves the migration of the basic dyestuffs. 4. Intensified dye take up only after reaching the dyeing temperature	Quaternary ammonium compound	Cationic
473	471	DYRETARD-PAN	Dyretard-PAN is a retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs	1. High leveling power of cationic dyestuffs. 2. Improves the migration of the basic dyestuffs. 3. Intensified dye take up only after reaching the dyeing temperature	Quaternary ammonium compound	Cationic
474	472	DYTEC-DAN-30	Dytec-DAN-30 is a high performance, non-staining dispersing agent for the producing level dye shades on polyester with disperse dyes in high temperature exhaust dyeing systems	1. Does not stain polyester and ensures optimum brightness and color clarity even in pale shades and with fluorescent optical whiteners. 2. Maintains its high dispersing efficiency throughout heating and cooling cycle and so prevents dyestuff agglomeration and surface re-deposition which if often encountered in heavy shades. 3. It has excellent in-built dispersing action on polyester oligomer and can be used as an efficient cleaning agent for oligomer deposits that may have accumulated in the dyeing equipment 4. Maintains a stable dispersion in the presence of high electrolyte concentration and is therefore suitable for use in one-bath dyeing processes for polyester cellulosic and polyester wool blends. Is low foaming and highly effective even at low concentration levels in the dyebath	Sodium poly([naphthalene formaldehyde)sulfonate]	Anionic
475	473	DYTEC-DAN/CONC	Dytec-DAN/conc is a high performance, non-staining dispersing agent for the producing level dye shades on polyester with disperse dyes in high temperature exhaust dyeing systems	1. Does not stain polyester and ensures optimum brightness and color clarity even in pale shades and with fluorescent optical whiteners. 2. Maintains its high dispersing efficiency throughout heating and cooling cycle and so prevents dyestuff agglomeration and surface re-deposition which if often encountered in heavy shades. 3. It has excellent in-built dispersing action on polyester oligomer and can be used as an efficient cleaning agent for oligomer deposits that may have accumulated in the dyeing equipment 4. Maintains a stable dispersion in the presence of high electrolyte concentration and is therefore suitable for use in one-bath dyeing processes for polyester cellulosic and polyester wool blends. Is low foaming and highly effective even at low concentration levels in the dyebath.	Sodium poly([naphthalene formaldehyde)sulfonate]	Anionic
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474	DYTEC-LB	Dytec-LB improves the stability of reactive dye solutions when dyeing cellulosic fibers.	1. Improves the stability of reactive & direct dyes in solution when dyeing cellulosic and PES/CEL blends. 2. Improves dye diffusion and thus levelness. 3. Dissolves and disperses impurities in the fiber. 4. Stable against high salt-concentration & against water-hardness. 5. It is low-foaming.	Alkyl aryl sulphate aqueous preparation.	Anionic	
475	DYTEC-LR	Dytec-LR helps to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers	1. Improves the stability of reactive & direct dyes in solution when dyeing cellulosic and PES/CEL blends. 2. Improves dye diffusion and thus levelness. 3. Dissolves and disperses impurities in the fiber. 4. Stable against high salt-concentration & against water-hardness. 5. It is low-foaming.	Polyaminocarboxylic acid & sulphonic acid salts	Anionic	
476	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. Inesentive to electrolytes. Foam-free. 6. Increased process safety (local acid overdoes avoided). 7. Minimal danger of cauterization in contrast to acids.	Methanoic acid ester of glycol	Non-ionic	
477	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.	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	
478	DYTEC-RLG	Dytec-RLG is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers	1. It controls the liquor exhaustion rate and lowers the rate of fixation during reactive dyeing. Ensures uniform fixation of the dyestuff due to pH regulating effect during the alkali addition. 2. These properties promote level dyeings particularly of cellulose based synthetic fibres such as viscose, lyocell, modal and micro modal. 3. The product has a sequestering effect regarding hardness elements which may be contained in the process water, in the goods and in the electrolyte additives. 4. It has a positive influence on the bicarbonate problem the dyer is faced with in reactive dyeing. 5. The reproducibility of the dyeings is improved. 6. Excellent dispersing power even in case of extreme liquor turbulences.	Polyaminocarboxylic acid & modified condensation product	Anionic	
479	DYTEC-SFD	Dytec-SFD is a multi-functional pre-treatment dyeing auxiliary to enhance complete exhaustion of anionic dye bath such as reactive, direct, sulfur, vat and pigments.	1. Salt free dyeing. 2. Complete exhaustion of dye bath with very deep dark shades. 3. 40-50% reduction of dyeing time for increased productivity. 4. Fewer fixing agents & additives required. 5. Lower water required. 6. Reduced effluent toxicity, no salt in effluent. 7. Little cleaning of equipment for faster turnaround.	Cationic polymer	Cationic	
480	DYTEC-VSB	Dytec-VSB is a unique high temperature stable acid buffer and core alkali neutralizer.	1. Powerful acid buffer. Stable over wide temperature range (30 - 200°C). 2. Ensures and maintains consistent pH and is highly robust and retains its efficiency even at elevated temperatures encountered during the dyeing/print fixation of disperse dyes on polyester. 3. Is viscose safe buffer i.e. it does not damage or burn viscose component of the fabric under normal conditions of dyeing and printing processes. 4. It enables use of even those disperse dyes which are sensitive to alkali or reduction. 5. It improves shade consistency and does not affect brightness of the shade	Blend of organic acids and their salts	Weakly Anionic	
481	FIXER-ALN	Fixer-ALN is highly methylated melamine formaldehyde resin. It is designed for thermosetting surface coatings as a cross linker for primary film former to form a three dimensional thermo set polymer network with high performance properties. This involves the reaction of the functional groups on HM with complementary reactive groups on the primary film former	1. It is a very good cross linking agent. 2. It is used to increase the degree of crosslinking of polymer dispersions and improve the strength characteristics of the finished product. 3. A high degree of crosslinking contributes to increased resistance to wet treatments and solvents, as well as an increase in physical and mechanical properties. 4. The crosslinking reaction occurs at temperatures above 120°C. 5. As a catalyst, an acid additive-ammonia salts or MgCl2 can be used. 6. Practically no trend to white marking. 7. Very good wash fastness & dry cleaning resistance. 8. Long storage stability, when compared with conventional products.	Hexa methyl melamine formaldehyde	Nonionic	
482	REDUCT-ACT	Reduct-ACT is a reducing agent, to be applied in the cooling dye bath at acidic pH.	1. In a cooling acidic dye bath, it has an excellent reducing effect and is very suitable for removing unfixed disperse dyes from dyeing's and prints on polyester substrates. 2. It is Low in odor. 3. With Reduct-ACT, alkalinizing the bath or preparing a fresh post-clearing bath is no longer necessary nor it is necessary to re-acidify the Reduct-ACT bath subsequent to alkaline after treatment. 4. Shortens process time, reduces water and energy consumption and saves cost.	Sulphinic acid derivative aqueous solution	Non-ionic	
483	REDUCT-ECO	Reduct-ECO is a reducing agent, to be applied in the cooling dye bath at acidic pH.	1. In a cooling acidic dye bath, it has an excellent reducing effect and is very suitable for removing unfixed disperse dyes from dyeing's and prints on polyester substrates. 2. It is Low in odor. 3. With Reduct-ECO, alkalinizing the bath or preparing a fresh post-clearing bath is no longer necessary nor it is necessary to re-acidify the Reduct-ECO bath subsequent to alkaline after treatment. 4. Shortens process time, reduces water and energy consumption and saves cost.	Sulphinic acid derivative aqueous solution	Non-ionic	
484	REDUCT-ECO / Conc	Reduct-ECO-Conc is developed as reducing agent, to be applied in the cooling dye bath at acidic pH.	1. In a cooling acidic dye bath it has an excellent reducing effect and is very suitable for removing unfixed disperse dyes from dyeing's and prints on polyester substrates. 2. With Reduct-ECO-Conc, alkalinizing the bath or preparing a fresh post-clearing bath is no longer necessary nor is it necessary to re-acidify the RC bath subsequent to alkaline after treatment. 3. Shortens process time, reduces water and energy consumption and saves cost.	Sulphinic acid derivative	Non-ionic	
485	REDUCT-RC	Reduct-RC is a reducing agent, to be applied in the cooling dye bath at acidic pH.	1. In a cooling acidic dye bath, it has an excellent reducing effect and is very suitable for removing unfixed disperse dyes from dyeing's and prints on polyester substrates. 2. It is Low in odor. 3. With Reduct-RC, alkalinizing the bath or preparing a fresh post-clearing bath is no longer necessary nor it is necessary to re-acidify the Reduct-RC bath subsequent to alkaline after treatment. 4. Shortens process time, reduces water and energy consumption and saves cost.	Sulphinic acid derivative aqueous solution	Non-ionic	
486	REDUCT-RC-PDR	Reduct-RC-PDR it is highly effective, biodegradable reducing agent for alkaline reductive clearing of dyeing's & prints on polyester fabric.	1. High reducing power in alkaline reduction cleaning. 2. Suitable for stripping faulty dyeing's on polyester & cellulosic. 3. Suitable for cleaning soiled units. 4. No oxidative decomposition during storage, no self-ignition. 5. Virtually odorless free flowing powder.	Aminoiminomethanesulfinic acid	Anionic	
487	REDUCT-ZN	Reduct-ZN is used for discharge printing on polyester, nylon and other synthetic fibers.	1. Discharge printing on polyester, nylon and other synthetic fiber.	Zinc formaldehyde sulfoxylate (ZFS)	Nonionic	

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	488	SYLAST-DBL	Sylast-DBL is a preparation and dye bath lubricant to prevent rope marks, creasing and abrasion in cellulosic fabrics and minimize tendency of color streakiness in winch/jet machines; it is also an efficient one-bath scour-dye anti-crease auxiliary for jet processing of polyester	1. Promotes opening of the fabric rope and displacement of folds or creases in cellulosic and polyester. 2. Acts as a lubricant when the fabric rubs against itself or machine parts, and eliminates yarn/fiber abrasion. 3. Has no restraining effect on dyes. 4. Is highly stable to caustic alkali and to high electrolyte concentration making it ideal for application of all dyes on cellulosic fibers & their blends. 5. Has excellent emulsifying properties for residual oils, waxes and enable a single-bath scour-dye process for 100% polyester. 6. Is low-foaming and facilitates smooth running in jet machines with higher machine loading at shorter liquor ratios.	Blend of special phosphate esters	Anionic
491	489	SYLAST-LA	Sylast-LA is a preparation and dye bath lubricant to prevent rope marks, creasing and abrasion in cellulosic fabrics and minimize tendency of color streakiness in winch/jet machines; it is also an efficient one-bath scour-dye anti-crease auxiliary for jet processing of polyester.	1. Promotes opening of the fabric rope and displacement of folds or creases in cellulosic and polyester. 2. Acts as a lubricant when the fabric rubs against itself or machine parts, and eliminates yarn/fiber abrasion. 3. Has no restraining effect on dyes. 4. Is highly stable to caustic alkali and to high electrolyte concentration making it ideal for application of all dyes on cellulosic fibers & their blends. 5. Has excellent emulsifying properties for residual oils, waxes and enable a single-bath scour-dye process for 100% polyester. 6. Is low-foaming and facilitates smooth running in jet machines with higher machine loading at shorter liquor ratios.	Blend of special phosphate esters	Anionic
492	490	ULTRAFIX-UNN	Ultrafix-UNN is a leveling 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
493	491	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.	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
494	492	ALTRAPLEX-PW-30	Altraplex-PW-30 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.	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
495	493	ANTIPL-219	Antipl-219 is a cationic antipil & antislip agent produced by an in situ reaction, which results in stable nano dispersions. It imparts excellent antislip, antipil and antinag characteristics to all fabric substrates i.e. synthetics, cellulose's and their blends.	1. Treated fabric imparts excellent antipil, antislip and antinag properties. 2. It has an excellent antistatic effect on polyester fabric. 3. Treated fabric imparts naturally soft hand without any harshness. 4. Does not affect color fastness and rub fastness properties of the fabric.	Pyrogenic silica sol	Cationic
496	494	ANTIPL-FW-NEW	Antipl-FW-NEW is an anti-slipping & anti-pilling finishing agent with soft handle for all fiber types	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
497	495	ANTISLIP-SP	Antislip-SP is an excellent antislip cum antipil agent. Applicable by exhaust & pad method.	1. Improving seam resistance and resistance to thread slippage of all slippage-prone fabrics, particularly suitable for apparel fabrics like blouses and shirts.	Pyrogenic silica sol	Weakly Cationic
498	496	AQUACOAT-1432	Aquacoat-1432 is a flexible, solvent free aliphatic polyurethane dispersion for use in various applications. It forms a tough and flexible film.	1. It is compatible with a wide range of acrylic emulsions and with alcohols, such as ethanol and isopropanol. 2. Small additions of cross-linkers will improve chemical resistance and mechanical properties.	Aliphatic polyurethane	Anionic
499	497	AQUACOAT-1492	Aquacoat-1492 is an air dry, water-borne urethane, designed for high performance uses, where hardness, flexibility, chemical and abrasion resistance are required. It has excellent UV resistance property thus permitting its use in exterior coating applications such as concrete, metal, plastic, tiles, polycarbonate, marble and wood. It has excellent durability and displays good UV resistance.	1. Its film properties are high in clarity, are hard and flexible. 2. It is resistance to alcohol, water and alkali, abrasion, chemicals and impact. 3. Compatibility with many acrylic emulsions. 4. Good adhesion to many substrates. 5. Adhesion to many substrates.	Aliphatic polyurethane	Anionic
500	498	AQUAFLEX-SB	Aquaflex-SB is a binder and filler for fabrics, knitted goods, chemical bonding of fleeces & nonwovens, for technical textiles and coating.	1. Self-crosslinking binder and filler for all types of textiles fibers, recommended binder for the enhancement of the wash durability of Vector control agent 2. Relatively soft hand feel 3. Resistance to washing and dry cleaning 4. APEO free formulation with good water and solvent resistance.	Acrylic ester copolymer	Anionic
501	499	AQUAREPEL-ZFC	Aquarepel-ZFC is 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 in the market and close to C6 fluorochemicals. To recover the water repellency after laundering, an ironing is not necessary. 2. Very good wash permanency of effect: It can display a wash resistance of more than 20 washes, a performance close to C6 fluoro chemicals and far superior to other fluorine free products. 3. No impact on breathability of the fabric 5. Sustainability: fluorine-free. Ecofriendly 6. Free from PFQs (Perfluorinated) & banned substances	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic
502	500	AQUAREPEL-ZERO-F	Aquarepel-ZERO-F is a long-lasting, fluorine-free water repellent finish targeted to fabrics used in outdoor, leisure and sportswear applications. It is suitable for water repellent finishes on articles e.g. cellulose, synthetic fibers, wool & their blends, without influencing the breathing properties of the material.	1. Water repellency: It offers superior water repellency levels to existing fluorine-free products available in the market and close to C6 fluorochemicals. To recover the water repellency after laundering, an ironing is not necessary. 2. Very good wash permanency of effect: It can display a wash resistance of more than 20 washes, a performance close to C6 fluoro chemicals and far superior to other fluorine free products. 3. Pleasant touch: softness and bulky hand-feel ensures the fabric stays pleasant to the touch. 4. No impact on breathability of the fabric 5. Sustainability: fluorine-free. Ecofriendly 6. Free from PFQs (Perfluorinated) & banned substances	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic
503	501	AQUASORB-AO-PDR	Aquasorb-AO-PDR helps protect indigo dyestuff against ozone fading.	1. Ecofriendly, sustainable antiozone in powder form.	Mixture of organic and inorganic substances	Cationic
504	502	AQUASORB-OZ	Aquasorb-OZ is a fatty acid amido amine softener used to protect indigo dyestuff against ozone fading.	1. This product has low viscosity that lends itself to easy handling in most automated feed systems. It does not carry a red label. 2. It is a complex amido amine phosphate used to protect indigo dyed fabrics and garments against ozone & NOx fading. 3. Economical & Eco-friendly.	Quaternary Ammonium Compound	Cationic
505	503	AQUASORB-TM	Aquasorb-TM is a fabric conditioner imparts durable soil release & anti-soil re-deposition properties to 100% polyester, nylon & its blends under a variety of application conditions. It may be applied before, during or after dyeing. It may be used with disperse & cationic dyes or combination thereof.	1. It enhances the wear ability & ease of care of career apparel & active sportswear. 2. Discomfort of fabric clinging to skin & the dust attracting properties of fabric are overcome. 3. Easy laundering is obtained due to excellent soil release & desolting properties. 4. Remarkably improved moisture transport (water absorption & wicking) is obtained with fabric treated with Aquasorb-TM.	Polymeric hydrophilic	Non-ionic
506	504	CATALYST-EC	Catalyst-EC is an eco-friendly crosslinking agent for pigment printing. It is particularly effective for prints taken on knitted, cellulosic fabrics, polyester / cotton, polyester / viscose and polyamides. Addition of it to a pigment paste enhances its fastness properties especially wet rubbing fastness.	1. Improvement in dry, wet rubbing fastness of pigment prints. 2. Cross-linking polymer. 3. Eco-friendly. 4. Formaldehyde, Meko and Butane Oxime free.	Polyamide derivatives	Non-ionic
507	505	CATALYST-PP-ECO	Catalyst-PP-ECO is an eco-friendly crosslinking agent for pigment printing. It is particularly effective for prints taken on knitted, cellulosic fabrics, polyester / cotton, polyester / viscose and polyamides. Addition of it to a pigment paste enhances its fastness properties especially wet rubbing fastness	1. Improvement in dry, wet rubbing fastness of pigment prints. 2. Cross-linking polymer. 3. Eco-friendly. 4. Formaldehyde, Meko and Butane Oxime free.	Di-isocyanate in water emulsion	Non-ionic
508	506	DENIM FINISH-ANTQ	Denim Finish-ANTQ is designed to give an aged cast to abraded denim garments	1. Pumpable, easy to use liquid. 2. Environmentally friendly. 3. Useful on indigo, direct, reactive and other dyed fabrics.	Blend of organic and inorganic compounds	Nonionic
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	507	DERMASET-BAP	Dermaset-BAP is a special finishing agent for articles made of wool and wool blends for antifelting 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.	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
510	508	FINISH-CO	Finish-CO is a cross-linking polymer for stiff handles. It is used for finishing of Dot Interlining cloth, canvas, buckram, etc. to give maximum stiffness. It imparts a durable finish.	1. It gives stiff or full handle with flexibility, surface smoothness & permanent finish. 2. It is applied by pad, dry & cure process in presence of acid catalysts. 3. It forms dry hard translucent film which is not effected by moisture. 4. Optimum washes fasteners & dry cleaning resistance. 5. It has excellent light & temperature stability	Acrylic polymer	Weakly anionic / non-ionic
511	509	FINISH-IVS	Finish-IVS helps in protecting the indigo-dyed denim against yellowing and for preventing storage yellowing on polyamide. It improves the ozone and gas fume fastness properties of indigo-dyed denim	1. It shows good resistance to salt, acid and alkalis. 2. It is resistant to hard water in long baths. 3. It is an excellent reserving agent when dyeing nylon/cotton blends. 4. Improves the wet fastness of PA dyed with all common dye classes. 5. After treatment to improve the wet fastness of prints on PA. 6. Does not impair light fastness. 7. Can be applied at pH 4.0 - 5.0.	Alkyl aryl sulphonate	Anionic
512	510	FINISH-MF	Finish-MF gives excellent surface softness & smoothness to all type of fabric substrates.	1. Gives excellent surface softness & smoothness to all type of fabric substrates. 2. Outstanding effect from a long liquor when used in small amounts. 3. Improves the mechanical properties of fibers in subsequent processes such as drafting, winding, reeling, knitting etc. 4. Increases the elasticity of textured polyamide crimped yarn. 5. Minimal effect on the light fastness & shade of dyeing's & prints. 6. Resistant to dry heat up to about 215°C & non-yellowing. 7. Improves sewability. 8. Pourable form	Carboxylic acid amide derivative	Cationic
513	511	GLOGARD-A-BC	Glogard-A-BC is durable, halogen free flame proofing agent for polyester fabrics, applicable by back coating methods on automotive textiles, upholstery fabrics and technical textiles	1. It has a high flame retardancy and water resistance. 2. It is halogen & formaldehyde free. 3. It is non-corrosive, no objectionable odor or fumes in the plant, on the goods or during washing. 4. The finish is non-fogging and treated fabrics do not generate any fumes in storage. 5. It imparts a durable, non-hygroscopic, non-corrosive, non-plasticizing & thermally stable flame retardant properties on synthetics and blended technical textiles, compliant with global FR standards like MVSS 302. 6. This finish is stable to the outdoor exposure i.e. UV radiation, heat & humid aging	Acrylic binders & ammonium salt additives	Anionic
514	512	GLOGARD-BKW	Glogard-BKW is non-durable, halogen free flame retardant for 100% cotton and for natural and regenerated cellulosic fibers. It imparts flame and smolder retardant properties to woven and knitted fabrics made of pure cellulosic fibers	1. The finish with Glogard-BKW gives some additional weight to the goods with a fuller handle. 2. It gives good flame- and glow-proofing properties to fabrics, knits and fiber bunches. 3. The flame resistance achieved with it is not resistant to washing and cleaning. 4. Finishes with Glogard-BKW are not suitable for textiles with direct skin contact. 5. It has no fiber affinity.	Mixture of inorganic salts	Anionic
515	513	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
516	514	Glogard-MPP	Glogard-MPP is a halogen free flame retardant with very high thermal stability. It is based on melamine polyphosphate	1. Powder or solid form, stable property, convenient for transportation, storage and use. 2. High P-N content with appropriate proportion, excellent synergistic effect. 3. Glogard-MPP decomposition temperature is ≥ 360°C.	Melamine polyphosphate	Nonionic
517	515	GLOGARD-NDP	Glogard-NDP 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.	1. It is durable to dry cleaning & not to washing. 2. It is suitable for woven, knitted and non-woven fabric substrates. 3. It imparts a soft handle. 4. It is Halogen free.	Phosphonic acid derivative	Nonionic
518	516	GLOGARD-PES-168	Glogard-PES-168 is a dyebath applicable flame retardant enhancer, without giving any negative effect on colour fastness. The flame retardant is unique in allowing durable flame retardant properties to be transferred to polyester yarn and fabrics by simple exhaust techniques. Fabrics treated with it are used in aircraft, automotive & hotels.	1. It improves levelling-out of disperse dyes. 2. It is stable from pH ranging 3.0 - 11.0 and in hard waters up to 500 ppm CaCO3. 3. It Aids oligomer suppression	Aqueous solution of anionic surfactants	Anionic
519	517	GLOGARD-PES-X	Glogard-PES-X is a phosphorus based flame retardant for polyester in exhaust. It is applicable for 100% polyester and its blend with cellulosic, especially blends with wool. It is free from solvents and bromine.	1. It imparts durable flame retardancy when applied during the dyeing process. 2. Can be used in combination with fluorescent whitening agents. No discoloration of white fabrics. 3. Provides a soft and non-greasy handle. 4. It is suitable for loose stock, yarn or piece application at high temperature or atmospheric conditions. 5. To obtain flame retardant properties it can be added to the dyebath. This can be with or without the dyes. 6. No risk of shade change due to extra thermofixation. 7. It is recommended to use Modlev-DPO (Disperser) to ease and ensure an evenly emulsification of the Glogard-PES-X and thus to achieve the optimum result regarding flame retardant properties. 8. In atmospheric or under pressure, carrier can often be removed from a typical dyebath recipe when using Glogard-PES-X and Modlev-DPO.	Based on phosphorus	Non-ionic
520	518	GLOGARD-SPU	Glogard-SPU is a permanent, phosphate ester based flame retardant for PVC & other polymer systems. 10 - 15 % is added in master batch or solvent system to achieve flame retardant properties.	1. Glogard-SPU is flame retardant for PVC, Rigid PU, Flexible PU, TPU, Epoxy resin, Phenolic resin.	Aryl phosphate	Nonionic / weakly anionic
521	519	GLOGARD-SPW	Glogard-SPW is an organo phosphorous compound for wash permanent, flame retardant finishing of textiles made from Polyester fibers.	1. Flame retardant for polyester and PU coating. 2. Effect achieved is fast to washing & dry cleaning. 3. High resistance to laundering and dry cleaning 4. Low volatility and good compatibility to major polymer. 5. Good retention of handle and drape after processing. 6. Non-toxicity and high safety. 7. Readily combined with other additives such as water & oil repellent finish etc. 8. Meets low fogging requirement for automotive goods. 9. It should be pre-diluted with water. 10. Can be used either alone or in combination with binder.	Organo phosphorus compound	Nonionic
522	520	GLOGARD-UPR				
523	521	GLOGARD-UNI	Glogard-UNI is durable, halogen free flame proofing agent for polyester fabrics and its blend with cellulosic(B0/20), applicable by back coating methods on automotive textiles, upholstery fabrics and technical textiles.	1. It has a high flame retardancy and water resistance. 2. It is halogen & formaldehyde free. 3. It is non-corrosive, no objectionable odor or fumes in the plant, on the goods or during washing. 4. The finish is non-fogging and treated fabrics do not generate any fumes in storage. 5. It imparts a durable, non-hygroscopic, non-corrosive, non-plasticizing & thermally stable flame retardant properties on synthetics and blended technical textiles, compliant with global FR standards like MVSS 302. 6. This finish is stable to the outdoor exposure i.e. UV radiation, heat & humid aging	Carboxylate polymer & phosphorous compound	Anionic
524	522	GLOGARD-VR	Glogard-VR is an organic phosphorous halogen-free flame retardant having the dual functions of plasticizing and flame retardant. It can be used as a flame retardant for viscose fibre and has spin ability. For long and short filaments, adding Glogard-VR before spinning has permanent washing resistance.	1. It has the dual effects of plasticizing and flame retardant. 2. It effectively avoids the toxic gas and corrosiveness generated by halogen flame retardants. 3. Fast heat absorption, full coverage, strong suppression performance can achieve fast flame retardancy. 4. Free from organic phosphorous halogen.	Organo phosphorous compound	Nonionic
525						

	A	B	C	D	E	F
526	523	GLOGARD-VR-CONC	Glogard-VR-Conc is a concentrated organic phosphorous halogen-free flame retardant having the dual functions of plasticizing and flame retardant. It can be used as a flame retardant for viscose fibre and has spin ability. For long and short filaments, adding Glogard-VR-Conc before spinning has permanent washing resistance.	1. It has the dual effects of plasticizing and flame retardant. 2. It effectively avoids the toxic gas and corrosiveness generated by halogen flame retardants. 3. Fast heat absorption, full coverage, strong suppression performance can achieve fast flame retardancy. 4. Free from organic phosphorous halogen.	Organic phosphorous compound	Nonionic
527	524	LUBASSIST-109-ECO	Lubassist-109-ECO is an anionic crease preventing agent / dyebath lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units.	1. It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers. 2. It is used in pretreatment, dyeing and after treatment. 3. Suitable for jet application. 4. Stable at temperatures up to 135°C. 5. Good stability to alkali and electrolytes. 6. Low foaming.	Fatty sulphionate preparation	Anionic
528	525	NEUTROX-PAT	Neutrox-PAT is a high performance composition designed for treating fabrics & garments from yellowing due to storage conditions	1. It is used as stabilizers in fiber production, textile processing and packing materials (e.g. polyethylene wrapping films, packing material in general). 2. It is low in cost and highly effective.	Sulfonic acid salt	Anionic
529	526	NORAC-DBSP/CONC	Norac-DBSP-Conc is a weakly anionic polyester copolymer dispersion. It is designed as an anti-redeposition, dispersing and suspending additive in standard garment wash.	1. It provides superior soil release properties to polyester and polyester/cotton fabrics. 2. It minimizes staining of pocketing and labels and keeping filling whiter. 3. It is enzyme compatible and used as a back stain preventing agent for denims and garment processing. 4. It is readily dispersible in water to allow for friendlier handling formulations.	Polyester co-polymer	Weakly anionic
530	527	NORAC-ZB-PRO	Norac-ZB-PRO is APEO free with good detergency, excellent soil dispersing efficiency and wetting properties. It has excellent dispersing, suspending and anti-redeposition properties minimizing staining of pocketing and labels and keeping filling whiter. The dispersing property of product minimizes likelihood of agglomeration, scaling and re-depositions of process solubilized contaminants. It is enzyme compatible and used as a back stain preventing agent for denims and garment processing.	1. It has good detergency and excellent soil-dispersing capacity. It is mainly used in household, industrial and institutional detergents and cleaners. 2. It performs well in heavy-duty laundry detergents in medium and high temperature ranges. It also improve the flowability of detergent powders. 3. It also performs very well in aqueous cleaner formulations and formulations based on mixtures of water and organic solvents. 4. It has excellent resistance to hard water, and their dispersing capacity for lime soaps is very high. 5. It is distinguished by its high wetting and detergency, combined with moderate foam formation. It is a particularly appropriate choice for heavy-duty and light-duty laundry detergents in powder or liquid form, and for industrial cleaners. 6. It can be used in aqueous cleaners and cleaners based on a mixture of water and organic solvents. 7. It has an excellent dispersing and anti re-deposition properties, minimizing staining of pocketing and labels and keeping filling whiter. The dispersing properties of Norac-ZB-PRO minimize likelihood of agglomeration, scaling and re-deposition of process / solubilized contaminants. 8. It is compatible with B - amylase and cellulose enzymes in garment process applications. It can be used as both wetting and dispersing in desize abrasion and clean up after enzymatic abrasion / bleaching.	Based on fatty alcohol ethoxylate	
531	528	PERMAFIN-5958	Permafin-5958 is Nano-dispersion self-crosslinking polyether polyurethane for high-grade finishing applications.	1. Nano-emulsion for optimal distribution over and penetration into the fabric. 2. Forms a film around and between fibers. 3. Yields unique properties and application possibilities. 4. Anti-pilling treatments. 5. Upgrade of resin finish treatments. 6. Increased durability of selected softeners and resin finishes. 7. Durable hydrophilic finishes on all fibers. 8. Improved wet and dry rub fastness.	Water soluble polyurethane	Non-ionic
532	529	PERMAFIN-6576	Permafin-6576 is used in labelling processes (Transfer Coatings), direct application on fabric, spray application and rotogravure.	1. It presents a strongly elastic film of high intensity and very soft. 2. High hydrolysis and temperature resistance. 3. Surfactants Free and low VOC. 4. Stable in acid and alkaline solutions. 5. Product has good stability if stored properly under normal conditions & away from sunlight	Aliphatic Polyurethane dispersion	Non-ionic
533	530	PERMAFIN-6577	Permafin-6577 is used in labelling processes (Transfer Coatings), direct application on fabric, spray application and rotogravure.	1. Indication of use as adhesive for laminating the substrate. 2. Indicated as an adhesive for the High Solids line, due to its high performance. 3. Features a soft and elastic medium film. 4. Free from NMP or NEP. 5. Good resistance to hydrolysis and high temperatures. 6. Very suitable as an adhesive for transfer processes Coatings in general. 7. Product has good stability if stored properly under normal conditions & away from sunlight.	Aliphatic Polyurethane dispersion	Anionic
534	531	PERMAFIN-6578	Permafin-6578 is used in Transfer Coatings, direct application on fabric and rotogravure.	1.It presents a strongly elastic film of high intensity and medium hardness. 2. High resistance to hydrolysis and temperature. 3. Free of NMP and NEP. 4. Low VOC. 5. Product has good stability if stored properly under normal conditions & away from sunlight	Aliphatic Polyurethane dispersion	Anionic
535	532	PERMAFIN-6579	Permafin-6579 is used in Transfer Coatings, direct application on fabric by stenter, spray application and roto	1. It can be used by direct application or by transfer of silicone base. 2.It can be used as a surface coating on PVC, as a colored coating on thermoset plastics or as a protective coating on metallized ABS. 3. Free of NMP and NEP. 4. Excellent light fastness. 5. Product has good stability if stored properly under normal conditions & away from sunlight. 6. Recommendation for end – use: Wood, Concrete, Metal, Concrete floor coatings.	Aliphatic Polyurethane dispersion	Anionic
536	533	PERMAFIN-6663	Permafin-6663 is a one pack polyurethane-aliphatic resin dispersion designed to yield a coating system and allied products, requiring a high degree of acid/alkali and household chemical resistance. It is resistant to impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion on various substrates. It has a low glass transition temperature and has a flexural endurance.	1. Suitable for mixed PU / PVC articles. 2. It features a high-intensity, medium-soft elastic film with good anchorage on various substrates. 3. High temperature resistance. 4. It has good compatibility with the most common acrylic binders, but can be tested in advance. 5. It is compatible with the entire range of our polyurethane. 6. Product has good stability if stored properly under normal conditions & away from sunlight. 7. It is used in Pre Skin (can be tested as Skin too).	Aqueous dispersion of Urethane pre-polymer & aliphatic olefin	Non-ionic
537	534	PERMAFIN-6784				
538	535	PERMAFIN-AAR	Permafin-AAR is a one pack polyurethane-aliphatic resin dispersion designed to yield a coating system and allied products, requiring a high degree of acid/alkali and household chemical resistance. It is resistant to impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion to concrete. It has a low glass transition temperature and has a flexural endurance.	1. Tough (soft and flexible), clear and non-yellowing. 2. It has a low level of thermoplasticity. 3. It is both chemical and abrasion resistant. 4. Elongation at Break :500%, UTS:200 Kg/cm2. 5. Gloss at 45-45.	Urethane pre-polymer	Nonionic
539	536	PERMAFIN-BZ	Permafin-BZ is a softener for cellulosic fibers and their blends with synthetics.		Aliphatic polyester polyurethane dispersion in water	Anionic
540	537	PERMAFIN-BPE	Permafin-BPE 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.	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. 8. Very good absorbency & can be used for moisture management & cool finish.	Aqueous preparation of a modified polyether polyurethane	Weakly cationic
541	538	PERMAFIN-EPU	Permafin-EPU is Nano-dispersion self-crosslinking polyether polyurethane for high-grade finishing applications	1. Nano-emulsion for optimal distribution over and penetration into the fabric. 2. Forms a film around and between fibers. 3. Yields unique properties and application possibilities. 4. Special finishing. 5. Can be used to obtain special handle modifications. 6. Anti-pilling treatments. 7. Upgrade of resin finish treatments. 8. Increased durability of selected softeners and resin finishes. 9. Durable hydrophilic finishes on all fibers. 10. Improved wet and dry rub fastness.	Aqueous preparation of a modified polyether polyurethane	Non-ionic

	A	B	C	D	E	F
539		PERMAFIN-PSU	Permafin-PSU is a one pack polyurethane-aliphatic resin dispersion designed to yield a coating system and allied products, requiring a high degree of acid/alkali and household chemical resistance. It is resistant to impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion to concrete. It has a low glass transition temperature and has a flexural endurance.	1. Tough (soft and flexible), clear and non-yellowing. 2. It has a low level of thermoplasticity. 3. It is both chemical and abrasion resistant. 4. Elongation at Break -500%, UTS-200 Kg/cm2. 5. Gloss at 45 -45.	Urethane pre-polymer	Nonionic
540		PERMAFIN-PU-107	Permafin-PU-107 is a one pack urethane-resin designed to yield a coating system and allied products, having a very high degree of flexibility, household chemical resistance. It is resistant to dry & wet rub fastness, impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion to concrete. It has a low glass transition temperature and has a flexural endurance.	1. It provides soft yet strong and high extension characteristics. 2. It provides an excellent film formation on any releasing paper. 3. Does not cause repelling and pin-holes during coating. 4. Provides stretch-back property of polyurethane's characteristics. 5. It has a functional group necessary for self-emulsification, when the finish requires resistance to water, moisture heat and heat 6. Excellent heat stability and against hydrolysis. 7. Non-yellowing, very good light fastness, least color change by NOx gases. 8. It yields a very stable emulsion, thus stable to the process. 9. It has a low level of thermoplasticity. 10. Elongation at Break -600%, UTS-175 Kg/cm2. 11. It is non-hazardous and non-toxic, thus Ecofriendly.	Polyurethane resin	Anionic
541		PERMAFIN-PU-339	Permafin-PU-339 forms a tough, flexible, non-tacky and transparent film. It is single component water dispersed polyurethane coating having medium hard properties for use in the formulation of undercoats, adhesives, coatings, binders & finish coating.	1. It can be used with pigments & fillers. 2. It has good tensile, tear strength, high elongation & Good gloss properties 3. Gives medium hard surfaces with excellent mechanical properties and high water resistance.	Aliphatic Polyester Urethane	Anionic
542		PERMAFIN-PU-4122	Permafin-PU-4122 is a single pack aliphatic urethane-resin designed to yield a coating system and allied products with a smooth soft feel, requiring a high degree of flexibility, household chemical resistance, abrasion and impact resistance, dry & wet rub fastness stain resistance flexural endurance, degradation resistance to weathering elements, ultra violet ray stability, high water resistance, cold cracking resistance, outstanding adhesion, low glass transition temperature and saponification resistance.	1. It forms a very soft, non-tacky and highly elastic film with excellent light fastness. 2. It does not contain organic solvents. 3. It foams very well when using static and dynamic mixers. 4. It is well tinted with pigments.	Aliphatic urethane-resin	Anionic
543		PERMAFIN-WCO	Permafin-WCO is a one pack polyurethane-aliphatic resin dispersion designed to yield a coating system and allied products, requiring a high degree of acid/alkali and household chemical resistance. It is resistant to impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion to concrete. It has a low glass transition temperature and has a flexural endurance.	1. Tough (soft and flexible), clear and non-yellowing. 2. It has a low level of thermoplasticity. 3. It is both chemical and abrasion resistant. 4. Elongation at Break -500%, UTS-200 Kg/cm2. 5. Gloss at 45 -45.	Urethane pre-polymer	
544		PERMAFIN-PUM	Permafin-PUM 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	1. Additive for low-formaldehyde resin finishing. 2. Handle modifying agent gives 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. 8. Very good absorbency & can be used for moisture management & cool finish.	Aqueous preparation of a modified polyether polyurethane	Weakly cationic
545		PERMAFIN-SAR/Conc	Permafin-SAR-Conc is a reactive concentrated polyurethane resin emulsion for finishing of various kinds of textile fabrics. The polyurethanes are mainly used for anticrease and anti-shrinkage finish of P/C, P/V, cotton and other fabrics	1. It gives excellent softness to rayon, polyester/rayon and polyester/cotton fabrics. 2. It gives excellent non-shrinkage and non-crease (anti-crease) properties to fabrics when it is applied in combination with thermosetting resins such as glyoxal resin. 3. It does not give yellowing trouble when used for finishing white fabrics. 4. It does not give bad effect to the fastness of dyed fabrics. 5. It gives the brilliancy to the dark color/shade of the dyed fabrics i.e. it increases the color value of fabrics when used for finishing.	Polyurethane resin	Amphoteric
546		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.	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
547		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	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
548		PROFINISH-HDNI/CONC	Profinish-HDNI-Conc is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types.	1. It maintains gloss. 2. It reduces coefficient of friction & enhances rub & scratch resistance. 3. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 4. It produces a very soft, smooth handle & facilitates making up operations. 5. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 6. It eases needle penetration considerably when needling non-woven and felts. 7. It is low-foaming, therefore suitable for application in jets.	Aqueous dispersion of aliphatic polyolefin	Weakly cationic / non-ionic
549		PROFINISH-HDPE	Profinish-HDPE is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types	1. It maintains gloss. 2. It reduces coefficient of friction & enhances rub & scratch resistance. 3. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 4. It produces a very soft, smooth handle & facilitates making up operations. 5. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 6. It eases needle penetration considerably when needling non-woven and felts. 7. It is low-foaming, therefore suitable for application in jets.	Aqueous dispersion of aliphatic polyolefin	Non-ionic
550		PROFINISH-LU/CONC	Profinish-LU-Conc is a non-ionic crease prevention agent/dyebath lubricant for woven and knitted goods made of all types of natural and synthetic fibers and their blends for use in pretreatment, dyebath and after treatment.	1. Non-foaming. 2. High resistance to alkali and electrolytes. 3. Suitable for application on jet dyeing units (cationic and anionic liquors). 4. Can be diluted with cold water, forms stable stock solutions. 5. For cellulosic fibers, wool, acrylics, polyamide, polyester and blends of these fibers. 6. For use in pretreatment, dyeing and after treatment. 7. Low foaming. Stable temperatures up to 135°C.	Fatty acid ester preparation	Non-ionic
551		PROFINISH-M-HD	Profinish-M-HD is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types.	1. Designed for application by padding & exhaust methods in short liquor jets. 2. It maintains gloss. 3. It reduces coefficient of friction & enhances rub & scratch resistance. 4. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 5. It produces a very soft, smooth handle & facilitates making up operations. 6. It does not affect the whiteness of brightened goods. 7. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 8. It eases needle penetration considerably when needling non-woven and felts. 9. It is low-foaming, therefore suitable for application in jets.	Polyethylene wax derivatives	Weakly cationic / non-ionic

	A	B	C	D	E	F
552	552	PROFINISH-NF	Profinish-NF is a cationic sewability improver for textile fabrics of cellulose, synthetic or wool fibers and their blends.	1. Specially designed for application by the exhaust method in short liquor jets. 2. Improves the sewability of textile fabrics, especially knitwear. 3. Imparts an excellent soft handle. Facilitates garments manufacture. 4. Is easy to handle. 5. Is low-foaming, therefore suitable for application in jets.	Aqueous dispersion of aliphatic polyolefin	Cationic
555	553	PROFINISH-NI-SPL/CONC	Profinish-NI-SPL-Conc is a non-yellowing, non ionic softener .	1. It Does not adversely affect the soiling properties of synthetics or cellulose and can be used alongside Aquasorb in an anti-soiling finish. 2. scorch-resistant softener for application to cottons, cellulose and their blends with polyester; the finished fabrics also achieve a smooth silky hand.	Based on fatty acid esters	Non-ionic
556	554	PROFINISH-NPF	Profinish-NPF is a wet waxing and softening agent for the finishing of yarns made of synthetic fibers, wool and their blends.	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
557	555	PROFINISH-NS-100	Profinish-NS-100 is a non-ionic softener which gives property of softening and smoothness to all kinds of cotton and synthetic fabrics.	1. It imparts a soft smooth and pleasing handle to the treated fabrics. 2. It also imparts a silky feel on cotton, rayon silk and their blends.	Fatty acid ethoxylate	Non-ionic
558	556	PROFINISH-PE	Profinish-PE is a non-ionic polyethylene emulsion used as softener to give body building properties to the fabrics.	1. It increases the tear strength and abrasion resistance of fabrics treated with resins. 2. It can be use alone as a softener or along with non-ionic softener like Modfinish-N-200 and or with Silicone Emulsion PMH to give excellent finishing properties. 3. Since Profinish-PE is non-chlorine retentive it does not yellow at the baking temperature employed in the finishing process.	Based on non-ionic polyethylene emulsion	Non-ionic
559	557	PROFINISH-PHD	Profinish-PHD is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types.	1. Designed for application by padding & exhaust methods in short liquor jets. 2. It maintains gloss. 3. It reduces coefficient of friction & enhances rub & scratch resistance. 4. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 5. It produces a very soft, smooth handle & facilitates making up operations. 6. It does not affect the whiteness of brightened goods. 7. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 8. It eases needle penetration considerably when needling non-woven and felts. 9. It is low-foaming, therefore suitable for application in jets.	Aqueous dispersion of aliphatic polyolefin	Weakly cationic
560	558	PROFINISH-POE	Profinish-OE is a softening agent to improve sewability of open-end yarns.	1. For cellulosic, wool and blends of these fibers with synthetics. 2. Improves sewability, especially of open-end yarns. 3. Improves the elasticity of knitted fabrics. 4. Extremely smooth, silky handle. 5. Suitable for jet application. 6. Low foaming.	Fatty acid condensation product/ polyethylene derivative	Cationic
561	559	PROFINISH-SKL	Profinish-SKL is a softener for cellulosic fibers and their blends with synthetics.	1. Very good softening effects, also on mercerized cotton. 2. No impairment of hydrophilic properties. 3. Promotes mechanical shrinkage of knitwear. 4. Suitable for pretreatment of prints. 5. Suitable for white goods. 6. Single-bath application in connection with fluorescent whitening agents. 7. Improvement of sewability.	Based on quaternary ammonium softener & silicone	Cationic
562	560	PROFINISH-SVN	Profinish-SVN is fine polyethylene dispersion (Hard polyethylene wax). It improves the sewing performance of the treated knitted fabrics. It has a soft and smooth hand at the same time, without sublimation and thermal migration, without affecting the whiteness, and can greatly improve the fluffing effect. It is suitable for padding process	1. Improve sewing performance: It improves the slip between yarns, thereby improving the sewing performance of knitted and other structured textiles. The fibers or yarns of the treated fabric can slide off the sewing needle very easily, reducing the friction between fibers/metals. This allows the fabric to be easily threaded through the sewing needle without excessive heat generation. As a result, problems such as holes, needle damage, and needle thread breakage on high-speed sewing machines can be largely avoided. 2. Feel: It imparts a smooth, smooth, soft hand to the fabric. This kind of performance is not only very popular with garment sewers, but also very popular by consumers. It can also be used in the same bath with other softeners and silicone elastomers to obtain a different feel. 3. Effects on white goods: It does not affect the whiteness of brightened fabrics.	Polyethylene dispersion	Non-ionic
563	561	PROFINISH-TS-NI	Profinish-TS-NI is a fine dispersion of high density polyethylene wax (Hard polyethylene wax). Non-ionic softener and sewability improver for textile goods for all types of fibers.	1. Eases needle penetration considerably when needling non-woven and felts 2. Decreases coefficient of friction. 3. Enhanced rub & scratch resistance. 4. High melting point. 5. Distinctly improves the sewability of woven and knitted fabrics. 6. Produces a very soft, smooth handle. 7. Facilitates making up operations. 8. Does not affect the whiteness of brightened goods. 9. Improves the abrasion resistance of resin finished goods. 10. Noticeably improves the effect on raised goods.	Polyethylene wax emulsion	Weakly cationic / non-ionic
564	562	QUENCH-IVS	Quench-IVS helps in protecting the indigo-dyed denim against yellowing and for preventing storage yellowing on polyamide. It improves the ozone and gas fume fastness properties of indigo-dyed denim	1. It shows good resistance to salt, acid and alkalis. 2. It is resistant to hard water in long baths. 3. It is an excellent reserving agent when dyeing nylon/cotton blends. 4. Improves the wet fastness of PA dyed with all common dye classes. 5. After treatment to improve the wet fastness of prints on PA. 6. Does not impair light fastness.	Alkyl aryl sulphonate	Anionic
565	563	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
566	564	SANIGUARD-500	Saniguard-500 is an anti-microbial agent imparts durable, broad spectrum, bio-static activity to the surface of a wide variety of substrates. It is leach resistant & non-migrating & is not consumed by microorganisms. Effective against gram positive & gram negative bacteria, fungi, algae & yeast's	1. It is an anti-microbial agent imparts durable, broad spectrum, bio-static activity to the surface of wide variety of substrates. 2. It is non-leach & non-migrating & is not consumed by microorganisms. 3. It is effective against gram positive and gram-negative bacteria, fungi, algae & yeasts. Anti-microbial action is exhibited on contact in the presence of moisture. 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 quaternary ammonium compound	Cationic
567	565	SANIGUARD-7500-72	Saniguard-7500-72 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 anti-microbial imparting broad spectrum, bio-static activity to the surface of 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, algae & yeasts. Anti-microbial action is exhibited on contact in the presence of moisture. 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
568						

	A	B	C	D	E	F
569	566	SANIGUARD-7500-M	Saniguard-7500-M 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
570	567	SANIGUARD ACTIVE	Saniguard Active is durable non-hydrophobic anti-microbial agent imparts durable, broad spectrum, bio-static activity to the surface of a wide variety of substrates. It is leach resistant & non-migrating & is not consumed by microorganisms. Effective against gram positive & gram negative bacteria, fungi, algae & yeast's	1. It is durable non-hydrophobic anti-microbial agent imparts durable, broad spectrum, bio-static activity to the surface of wide variety of substrates. 2. It is non-leach & non-migrating & is not consumed by microorganisms. 3. It is effective against gram positive and gram-negative bacteria, fungi, algae & yeasts. Anti-microbial action is exhibited on contact in the presence of moisture. 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). 8.Does not impair hydrophilicity of treated fabric.	Silane quaternary ammonium compound	Cationic
571	568	SANIGUARD-RTU	Saniguard-RTU is a powerful anti-microbial when appropriately used, effectively inhibits the growth of bacteria, fungi, yeasts and viruses on the treated surfaces of most substrates based on hospital clinical trials and independent studies.	1. It is a water-based, contains no harsh solvents. 2. Bleach-free & alcohol-free. 3. Will not leach or wash off once applied. 4. Non-flammable. 5. It is one-step disinfectants and antimicrobial cleaners for hospitals, schools and homes. 6. It can be used on almost any surface and are tailored for consumer packaged goods and remediation as effective, user-friendly, end-use products. 7. It is ideal for a wide variety of usages in different markets and is water-based and environmentally-friendly. 8. It can be used on cell phones, scrubs, masks, medical textiles, PPEs, medical equipment, stethoscopes etc. 9. Effectively inhibits the growth of bacteria, fungi, yeasts and certain viruses on the treated surfaces of most substrates based on hospital clinical trials and independent studies 10. One spray application of it is all it takes on many indoor surfaces, carpets, fabrics, etc. to provide an "invisible" protective shield that will inhibit bacteria that cause odor, staining, and discoloration such as mold, mildew, fungi, and algae for up to 90 days. Once properly applied, the active ingredient forms a protective and invisible layer on the surface and becomes an integral part of the surface. It also prevents deterioration caused by these bacteria.	Silane quat ammonium compound	Cationic
572	569	SANIGUARD-ZOM	Saniguard-ZOM possesses high activity, broad spectrum antimicrobial properties (against bacteria, fungi, and algacide). It offers antimicrobial protection in the wet and in the dry film state.	1. It is a color stable, fine particle dispersion (in water) of zinc pyrithione. 2. It inhibits the growth of fungi, both yeasts and molds. 3. It inhibits the growth of algae. 4. It inhibits the growth of a broad spectrum of both Gram positive and Gram negative bacteria	Zinc omadine / zinc complex of pyrithione	Non-ionic
573	570	SANIGUARD-ZP-D	Saniguard-ZP-D is used as a hygienic finish for textile protection against house dust mites, mildew and rotting. It has highly efficient anti-microbial & anti-fungal properties.	1. Material protection: The development of mold stains is thoroughly stopped. 2. Combination with a hydrophobic agent can achieve rot-resistance. 3.Carability: Microbial damage on the fibers is prevented and their functional properties preserved; the useful life of a consumer article is considerably longer. 4. Treated textiles are protected from unpleasant odors and offer greater comfort. 5. Broad spectrum of antimicrobial activity against mildew, yeast, bacteria as well as an excellent effect against MRSA. 6. Good thermal and chemical stability. 7. Suitable for all substrates and good compatibility with numerous textile chemicals (fluorocarbons, binders, softeners, etc.) 8. Water-based, solvent-free formula without AOX and dermatologically safe. 9. Application in exhaust, padding and in the dye bath.	Pyrithione derivative	Weakly Anionic / Non-ionic
574	571	SANIGUARD-ZP-PDR	Saniguard-ZP-PDR is used as a hygienic finish for textile protection against house dust mites, mildew and rotting. It has highly efficient anti-microbial & anti-fungal properties.	1. Material protection: The development of mold stains is thoroughly stopped. 2. Combination with a hydrophobic agent can achieve rot-resistance. 3.Carability: Microbial damage on the fibers is prevented and their functional properties preserved; the useful life of a consumer article is considerably longer. 4. Treated textiles are protected from unpleasant odors and offer greater comfort. 5. Broad spectrum of antimicrobial activity against mildew, yeast, bacteria as well as an excellent effect against MRSA. 6. Good thermal and chemical stability. 7. Suitable for all substrates and good compatibility with numerous textile chemicals (fluorocarbons, binders, softeners, etc.) 8. Water-based, solvent-free formula without AOX and dermatologically safe. 9. Application in exhaust, padding and in the dye bath.	Pyrithione derivative	Nonionic
575	572	SANIGUARD-ZP-X	Saniguard-ZP-X is used as a hygienic finish for textile protection against house dust mites, mildew and rotting. It has highly efficient anti-microbial & anti-fungal properties.	1. Material protection: The development of mold stains is thoroughly stopped. 2. Combination with a hydrophobic agent can achieve rot-resistance. 3.Carability: Microbial damage on the fibers is prevented and their functional properties preserved; the useful life of a consumer article is considerably longer. 4. Treated textiles are protected from unpleasant odors and offer greater comfort. 5. Broad spectrum of antimicrobial activity against mildew, yeast, bacteria as well as an excellent effect against MRSA. 6. Good thermal and chemical stability. 7. Suitable for all substrates and good compatibility with numerous textile chemicals (fluorocarbons, binders, softeners, etc.) 8. Water-based, solvent-free formula without AOX and dermatologically safe. 9. Application in exhaust, padding and in the dye bath.	Pyrithione derivative	Non-ionic
576	573	STABILITE-OMC	Stabilite-OMC is a durable ultra violet protection finish to fabric. It is a very broad spectrum UV filter with max absorption in the UVB region and some in the UVA region of the UV spectrum.	1. Durability of minimum 15 washes depending upon required application. 2. As-is application is recommended only on polyamides e.g. nylon, wool, silk and acrylics. Combination of it with a binder is required for giving durable finish on cotton, polyester, rayon etc. 3. It can be used in Sizing press for Paper applications for closed loop system and also within printing ink pastes. 4. Encapsulation makes it safer to handle and safer for the environment as unregulated discharge into the waterbodies can be avoided. It is expected to be safer on the skin and safer for the marine environment.	Bio degradable shell with vitamin	Weakly anionic
577	574	STABILITE-UVC	Stabilite-UVC is a light fastness improver for polyester and cotton fabrics.	1. It is a product newly developed as a light fastness improving agent for use on polyester fabric (disperse dyes for regular polyester, cationic dye for CD polyester) and imparts when applied with dyebath superior light fastness as evaluated by 83°C x 200 - 300 hrs. tests on high temperature fade-o-meter. 2. It is featured with high temperature dispersing characteristics in addition to its outstanding exhausting properties. These features prevents the scum formation and equipment staining that otherwise occur during the treatment. 3. It is available in highly micronized particles which makes it suitable for use in treating the cheeses.	Preparation of benzotriazole	Nonionic
578	575	SYLAST-11903	Sylast-11903 is a hydrocarbon and antistat based product for application as a lubricant for sewing threads, yarns and fibers. It is suitable for all types of synthetic textiles and blends.	1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems. 2. Reduces coefficient of friction with improved luster. 3. It is efficient for high speed sewing lines. 4. It is low in odor. 5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems.	Complex blend of paraffin and surfactants	Nonionic

	A	B	C	D	E	F
576	SYLAST-FRS		Sylast-FRS is used as a wet waxing of knitting, warp-knitting and weaving yarns. Universal in use for all types of fibers, especially for textured PES yarns.	<ol style="list-style-type: none"> <li>1. Lubricant easy in use for the exhaust method.</li> <li>2. Very good gliding properties of the lubricated yarns with low friction coefficients.</li> <li>3. Even lubrication along the whole bobbin cross section.</li> <li>4. Greatly reduced static charge.</li> <li>5. Little fiber fly.</li> <li>6. Low emission, approved for the automotive industry.</li> <li>7. Stable against pH, salts and anionic residues in the lubrication bath.</li> <li>8. Can be removed completely through washing at 60°C with non-ionic detergent.</li> </ol>	Emulsion of paraffin waxes	Weakly cationic / non-ionic
579	577	SYLAST-LDK	Sylast-LDK is an anionic crease preventing agent / dyebath lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units.	<ol style="list-style-type: none"> <li>1. It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers.</li> <li>2. It is used in pretreatment, dyeing and after treatment.</li> <li>3. Suitable for jet application.</li> <li>4. Stable at temperatures up to 135°C.</li> <li>5. Good stability to alkali and electrolytes.</li> <li>6. Low foaming.</li> </ol>	Fatty sulphonate preparation	Anionic
580	578	SYLAST-NATL	Sylast-NATL is a water free lubricant for application by cold lick roller or dosing pumps at a final winder. The lubricant is suitable for all types of sewing threads, particularly for PES/CO & CO & embroidery yarns made from CV & PES. A pick-up of 4-6% is recommended.	<ol style="list-style-type: none"> <li>1. It gives very good smoothing properties with low level of tension peaks over thread guides &amp; tensioning devices.</li> <li>2. It provides protection against heat &amp; very good sewability.</li> <li>3. Prevents static charge.</li> <li>4. Shows no yellowing when exposed to nitrogen oxides during storage.</li> <li>5. Does not contaminate waste water when correctly used</li> </ol>	Water free formulation of silicone, waxes & additives	Nonionic
581	579	SYLAST-PYL	Sylast-PYL is a hydrocarbon and antistat based product for application as a lubricant for sewing threads, yarns and fibers. It is suitable for all types of synthetic textiles and blends	<ol style="list-style-type: none"> <li>1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems.</li> <li>2. Reduces coefficient of friction with improved luster.</li> <li>3. It is efficient for high speed sewing lines.</li> <li>4. It is low in odor.</li> <li>5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems.</li> </ol>	Complex blend of paraffin and surfactants	Nonionic
582	580	SYLAST-SBL	Sylast-SBL is a polysiloxane based product for application as sewing thread lubricant. It is suitable for all types of synthetic textiles and blends.	<ol style="list-style-type: none"> <li>1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems.</li> <li>2. Reduces coefficient of friction with improved luster.</li> <li>3. It is efficient for high speed sewing lines.</li> <li>4. It is low in odor.</li> <li>5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems</li> </ol>	Based on polysiloxane	Nonionic
583	581	SYLAST-SEW	Sylast-SEW is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax) & softeners. It is a handle modifier and sewability improver for textile goods of all types.	<ol style="list-style-type: none"> <li>1. Decreases coefficient of friction.</li> <li>2. Distinctly improves the sewability of woven and knitted fabrics.</li> <li>3. Facilitates making up operations.</li> <li>4. Improves the abrasion resistance of resin finished goods.</li> <li>8. Noticeably improves the effect on raised goods.</li> <li>9. Eases needle penetration considerably when needling non-woven and felts.</li> <li>10. Improvement of sewability &amp; Improved dimensional stability.</li> </ol>	Wax and specialty surfactant	Weakly cationic / non-ionic
584	582	SYLAST-WWTS	Sylast-WWTS is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types.	<ol style="list-style-type: none"> <li>1. Designed for application by padding &amp; exhaust methods in short liquor jets.</li> <li>2. It maintains gloss.</li> <li>3. It reduces coefficient of friction &amp; enhances rub &amp; scratch resistance.</li> <li>4. It distinctly improves the sewability of woven and knitted fabrics &amp; minimizes seam slipping.</li> <li>5. It produces a very soft, smooth handle &amp; facilitates making up operations.</li> <li>6. It does not affect the whiteness of brightened goods.</li> <li>7. It improves the tear strength &amp; abrasion resistance of resin finished goods and the effect on raised goods.</li> <li>8. It eases needle penetration considerably when needling non-woven and felts.</li> <li>9. It is low-foaming, therefore suitable for application in jets</li> </ol>	Aqueous dispersion of aliphatic polyolefin	Weakly cationic
585	583	TRIPLEX-HB	Triplex-HB is a non-ionic self-cross linking polymer emulsion which is used in variety of textile & non-woven textile applications.	<ol style="list-style-type: none"> <li>1. It has excellent adhesion to a wide variety of substrates and outstanding ultra-violet light resistance.</li> <li>2. It is used in formulating laminating adhesives for bonding a wide variety of substrates.</li> <li>3. Triplex-HB is recommended for use in fabric finishing, pigment printing spray bonding, fiberfill and other non woven fabrics, back coating, adhesive for lamination and paper coating.</li> <li>4. Battery separator stiffening agent, resistance to acid</li> </ol>	Acrylic copolymer	Non-ionic / weakly anionic
586	584	TRIPLEX-K-60	Triplex-K-60 is a cross linked acid polymer used to produce an excellent thickener for effective pigment and dye printing. It is also effective as a touch up thickener to prevent migration.	<ol style="list-style-type: none"> <li>1. It has an excellent durability while washing and dry cleaning.</li> <li>2. Can also be used as a sizing agent for nylon/polyester and acetate yarn filaments.</li> <li>3. Exhibits excellent adhesion.</li> <li>4. Is also recommended for fabric back coating, fabric finishing and lamination.</li> <li>5. Is a soft durable self-cross linking emulsion for pigment printing on machine and screen.</li> </ol>	Cross linked acrylic emulsion co-polymer	Anionic
587	585	TRIPLEX-SB	Triplex-SB is an Acrylate based pigment printing binder for direct, discharge & resist printing. It is a free flowing & self-crosslinking Acrylic Co-polymer emulsion with excellent thermal & mechanical stability	<ol style="list-style-type: none"> <li>1. Production of prints with brilliant prints &amp; excellent standard of fastness including dry cleaning.</li> <li>2. Soft &amp; pleasing handle. Good rubbing fastness results.</li> <li>3. Increase in fabric strength. Resistance to soiling.</li> <li>4. Resistant to wear &amp; abrasion resulting in longer life of fabric.</li> <li>5. Exhibits non-choleing &amp; good re-emulsification properties.</li> <li>6. Good fabric bonding.</li> <li>7. Excellent bonding agents for pigment resulting in permanent wash &amp; rub fastness.</li> </ol>	Aqueous dispersion of Acrylic polymer	Anionic
588	586	TRISTAR-AS	Tristar-AS is a cross linked acid polymer used to produce an excellent thickener for effective pigment and dye printing. It is also effective as a touch up thickener to prevent migration.	<ol style="list-style-type: none"> <li>1. Has an excellent durability while washing and dry cleaning.</li> <li>2. Can also be used as a sizing agent for nylon/polyester and acetate yarn filaments.</li> <li>3. Exhibits excellent adhesion.</li> <li>4. Is also recommended for fabric back coating, fabric finishing and lamination.</li> <li>5. Is a soft durable self-cross linking emulsion for pigment printing on machine and screen.</li> </ol>	Cross linked acrylic emulsion co-polymer	Anionic
589	587	TRISTAR-RCT	Tristar-RCT is a pre-catalyzed low-formaldehyde, wash fast resin finishing for woven and knitted fabrics composed of cellulosic fiber and their blends with synthetic.	<ol style="list-style-type: none"> <li>1. Good dry &amp; wet crease angle.</li> <li>2. Low shrinking values.</li> <li>3. No chlorine retention.</li> <li>4. No garlic like odor formation.</li> <li>5. Very good stability to hydrolysis.</li> <li>6. Soft handle.</li> <li>7. The finishing effects have good fastness to washing and dry cleaning.</li> <li>8. In built catalyst.</li> </ol>	Modified dimethylol dihydroxyethylene urea	Weakly cationic
590	588	TRISTAR-SA	Tristar-SA reduces the drying time and increases the production capacity on 3D machines like Margarita. It increases the gray cast and shiny look on denim together with wrinkle resins.	<ol style="list-style-type: none"> <li>1. It increases the gray cast and shiny look on denim together with 2D &amp; 3D machines like Margarita.</li> <li>2. Enables an easy scraping effect on denim with better contrast.</li> <li>3. It increases the wash permanency of 3D resin effects on denim.</li> <li>4. Easy to remove from the fabric by washing prior to crosslinking.</li> </ol>	Polymeric compound	Non-ionic
591	589	Allenol-AFF				
592	590	ALLENOL-ARW	Allenol-ARW It is a anionic high performance, low-foaming detergent, designed for scouring & bleaching of cotton and synthetic fibers in machines of high liquor turbulence, e.g. Jet, Overflow & Package dyeing machines. Suitable for continuous & discontinuous bleaching range. APED free	<ol style="list-style-type: none"> <li>1. Smoother running of ropes, less flotation, leading to fewer tangles and more efficient pump performance.</li> <li>2. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites.</li> <li>3. Improved reproducibility, "well prepared is half-dyed".</li> <li>4. Good emulsifying properties for knitting and weaving lubricants, oils and waxes.</li> <li>5. Good soil-suspending and anti-re-deposition properties.</li> <li>6. Low odor, no unpleasant smell.</li> </ol>	Blend of anionic & non ionic surfactants	Anionic
593	591	ALLENOL-AWA	Allenol-AWA is a synthetic detergent possessing powerful wetting and detergent properties. It is eminently suitable for kier boiling soaping of dyed goods and wetting out of grey textile prior to dyeing.	<ol style="list-style-type: none"> <li>1. It is very efficient as Kier-boiling assistant.</li> <li>2. It can be used for scouring of all textile materials in view of its outstanding wetting /detergent action.</li> <li>3. It is ideal for the "soaping" of dyed goods.</li> <li>4. It is most suitable for pre-wetting of grey textiles prior to dyeing.</li> <li>5. It can also be used for pasting of dyestuff powders such as vats, azoics, etc.</li> <li>6. Not suitable for cationic dyes.</li> </ol>	Blend of anionic & non ionic surfactants	Anionic
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	A	B	C	D	E	F
595	592	ALLENOL-DLS	Allenol-DLS has an excellent wetting power over the wide pH and temperature range. It exhibits outstanding detergent effect. It has very good emulsifying properties. It is stable to alkalis and acids, hence an ideal scouring and milling agent for wool.	1. Very good wetting and detergent action. 2. Excellent dispersing and emulsifying properties. 3. Stable to alkaline and acidic liquors. 4. Stable to metal salts and hard water. 5. Smooth and trouble free running of the goods. 6. Very good removal of oily and greasy impurities. Universal application.	Ethoxylate & blend	Non-ionic
596	593	ALLENOL-IMR	Allenol-IMR is a non-cresylic alkali soluble wetting / penetrating agent for use in mercerizing and causticizing liquors. It is highly efficient on grey cotton yarn and fabric even when the mercerizing treatment is carried out at room temperature	1. Is an excellent wetting and penetrating agent in caustic solutions at mercerizing concentrations of 42-52° TW. 2. Shows negligible foam in caustic soda liquors. 3. Is free from handling hazards in like cresylic based products. 4. Promotes high degree of mercerization / causticization of cellulosic grey yarn and fabrics rendering optimum luster and dyeability.	Complex anionic surfactant	Anionic
597	594	ALLENOL-KMR	Allenol-KMR 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.	Alkoxylated fatty alcohol	Non-ionic
598	595	ALLENOL-LFWA	Allenol-LFWA is a low foaming wetting agent and detergent with very good re-wetting action and extremely low foaming, for discontinuous & continuous pretreatment processes on cellulosic and their blends with synthetics.	1. Very good detergency and emulsifying power. 2. Good wetting properties. 3. Good resistance to oxidative and reductive bleaching agents. 4. Good stability to alkali and acids. 5. Very good compatibility with enzymes. 6. Low foaming. 7. Liquid, pumpable formulation. Miscible with water.	Synergetic preparation of special surfactants	Non-ionic
599	596	ALLENOL-LF	Allenol-LF is a low foaming detergent for textile processing. - Pre-scouring, boiling-off or bleaching. - Washing in the dyebath. - Soaping off after dyeing.	1. At temperature of about 50-60°C, it is completely low foaming & can therefore be used in semi-immersed jet dyeing machines. 2. It has a good scouring and wetting action. 3. It is stable in presence of mild acid & alkali. 4. It disperses size & other impurities from the fabric. 5. Excellent stain & oil removal action.	Vegetable oil based	Weakly anionic
600	597	ALTRANOL-NOF	Altranol-NOF has a emulsifying capacity for oil & fat stains. It has an excellent wetting properties and a good washing power. It is suitable for all kinds of fibers and can be applied in the slightly acid medium.	1. It is suitable for washing synthetics or blends consisting of wool or cotton and synthetics. 2. Very good detergency and emulsifying power. 3. Good wetting properties. 4. Good resistance to oxidative and reductive bleaching agents. 5. Very good compatibility with enzymes. 6. Low foaming. Liquid, pumpable formulation. 8. Removes oily and greasy impurities as well as sizing and soil particles. 9. APEO free.	Specialty surfactant	Non-ionic
601	598	ALLENOL-RBC	Allenol-RBC is a clay-based all in one product that removes all kind of impurities natural or synthetic from cellulosic substrates. It provides lubrication & improves absorbency and helps in reducing the use of additional chemicals during bleaching	1. It is all in one product used in the pretreatment of yarns & fabrics. 2. It can be very effective in removal of oil, waxes and other insoluble impurities. 3. It has excellent wetting & emulsifying, sequestering, lubricating & chelation actions. 4. Suitable for discontinuous application such as full white bleaching, scouring elastane blends to emulsify & remove oil.	Blend of natural clays & surfactants	Weakly cationic / Non-ionic
602	599	ALLENOL-RP	Allenol-RP It is an anionic high performance, low-foaming detergent, designed for scouring & bleaching of cotton and synthetic fibers in machines of high liquor turbulence, e.g. Jet, Overflow & Package dyeing machines. Suitable for continuous & discontinuous bleaching range. APEO free.	1. Smoother running of ropes, less flotation, leading to fewer tangles and more efficient pump performance. 2. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites. 3. Good emulsifying properties for knitting and weaving lubricants, oils and waxes. 4. Good soil-suspending and anti-re-deposition properties.	Dioctyl sulfosuccinate and specialty surfactant	Anionic
603	600	ALLENOL-SPS	Allenol-SPS is an effective multifunctional bleaching auxiliary & can effectively replace most of auxiliaries used in the conventional peroxide bleaching process. It is suitable for cotton and its blends. It can be used in various processes, such as vat dyeing and jet overflow dyeing.	1. Very simple operating process for scouring and bleaching treatment. 2. It ensures a highly stable hydrogen peroxide reaction without adding other stabilizer. 3. Excellent capillary effect and wetting performance. 4. It imparts well degreasing performance. 5. Excellent solubility and single agent for scouring process can get the most even treated fabric, which ensure a good levelling effect in dyeing process.	Specialty surfactants & phosphonic acid derivative	Anionic
604	601	ALLENOL-ZFD	Allenol-ZFD is a low foaming wetting agent and detergent with very good re-wetting action and extremely low foaming, for discontinuous & continuous pretreatment processes on cellulosic and their blends with synthetics.	1. Very good detergency and emulsifying power. 2. Good wetting properties. 3. Good resistance to oxidative and reductive bleaching agents. 4. Good stability to alkali and acids. 5. Very good compatibility with enzymes. 6. Low foaming. 7. Liquid, pumpable formulation. Miscible with water.	Synergetic preparation of special surfactants	Non-ionic
605	602	ALTRANOL-AP	Altranol-AP is an antifoam and de-aerating agent for use in all printing systems. It effectively removes air from print pastes in preparation and use, thus increases penetration and more level prints.	1. Speeds up vetting in vat dye printing thus savings of energy, time and chemicals. 2. Inhibits and destroys foam which helps a better run ability with fewer problems due to foam build-up in the screens. 3. Does not dissolve thermoplast or permanent table adhesive. Saves time and expensive renewal of adhesive. 4. Easy to handle as it is pumpable	Aliphatic hydroxy compound	Non-ionic
606	603	ALTRANOL-AOS-92	Altranol-AOS-92 is an anionic surfactant, based on secondary alkane sulphonate sodium salt. It is an environmentally friendly surfactant for detergents, chemical-technical and cosmetic industries.	1. Soaps (Toilet and Laundry). 2. Cosmetic and Personal Care products. 3. Dyes and pigments. Paints. Rubber and tyre, Leather. 4. Institutional cleaners. 5. As an additive to cement concrete. 6. Synthetic detergent (Powder, Bars / Cakes and Liquid). 7. Textile chemicals. 8. Agriculture chemicals and pesticides formulations (EC and WDP). 9. Emulsion polymerization (PVC / PVA / Polyacrylates / Styrene).	Sodium C14 Olefin Sulphonate solution	Anionic
607	604	ALTRANOL-CWA	Altranol-CWA is a low foaming wetting and scouring agent suitable for discontinuous and continuous bleaching operations. It removes size degradation products and emulsifies oils and fats.	1. It has high wetting action coupled with detergent properties. 2. Its efficacy is higher at lower dosages. 3. It is a non-foaming product hence suitable for high turbulence machines such as JET, soft flow, wick and package machine. 4. It has excellent oil and wax emulsifying properties. 5. It is suitable in enzymatic desizing. 6. It is APEO free.	Based on specialty surfactants	Anionic
608	605	ALTRANOL-DEI				
609	606	ALTRANOL-GP	Altranol-GP is a spotting agent for all fibers to remove lubricants, oils as well as spots caused by machine lubricating oils. It has effective, degreasing, wetting, stain removal & detergency action giving a very clean fiber/fabric.	1. Emulsifies and dissolves difficult to remove oil spots. 2. Is free of solvent and of low odor. 3. Is suitable for discontinuous and continuous washing. 4. Is low-foaming. 5. No danger of halo formation	Blend of specialty surfactants	Anionic
610	607	ALTRANOL-GR	Altranol-GR is a unique product that prevents yellowing of polyester, polyamide & their blends with elastane during the heat setting process. Specially designed for the production of pale shades & optically brightened whites	1. Prevents yellowing induced by heat processing. 2. Specifically for articles which have to be heat set e.g. because of curled edges, or for stability reasons. 3. Suitable for articles with a tendency to yellowing in subsequent heat treatments (e.g. on a rotary press). 4. Preferred application is by padding. 5. An exhaust application can be used.	Specialty products and surfactants	Non-ionic
611	608	ALTRANOL-FLR	Altranol FLR is a foam-generation auxiliary for foam-coating formulations and thermo-degradable wetting agent for use various finishes	1. Has excellent thermal degradability; the wetting agent completely volatilizes during drying and curing without affecting the inherent absorbency or repellency characteristics of substrate 2. Possesses good foam-producing properties and is an efficient foam-generator in the preparation of coating formulation in foam-coating equipment. 3. Stable foam is generated with product & when applied by coating on denim during bleaching with potassium permanganate & hypochlorite gives various bleaching effect or wave or ripple surface type effect.	Blend of specialty surfactants	Non-ionic
612	609	ALTRANOL-HPSR	Altranol-HPSR is a versatile product for one bath scouring, bleaching, stain removing of cotton synthetic and their blends.	1. It is a specially developed auxiliary for pretreatment of textiles. 2. It has effective, degreasing, wetting, stain removal & detergency action giving a very clean fiber/fabric. 3. It is APEO free.	Ethylene oxide condensation products with non-chlorinated Solvents	Non-ionic
613	610	ALTRANOL-HPSR-N	Altranol-HPSR-N is a versatile product for one bath scouring, bleaching, stain removing of cotton synthetic and their blends.	1. It is a specially developed auxiliary for pretreatment of textiles. 2. It has effective, degreasing, wetting, stain removal & detergency action giving a very clean fiber/fabric. 3. It is APEO free.	Ethylene oxide condensation products with non-chlorinated Solvents	Non-ionic

	A	B	C	D	E	F
614	611	ALTRANOL-LFE	Altranol-LFE is an economical low foaming wetting agent and detergent and bleach bath additives for batch wise pretreatment and continuous immersion processes. APEO free & ecofriendly. It is suitable for application in jet machines.	<ol style="list-style-type: none"> <li>1. Low foaming character sustained throughout heating, cooling and rinsing cycles.</li> <li>2. Good emulsifying properties for knitting and weaving lubricants, oils and waxes.</li> <li>3. Good soil-suspending and anti-re-deposition properties.</li> <li>4. Free-flowing liquid form. High active content.</li> <li>5. Extremely high primary biodegradability (according to BIAS test) - readily bio-eliminable (according to DOC analysis - OECD 301c).</li> <li>6. Low odor, no unpleasant smell.</li> <li>7. Uniform extraction of oils and waxes providing consistently clean foundation for level dyeing or whiter whites.</li> <li>8. Improved reproducibility, "well prepared is half-dyed".</li> <li>9. Cost savings by improved overall dye processing.</li> <li>10. Low dosages required.</li> <li>11. Minimized organic pollutant load on dye house effluent.</li> </ol>	Aqueous formulation of modified fatty alcohol ethoxylates, APEO-free	Weakly anionic/non-ionic
615	612	ALTRANOL-LTB-RS-NEW	Altranol-LTB-RS-NEW is a wetting/scouring agent with activator which can bleach cellulose based substrates & blends (cotton, viscose, poly/cotton) at lower temperature of 70-75°C.	<ol style="list-style-type: none"> <li>1. Lower operating temperature results in reduced heating &amp; cooling times (energy savings).</li> <li>2. Energy savings.</li> <li>3. Supports organic cotton registration.</li> <li>4. Lower temperature reduces fuel consumption &amp; savings in electricity.</li> <li>5. Increased productivity. Good whiteness &amp; less fibre damage.</li> <li>6. Eliminates requirement for pressurized steamer.</li> </ol>	Aqueous formulation of nonionic and anionic modified fatty alcohol ethoxylates APEO-free	Anionic
616	613	ALTRANOL-NOVI-LF	Altranol-NOVI-LF is a mineral based, multi-purpose, auxiliary for all discontinuous processes e.g. peroxide bleaching, pre-scouring elastane blends.	<ol style="list-style-type: none"> <li>1. Suitable for all cellulosic fibers and blends of cellulosic and synthetic fibers.</li> <li>2. Suitable for all kinds of machines e.g. Jets, Wingers, Jigs and Package machines.</li> <li>3. Multipurpose auxiliary showing excellent scouring and bleaching effects.</li> <li>4. Special washing mechanism resulting in good (silicone) oil elimination and good rewetting effect.</li> <li>5. Very high degree of whiteness, especially in combination with Optical brightening agents.</li> <li>6. Very good DP values.</li> <li>7. Good wetting effect in greige and rewetting effect after white for dyeing preparation.</li> <li>8. Positive effects on machine cleaning.</li> <li>9. Extremely low-foaming and APEO free.</li> <li>10. GOTS and Oeko-Tex 100 standard approved.</li> <li>11. Meets REACH (Restricted Substances Lists) of most international brands/retailers.</li> <li>12. Automatically doseable on most dosing installations.</li> </ol>	Based on natural minerals	Anionic
617	614	ALTRANOL-NR-80	Altranol-NR-80 is a wetting cum desizing agent for the pre-treatment and dyeing of cellulosic fibers and their blends.	<ol style="list-style-type: none"> <li>1. Excellent desizing properties in yarn cheeses.</li> <li>2. Stable to alkali up to 30 g/l caustic soda.</li> <li>3. Phosphate free and solvent free.</li> <li>4. Non-foaming.</li> <li>5. APEO free.</li> </ol>	Polyglycol ether	Non-ionic
618	615	ALTRANOL-NSA	Altranol-NSA 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.	<ol style="list-style-type: none"> <li>1. Is free from chlorinated solvents and banned/ harmful chemicals.</li> <li>2. Is a powerful cleaning agent even at ambient temperatures to remove oily contamination from all substrates, ensuring clear and uniform dyeing's.</li> <li>3. Does not contain allyl phenol ethoxylates (APEO-free auxiliary) and has minimum effluent problems.</li> <li>4. Is suitable for batch wise application and in continuous processing ranges.</li> </ol>	Fatty alcohol alkoxylate	Non-ionic
619	616	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"> <li>1. It is an efficient desizing agent &amp; enables removal of all synthetic sizing agents commonly used in size recipes.</li> <li>2. It is non-toxic to enzymatic activity.</li> <li>3. At higher concentrations it has good stain removing action.</li> <li>4. Anionic detergent used after cationization and weight reduction for washing.</li> </ol>	Blend of complex surfactants	Anionic
620	617	ALTRANOL-RGN	Altranol-RGN has a emulsifying capacity for oil & fat stains. It has an excellent wetting properties and a good washing power. It is suitable for all kinds of fibers and can be applied in the slightly acid medium.	<ol style="list-style-type: none"> <li>1. It is suitable for washing synthetics or blends consisting of wool or cotton and synthetics.</li> <li>2. Very good detergency and emulsifying power.</li> <li>3. Good wetting properties.</li> <li>4. Good resistance to oxidative and reductive bleaching agents.</li> <li>5. Very good compatibility with enzymes.</li> <li>6. Low foaming.</li> <li>7. Liquid, pumpable formulation. Miscible with water.</li> <li>8. Removes oily and greasy impurities as well as sizing and soil particles.</li> <li>9. APEO free.</li> </ol>	Specialty surfactant	Non-ionic
621	618	ALTRANOL-SS	Altranol-SS is used for removing grease, oil stains, uncured amino oil stains and silicone oil stains.	<ol style="list-style-type: none"> <li>1. Problem solver for uncured silicone spots in garment due to silicone solinting. It removes silicone oil stains</li> </ol>	Blend of specialty surfactants	Weakly cationic
622	619	ALTRANOL-SWH	Altranol-SWH is a low foaming wetting and desizing agent for continuous dyeing as well as exhaust application particularly for dyeing of yarn packages.	<ol style="list-style-type: none"> <li>1. Due to its excellent wetting action, thorough &amp; uniform wetting takes place in short time particularly in continuous dyeing which results into uniform shade. In exhaust application it helps to remove entrapped air thus leading to thorough wetting before addition of any other chemical. It can also be added in desizing by pad batch application to improve pick-up.</li> <li>2. Does not impair the solubility of water soluble dyes.</li> <li>3. Improves dye penetration.</li> <li>4. Low foaming &amp; hence color specks due to foam eliminated.</li> <li>5. Promotes high liquor pick up.</li> <li>6. Stable in alkaline solution up to 30 g/l caustic soda.</li> <li>7. Concentrated &amp; can be easily diluted.</li> </ol>	Based on surfactants	Anionic
623	620	ALTRAPLEX-A	Altraplex-A is used as a stripping agent for dyeing's obtained with vat, sulfur, reactive and direct dyes. It is used for lightening the shade of dyeing's and prints produced with direct dyes.	<ol style="list-style-type: none"> <li>1. It is used for lightening the shade of dyeing's and prints produced with direct dyes.</li> <li>2. To prevent the ground from being stained when prints produced with direct and reactive dyes are washed off.</li> <li>3. It is used as a leveling agent in dyeing with vat and direct dyes.</li> </ol>	Polyvinyl pyrrolidone solution	Anionic
624	621	ALTRAPLEX-AB-45	Altraplex-AB-45 is used in dyeing of polyester fibers with dyes at all storages of processing in HT processes on jets and circulating liquor machines. Altraplex-AB-45 is recommended for pH sensitive dyes and also recommended for dyeing of polyester blends.	<ol style="list-style-type: none"> <li>1. Good buffer capacity: Robust dyeing system "Right First Time" hence cost savings.</li> <li>2. No problems with correct pH measurement: No pH change through electrolytes and added substance to the dyebath.</li> <li>3. No impact on fastness: Compatible with all auxiliaries and UV absorbers.</li> <li>4. No extra addition of acid required to adjust the pH Easy and safe handling.</li> <li>5. Non-foaming: Suitable for jets</li> </ol>	Based on organic acid and salts	Anionic
625	622	ALTRAPLEX-AB-55	Altraplex-AB-55 is used in dyeing of polyester fibers with dyes at all storages of processing in HT processes on jets and circulating liquor machines. Altraplex-AB-55 is recommended for pH sensitive dyes like s and also recommended for dyeing of polyester blends.	<ol style="list-style-type: none"> <li>1. Good buffer capacity: Robust dyeing system "Right First Time" hence cost savings.</li> <li>2. No problems with correct pH measurement: No pH change through electrolytes and added substance to the dyebath.</li> <li>3. No impact on fastness: Compatible with all auxiliaries and UV absorbers.</li> <li>4. No extra addition of acid required to adjust the pH Easy and safe handling.</li> <li>5. Non-foaming: Suitable for jets.</li> </ol>	Organic acid and salts	Anionic
626	623	ALTRAPLEX-AC	Cracking agent is a multi-functional agent to optimize the pretreatment washing processes after alkaline pretreatment processes.	<ol style="list-style-type: none"> <li>1. Removes residual alkali and core neutralization of the textile goods to enhance the quality and reproducibility of subsequent processing steps.</li> <li>2. Can be added at the end of the washing range without danger of corrosion in machines such as stenters.</li> </ol>	Special organic acids	Anionic
627	624	ALTRAPLEX-ACA	Altraplex-ACA is a preparation and dye bath lubricant to prevent rope marks, creasing and abrasion in cellulosic fabrics and minimize tendency of color streakiness in which/jet machines. It is also an efficient one-bath scour-dye anti-crease auxiliary for jet processing of polyester.	<ol style="list-style-type: none"> <li>1. Promotes opening of the fabric rope and displacement of folds or creases in cellulosic and polyester.</li> <li>2. Acts as a lubricant when the fabric rubs against itself or machine parts and eliminates yarn/fiber abrasion.</li> <li>3. It has no restraining effect on dyes.</li> <li>4. Is highly stable to caustic alkali and to high electrolyte concentration making it ideal for application of all dyes on cellulosic fibers &amp; their blends.</li> <li>5. It has excellent emulsifying properties for residual oils, waxes and enable a single-bath scour-dye process for 100% polyester.</li> <li>6. It is low-foaming and facilitates smooth running in jet machines with higher machine loading at shorter liquor ratios.</li> </ol>	Blend of special phosphate esters	Anionic
628	625	ALTRAPLEX-CP	Altraplex-CP is an efficient dispersant (protective colloid) and chelating agent for all stages in dyeing of textiles made from cellulosic and blends.	<ol style="list-style-type: none"> <li>1. It exhibits excellent dispersing effect on raw cotton impurities (Waxes &amp; Pectins) and on the precipitates caused due to hard water.</li> <li>2. It also has moderate chelating effect on metal ions. Consequently Altraplex-CP eliminates the adverse effect of Calcium and Mg++ ions on the solubility of anionic dyes &amp; their affinity to cellulosic.</li> <li>3. Has limited chelating potential insufficient to remove metal ions from metal complex dyes hence it does not impair the shade &amp; fastness properties of dyeing obtained with reactive and direct, metal complex dyes.</li> <li>4. Is non-foaming with no affinity to anionic dyes.</li> </ol>	Acrylic acid - Maleic acid copolymer	Anionic



	A	B	C	D	E	F
626	ALTRAPLEX-DPL-M	Altraplex-DPL-M is a versatile anionic detergent and wetting agent.	1. It is a powerful detergent (wetting purpose), emulsifying and dispersing agent. 2. It is stable to acids, alkali, metallic salts and oxidizing and reducing agent.	Based on alkyl benzene Sulfonate	Anionic	
627	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.	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	
628	ALTRAPLEX-NBO	Altraplex-NBO is an organic sequestrant with excellent chelating action on Calcium, Magnesium, Iron and Copper for the treatment of hard water and heavy metal ions over a wide range of pH and temperature in preparation, coloration and finishing processes.	1. Possesses high hydrolytic stability and maintains its sequestering activity across a wide pH range. 2. It has a good deflocculating property and dispersing action on suspended solids. 3. Improves brightness in cottons during scouring and bleaching and in washing of colored fabrics. 4. Eliminates tendency of salt precipitation during print-paste preparations. 5. Acts as an efficient peroxide stabilizer in bleach liquor and prevents occurrence of pin-holes in cotton fabrics. 6. Resistant to oxidizing agents, such as hydrogen peroxide and perborate	Based on organic acid salts.	Anionic	
629	ALTRAPLEX-NE	Altraplex-NE is a liquid neutralization agent to remove alkali and core neutralization	1. Is used for neutralizing of finishing processes. 2. Guarantees for a neutral to weakly acid pH value on the fabric. 3. The application of Altraplex-NE for neutralization compensates for a pH change on the fabric through the industrial water. 4. The pH value of fabric treated with Altraplex-NE does not change if stored or dwelled for a long time. 5. Prevents fiber damages in comparison to mineral acids. 6. Is not volatile and therefore causes no corrosion to the stenter or other machines. 7. It is odorless compare to formic acid & acetic acid.	Mixture of organic/inorganic buffers	Non-ionic	
630	ALTRAPLEX-RC	Altraplex-RC is a levelling and dispersing agent for dyeing polyester fibers with disperse dyestuffs by the HT process. Fluorescent whitening of polyester fibers with disperse FWAs by the HT process. Dyeing the polyester component of polyester/cellulosic blends by the HT process.	1. Pronounced dispersing properties. 2. Very good leveling effect. 3. Prevents filtration of dyestuffs. 4. Does not increase the AOX content of waste water. 5. Readily soluble in water. 6. Pumpable.	Aryl polyglycol ether derivative	Anionic	
631	ALTRAPLEX-RSK	Altraplex-RSK is a Washing off or soaping agent for reactive dyed fabrics. It is a dispersant and protective colloid with binding properties for calcium, magnesium and heavy metal ions, for use in dyeing cellulosic fibers and their blends.	1. Action based on dispersing and calcium/magnesium-inactivating properties: 2. Disperses the sparingly soluble salts that are formed from calcium and magnesium (e.g. calcium carbonate) and precipitated dyes and hardness ions. Improves dyebath stability Promotes the best possible conditions for level dyeing's. 3. Has a "softening effect" on the dyebath. Prevents stains, markings and unevenness. Increases yield and improves reproducibility of dyeing's produced with dyes that are sensitive to calcium and magnesium. 4. Binds heavy metal ions in water. Binding with dyes sensitive to iron and/or copper. 5. Prevents dye agglomeration induced by hard water or salt additions. 6. Surfactant-free, non-foaming formulation. 7. No de-metalization of dyes:	Mixture of addition complexing agent & polymers	Anionic	
632	ALTRAPLEX-S	Altraplex-S is an organic sequestrant with excellent chelating action on Calcium, Magnesium, Iron and Copper for the treatment of hard water and heavy metal ions over a wide range of pH and temperature in preparation, dyeing and finishing processes.	1. Possesses high hydrolytic stability and maintains its sequestering activity across a wide pH range. 2. Has good deflocculating property and dispersing action on suspended solids. 3. Improves brightness in cottons during scouring and bleaching and in washing of colored fabrics. 4. Eliminates tendency of salt precipitation during print-paste preparations. 5. Acts as an efficient peroxide stabilizer in bleach liquor and prevents occurrence of pin-holes in cotton fabrics.	Based on organic acid salts	Anionic	
633	ALTRAPLEX-SAR	Altraplex-SAR is a washing-off or soaping agent for reactive dyed fabrics. It is a dispersant and protective colloid with binding properties for calcium, magnesium and heavy metal ions, for use in dyeing cellulosic fibers and their blends	1. Action based on dispersing and calcium/magnesium-inactivating properties: 2. Disperses the sparingly soluble salts that are formed from calcium and magnesium (e.g. calcium carbonate) and precipitated dyes and hardness ions. Improves dyebath stability Promotes the best possible conditions for level dyeing's. 3. Has a "softening effect" on the dyebath. Prevents stains, markings and unevenness. Increases yield and improves reproducibility of dyeing's produced with dyes that are sensitive to calcium and magnesium. 4. Binds heavy metal ions in water. Binding with dyes sensitive to iron and/or copper. 5. Prevents dye agglomeration induced by hard water or salt additions. 6. Surfactant-free, non-foaming formulation. 7. No de-metalization of dyes:	Mixture of addition complexing agent & polymers	Anionic	
634	ALTRAPLEX-SHP	Altraplex-SHP is a 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.	1. It offers an excellent cost/benefit ratio in detergent formulations. 2. It is the most effective dye transfer inhibitors for liquid laundry and powder detergents, compared with conventional Polyvinylpyrrolidone polymer (PVP).	Co-Polymer of 1-vinylimidazole & 1-vinyl-2-pyrrolidone, modified	Weakly cationic	
635	ALTRAPLEX-SRD/CONC	Altraplex-SRD-Conc is a soaping agent for dyeing and printing of reactive dyes. It is also a complexing and sequestering agent of calcium and magnesium salts.	1. Used in dyeing, carries a high dispersing power. 2. It does not sequester the dyestuff metals and does not retard the exhaustion. 3. Promotes removal of unfixed reactive dyes during soaping treatment. 4. Does not contain surfactants and therefore does not generate foam. 5. Diluted in water in all proportions. Stock solutions are stable for several days.	Acrylic-saccharic copolymer	Anionic	
636	ALTRAPLEX-XBM	Altraplex-XBM is a washing off additive. Removes residual dyestuff if used post dyeing.	1. Effectively cleans soiled & stained textile material. 2. Improves brightness when used on dyed fabrics. 3. Improves whiteness when used on white fabrics. 4. Removes residual dyestuff if used post dyeing. 5. Highly effective back-staining stripper. 6. Enhanced cleaning action on garments & denim. 7. Effective neutralizer / LABSA free. 8. APEO/NPEO free.	Blend of specialty chemicals	Nonionic / weakly anionic	
637	ALTRASPERSE-CSN-ECO	Altrasperse-CSN-ECO is efficient complexing agent and protective colloid for dyeing cotton and blends with vat dyes. It does not affect the shade or fastness of textiles. It is free of phosphates and phosphonates.	1. It has an excellent dispersing action on impurities of cotton and precipitated solids caused by hard water. 2. Ensures a high color yield when vat dyes are applied in the presence of hardness. 3. It prevents Ca2+ and Mg2+ ions from complexing with anionic dyes thereby reducing dye yield. 4. It has no demetallising effects on metal-containing dyes. 5. It is low foaming, biodegradable and has no contribution to the AOX of waste water.	Polymeric carboxylic acid	Weakly anionic	
638	ALTRASPERSE-MU	Altrasperse-MU is a special, solvent-free product for the cleaning of textile, printing and dyeing machines. It can also be used for reduction cleaning of PES dyeing.	1. Resistant to alkalis, acids and electrolytes in all usual concentration. 2. Resistant to hard water in all usual concentration. 3. Very high dissolving and dispersing capacity. 4. Solvent-free, hence no attack on rubber rollers, machine parts or varnishes.	Preparation of specialty surfactants	Weakly anionic	
639	ANTIFOAM-FB-50	Antifoam-FB-50 is an antifoam concentrate, designed to be easily formulated into cost-effective antifoams for the textile industry. The product is very efficient in controlling foam in all industrial processes.	1. Highly efficient antifoam at low concentration levels (25-50 ppm). 2. Sustained foam control throughout the process cycle. 3. Stable at high shear. 4. Stability to a wide range of pH and temperature conditions. 5. Easy dispersibility.	Polydimethyl siloxane	Nonionic	
640	ANTIFOAM-PHD	A high-performance antifoam emulsion available for multiple uses in the textile industry. A high-performance antifoam emulsion available for multiple uses in the textile industry.	1. Highly efficient antifoam at low concentration levels (25-50 ppm). 2. Sustained foam control throughout the process cycle. 3. Stable at high shear. 4. Stability to a wide range of pH and temperature conditions. 5. Easy dispersibility. Use of the product typically creates no oily residue or agglomerates when diluted in water.	Polydimethyl siloxane	Nonionic	

	A	B	C	D	E	F
644	641	DEFOAM-NS	Defoam-NS is a 100% active liquid non-silicone based defoamer primarily for use in textile dyeing. It can be used in jets & other dyeing operations, printing, sizing, scouring & coating where foam control is important.	1. Effective in many wet processing operations including jet dyeing. 2. Non-silicone based, No silicone flammability. 3. Superior bath stability - no silicone spots. 4. Effective dyebath stability in hard water. 5. Helps keep equipment clean. 6. Eliminate foam build up on cool-down during jet dyeing. 7. Being silicone-free, it will not cause objectionable silicone residual buildup on equipment. Tests indicate that this defoamer has no adverse effect on fabric flammability.	Mineral oil fatty acid derivative	Nonionic
645	642	DEFOAM-SDA	Defoam-SDA is a defoamer & antifoam based on polysiloxane, having prolonged emulsion stability.	1. Is a versatile defoamer used in various textiles operations like jet dyeing etc. wherever foaming problem arises. 2. It destroys the foam immediately depending upon the processing conditions such as pH, type of water and temperature of the medium.	Polydimethyl siloxane	Non-ionic
646	643	NEUTROX-ALN	Neutrox-ALN is an auxiliary used for neutralizing residual peroxide & hypochlorite from processed garments & fabric after bleaching cycle & subsequent dyeing with reactive dyes.	1. Optimizing of bleaching & dyeing cycles. 2. Saving in energy & water consumption. 3. Reduced effluent quantity. 4. Reproducible & consistent results. 5. Reducing agent against the rests of sodium hypochlorite used for jeans bleaching. 6. Bleaching process when washing and neutralizing is carried out, it eliminates chlorine rests, it also eliminates eventual resistance loss & yellow produced by chlorine remains. 7. Product exempt of odor, which could be usual in other anti-chlorine products.	Inorganic compound	Nonionic
647	644	PEROSTAB-AC	Perostab-AC is an alkaline stabilizer for peroxide bleaching.	1. Is a non-surface active stabilizer for the alkaline peroxide bleach. The product gives non-foaming bleaching liquors and can be applied for bleaching procedures with and without silicate of soda. 2. It has excellent peroxide stabilizing properties in the presence of catalytic heavy metals such as iron, copper and manganese.	Organic chelate forming compounds based on hydrocarbonic acids	Anionic
648	645	PEROSTAB-CPB	Perostab-CPB is an organic stabilizer for alkaline hydrogen peroxide bleaching.	1. Suitable for cellulosic fibers and their blends with synthetic fibers. 2. Suitable for all processes. 3. Primarily for cold pad-batch peroxide extraction bleaching. 4. Extremely suitable for silicate free pad-steam bleaching. 5. Extremely high iron bonding power. 6. EDTA free.	Combination of organic hydroxy compounds and carboxylic acids	Anionic
649	646	PEROSTAB-EC	Perostab-EC is an economical peroxide stabilizer for use in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process.	1. Stabilizer for the alkaline peroxide bleaching in long liquors, of cellulosic fibers and their blends with synthetic fibers. 2. Although it is not necessary to add the components to the bleaching liquor in any particular order, the following procedure has proved very satisfactory.	Phosphonic acid derivative	Anionic
650	647	PEROSTAB-ECO	Perostab-ECO is an alkaline stabilizer for peroxide bleaching.	1. Is a non-surface active stabilizer for the alkaline peroxide bleach. The product gives non-foaming bleaching liquors and can be applied for bleaching procedures with and without silicate of soda. 2. It has excellent peroxide stabilizing properties in the presence of catalytic heavy metals such as iron, copper and manganese.	Organic chelate forming compounds	Anionic
651	648	PEROSTAB-DCB	Perostab-DCB is an organic stabilizer for alkaline hydrogen peroxide bleaching.	1. Suitable for cellulosic fibers and their blends with synthetic fibers. 2. Suitable for all processes. 3. Primarily for cold pad-batch peroxide extraction bleaching. 4. Extremely suitable for silicate free pad-steam bleaching. 5. Extremely high iron bonding power. 6. EDTA free.	Combination of organic hydroxy compounds and carboxylic acids	Anionic
652	649	PEROSTAB-GI	Perostab-GI is an alkaline stabilizer for peroxide bleaching.	1. Is a non-surface active stabilizer for the alkaline peroxide bleach. The product gives non-foaming bleaching liquors and can be applied for bleaching procedures with and without silicate of soda. 2. It has excellent peroxide stabilizing properties in the presence of catalytic heavy metals such as iron, copper and manganese.	Organic chelate forming compounds	Anionic
653	650	PEROSTAB-GL	Perostab-GI is an alkaline stabilizer for peroxide bleaching	1. Bleaching processes without loss of stability as well as maximum whiteness through controlled decomposition of the bleaching agent. 2. Suited for discontinuous procedures 3. Suited for continuous procedures 4. Good binding properties towards hardeners and heavy metals 5. High dispersion capacity 6. Stabilising peroxide 7. Reduces catalytic damages	Organic chelate forming compounds	Anionic
654	651	PEROSTAB-ICE	Perostab-ICE is used in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process. Bleaching cellulosic fibers and their blends with peroxide by the cold pad-batch, pad-steam routine without silicate as well as the discontinuous long liquor bleaching process.	1. Perostab-ICE stabilizes peroxides, e.g. hydrogen peroxide, sodium peroxide etc. in alkaline bleaching baths. 2. It thus prevents the peroxide from decomposing too rapidly and provides optimum fiber protection. 3. Its dispersing action prevents impurities in the cotton from redepositing in the material during bleaching and promotes their removal in the washing-off process.	Phosphonic acid derivative	Anionic
655	652	PEROSTAB-LN	Perostab-LN is an organic stabilizer for alkaline hydrogen peroxide bleaching.	8 Suitable for cellulosic fibers and their blends with synthetic fibers. 1. Suitable for all processes. 2. Primarily for cold pad-batch peroxide extraction bleaching. 3. Extremely suitable for silicate free pad-steam bleaching. 4. Extremely high iron bonding power. 5. EDTA free	Combination of organic hydroxy compounds and carboxylic acids	Anionic
656	653	PEROSTAB-NW	Perostab-NW is an organic stabilizer for alkaline hydrogen peroxide bleaching	1. Suitable for cellulosic fibers and their blends with synthetic fiber. 2. Suitable for all processes. 3. Primarily for cold pad-batch peroxide extraction bleaching. 4. Extremely suitable for silicate free pad-steam bleaching. 5. Extremely high iron bonding power. 6. EDTA free.	Combination of organic hydroxy compounds and carboxylic acids	Anionic
657	654	PEROSTAB-PFS	Perostab-PFS is a stabilizer for use in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process. Bleaching cellulosic fibers and their blends with peroxide by the cold pad-batch, pad-steam routine without silicate as well as the discontinuous long liquor bleaching process.	1. Stabilizing/regulating function. 2. Dispersing, crystallization-inhibiting, threshold effect. 3. Does not contain silicate. 4. Does not contain surfactants. 5. Liquid, pumpable formulation, miscible with water.	Sodium salt of oligomeric ester condensates with polycarboxylic acid.	Anionic
658	655	PEROSTAB-PL	Perostab-PL is used in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process. Bleaching cellulosic fibers and their blends with peroxide by the cold pad-batch, pad-steam routine without silicate as well as the discontinuous long liquor bleaching process.	1. Perostab-PL stabilizes peroxides, e.g. hydrogen peroxide, sodium peroxide etc. in alkaline bleaching baths. 2. It thus prevents the peroxide from decomposing too rapidly and provides optimum fiber protection. 3. Its dispersing action prevents impurities in the cotton from redepositing in the material during bleaching and promotes their removal in the washing-off process.	Phosphonic acid derivative	Anionic
659	656	PEROSTAB-PS	Perostab-PS is an alkaline stabilizer for peroxide bleaching.	1. Is a non-surface active stabilizer for the alkaline peroxide bleach. The product gives non-foaming bleaching liquors and can be applied for bleaching procedures with and without silicate of soda. 2. It has excellent peroxide stabilizing properties in the presence of catalytic heavy metals such as iron, copper and manganese	Phosphonic acid derivative	Anionic
660	657	PEROSTAB-XL	Perostab-XL is used in peroxide cold, pad-steam bleaching without silicate as well as the alkaline discontinuous long-liquor peroxide bleaching process. Bleaching cellulosic fibers and their blends with peroxide by the cold pad-batch, pad-steam routine without silicate as well as the discontinuous long liquor bleaching process.	1. Perostab-XL stabilizes peroxides, e.g. hydrogen peroxide, sodium peroxide etc. in alkaline bleaching baths. 2. It thus prevents the peroxide from decomposing too rapidly and provides optimum fiber protection. 3. Its dispersing action prevents impurities in the cotton from redepositing in the material during bleaching and promotes their removal in the washing-off process.	Phosphonic acid derivative	Anionic
661	658	PRODUCT-2115	Product-2115 is a high performance, low-foam auxiliary with excellent dispersing, buffering and sequestering action during the dyeing of disperse dyes on 100% polyester and on polyester blended fabric, yarn and loose-stock.	1. Maintains a constant acidic pH throughout the polyester dyeing circle. 2. Prevents interference at the dyeing stage of calcium, magnesium and heavy metal ions to eliminate formation of unwanted stains or deposits. 3. Widens choice of dyes to include disperse colours which are generally sensitive to alkali or reduction. 4. Improves shade consistency and level-dyed results even when feed-water hardness or alkalinity may color.	Blend of organic acid salts and surfactants	Anionic
662	659	PRODUCT-DB-N	Product DBN low temperature bleaching agent for cellulosics & its blends	1. Reduced use of thermal energy, effective use of chemicals with corresponding reduction in the load on wastewater and in the operational load on a limited number of experienced workers in particular are of great advantage. 2. In addition, it gives fabric a soft hand without causing damage, and having no machinery corrosion or problems in the operational environment it imparts good water absorbency, resulting from superior, uniform bleaching and scouring, which guarantee level dyeing in the following stage. 3. One bath desize scour of Polyester, cotton & blended fabrics.	Blend of non-ionic and anionic surfactants with oxidative Compounds	Anionic

	A	B	C	D	E	F
660	660	PROSURF-810	Prosurf-810 exhibits excellent caustic stability and solubility in caustic and saline solutions. Due to its good wetting and dispersing properties it can be used for caustic, neutral and acidic hard surface cleaning for the household and institutional sector.	1. Produced from natural, renewable resources. 2. It shows excellent solubilizing properties in highly concentrated surfactant solutions and also in the presence of salt and alkalis. 3. It is compatible with other classes of surface active agents. 4. It has excellent wetting properties. 5. Readily biodegradable.	Based on C10 alkyl glucoside	Non-ionic
663	661	PROSURF-LA	Prosurf-LA is a non-ionic emulsifier, dispersing agent, wetting agent, industrial cleaning agent, all-purpose and special cleaners, powders & liquid detergents. It is a surface active agent for thickening of surfactant preparations.	1. Synergistic effects with other surfactants. 2. Good hard water stability. 3. High surface activity and detergency. 4. Chemical stability over a wide pH range. 5. Low environmental impact as a result of rapid and complete biodegradation	Alcohols C12-C14 ethoxylated	Non-ionic
664	662	PROSURF-PEG-40-S	Prosurf-PEG-40-S is a very hydrophilic emulsifier, stabilizer, solubilizer, anti-gellant and lubricant. It can be used as a primary emulsifier for a variety of emollient oils and waxes, particularly in creams, lotions, shampoos, deodorants and makeup.	1. Prosurf-PEG-40-S cleans the skin and hair by helping water to mix with oil and dirt so that they can be rinsed away. 2. Anti-foaming agent / defoamer: Reduces or hinders the formation of foam. 3. Binder / stabilizer: Retains the physical characteristics of food/cosmetics and ensures the mixture remains in an even state. 4. Emulsifier: Allows water & oils to remain mixed together to form an emulsion. 5. Surfactant: Reduces the surface tension to allow mixtures to be formed evenly. 6. Compatible with lipophilic compounds due to higher free fatty acid content.	Ethoxylated fatty acid	Non-ionic
665	663	PROSURF-PSB-60	Prosurf-PSB-60 is a synthetic multi-component substrate that can be used as a surfactant, emulsifier, solvent, stabilizer in cosmetics and personal care products. It is used in industries such as the textile industry, the cosmetics industry and metal processing.	1. Prosurf-PSB-60 is used in the textile industry as one of the ingredients in the process of production of polyacrylic fibers. It is well known for its uses as a softener and antistatic agent. It gives the fiber good dyeing properties. 2. Prosurf-PSB-60 acts as a surfactant to reduce the surface tension between two substances, e.g. between two liquids or a liquid and a solid. In this way, surfactants can attract, suspend, and wash away oils, dirt, and other contaminants accumulated on the skin. 3. As a solubilizer, it enables the introduction of substances being insoluble or sparingly soluble in water, e.g. plant extracts fragrances or fatty substances, into the aqueous solution. 4. Prosurf-PSB-60 supports the formation of permanent foam required for the effective removal of impurities. The characteristics of the emulsifier, frothing properties and the ability to produce micelles determine its use in preparations for cleansing the scalp and hair. As one of the ingredients used in cosmetics, it improves their consistency, facilitates application and rinsing. In addition, it has lubricating effect and reduces the potential irritant and drying properties of other detergents. 5. In agrochemicals, it is used in the form of an emulsifier in pesticide formulations, mainly of the EC, SL, EW, ME, WP and WG types. 6. It is also used as an emulsifier in processes where drilling fluids are used.	Polyoxyethylene sorbitan monostearate	Non-ionic
666	664	PROSURF-TA	Prosurf-TA functions as a surfactant, wetting agent solubilizer in textile processing, anti-corrosion agent in oil & gas, and adjuvant in agrochemicals	1. It finds applications in leather and textile processing aids, paints, inks, cosmetics, petroleum products, metal treating, synthetic fiber manufacture and production of paper and plastic products as emulsifiers, dispersants, wetting agents and dye-leveling agents. 2. It adsorb strongly to most metal, fiber and mineral surfaces, which makes them useful as corrosion inhibitors, softeners, anti-static agents and adhesion promoters. 3. It can be used in formulating emulsifier blends. 4. It is miscible with cationic and anionic surfactants and used as adjuvant in pesticide and herbicide formulation.	Tallow amine ethoxylate	Non-ionic
667	665	PROSURF-TDA	Prosurf-TDA is a non-ionic surfactant for detergents & cleaners and for the chemical and allied industries.	1. Prosurf-TDA belongs to a group of non-ionic surfactants that have established themselves in detergents and cleaners, and in other branches of the chemical industry, by virtue of the high levels of surface activity they display. 2. Their main area of application is in detergents and cleaners for household, industrial and institutional use. 3. Prosurf-TDA being non-ionic, is compatible with anionic, cationic and nonionic surfactants and auxiliaries. 4. They are fully compatible with alkyl aryl sulphates, ether sulphates & other sulphated & sulphonated products. This enables synergistic effects & very high level of performance to be obtained. 5. They are also compatible with the cationic biocides based on di-methyl fatty alkyl benzene ammonium chloride & with other nonionic surfactants such as and the low-foaming surfactants in our Modube-LF-401 types (un-branched fatty alcohol). Their compatibility with dyes, pigments, protective colloids, thickeners and other substances with a molar mass in the upper range is also very good. 6. The versatility of Prosurf-TDA is such that it can be used to formulate acid, alkaline and neutral cleaners that satisfy the most varied requirements.	Iso-tridecyl alcohol ethoxylate	Non-ionic
668	666	PROSURF-TSP-16	Prosurf-TSP-16 is a non-ionic surfactant that can be used as an emulsifier or dispersant in a variety of agricultural formulations.	1. It is used for emulsion polymerization & pigments emulsion. 2. It has excellent emulsion stabilizer, high HLB emulsifier & dispersant agent. 3. It can be used as non-ionic emulsifiers or dispersants in a variety of agricultural formulations, including suspension concentrates, emulsifiable concentrates and micro emulsions. 4. It supplements the emulsifying agents, and dispersant commonly used in O/W paints.	Tristyrylphenol ethoxylates	Non-ionic
669	667	PROSURF-UD-790	Prosurf-UD-790 wide range of applications and used as emulsifier and surfactants in various industries like textile, automotive, paint, etc.	1. Excellent wetting properties. 2. Very effective emulsifier and dispersant. 3. Compatible with the non-ionic, anionic and cationic ingredients of the formulation. 4. Improves the absorbency of the dye into cotton during bleaching. 5. Readily biodegradable.	Alcohol-C11, ethoxylated	Non-ionic
670	668	PROSURF-VO-360	Prosurf-VO-360 has a good emulsifying, wetting, penetrating, dispersing and solubilizing abilities. It is suitable for emulsification of various vegetable oils, mineral oils, waxes, etc. It is free from NPE and is environmentally friendly.	1. Emulsifier combination of non-ionic and anionic surfactants is used successfully for making up a number of biocides in the form of self-emulsifying liquid concentrates. 2. It shows excellent emulsification characteristics for many solvents typically used in agrochemical formulations. 3. It is applicable to various emulsifiers, especially in organic phosphorus emulsifier, where it shows a prominent wetting and synergistic effect. 4. It can be used as industrial emulsifier, penetrating agent, antifouling agent, additive, foaming agent, stabilizer, lubricant, solubilizing agent, leveling agent, antistatic agent, washing agent, dispersing agent, degreasing agent, plasticizing agent and chemical intermediate.	Ethoxylated vegetable oil	Non-ionic
671	669	QUENCH-BA/ Neutrox BA	Optical Brightener Quencher, "a highly effective, fast working quenching agent for the fluorescent whitening agents used in the paper industry.	1. Unlike conventional UV absorbers quench BA performs the OBA masking function by forming a complex with OBA thereby preventing reemission in visible spectrum. 2. Rapid quenching of fluorescence in machine, stock preparation equipment & pipe systems considerably shortens the change-over times. 3. Resulting increase in production results in cost benefits which are far greater than the cost of product. 4. Helps correct fabrics/garments with localized OBA patches or stains. 5. Permits complete removal of OBA from treated textiles.	Benzene carboxylic acid amide derivative.	Cationic
672	670	QUENCH-CPN	Quench-CPN is used for rapid removal of potassium permanganate & hypochlorite residues from processed garments.	1. Reducing agent against the rests of sodium hypochlorite used for jeans bleaching. 2. Bleaching process when washing and neutralizing is carried out, it eliminates chlorine rests, it also eliminates eventual resistance loss & yellow produced by chlorine remains. 3. Product exempt of odor, which could be usual in other anti-chlorine products. 4. Applicable after Ultrafresh MG and other bleaching based on permanganate. 5. Complete removal of yellow tint from denim after PP treatment & leaving denim look bluer in compare to traditional neutralizer, metabisulfite. 6. Eliminates coloration produced by manganese dioxide.	Blend of inorganic salt	Non-ionic

	A	B	C	D	E	F
674	671	QUENCH-EPN	Quench-EPN is a Bio-based, sulphur-free neutralizer used to neutralize potassium permanganate, PP substitutes and chlorine bleached garments. Quench EPN works at room temperature at pH 4.0 - 6.0.	1. It is used for removing manganese dioxide from bleached garments. In chlorine bleaching it is applied for stopping the bleaching process. Thereby, it replaces ecologically harmful or corrosive substances like hydroxylamine sulfate (HAS) or sodium bisulfite / metabisulfite. 2. It is also suitable for the neutralization of active chlorine. 3. Provides better contrast and brighter shades to garments. 4. It is a substitution of oxalic acid, sodium pyrosulfite or hydroxylamine sulphate. 5. It is free of formaldehyde, APEO, heavy metal ions and it works at room temperatures.	Mixture of organic and inorganic substances	Nonionic
675	672	QUENCH-PPM-ECO	Quench-PPM-ECO is used for rapid removal of potassium permanganate & hypochlorite residues from processed garments.	1. Reducing agent against the rests of sodium hypochlorite used for jeans bleaching. 2. Bleaching process when washing and neutralizing is carried out, it eliminates chlorine rests; it also eliminates eventual resistance loss & yellow produced by chlorine remains. 3. Product exempt of odor, which could be usual in other anti-chlorine products. 4. Applicable after Ultrafresh MG and other based on permanganate. 5. Complete removal of yellow tint from denim after PP treatment & leaving denim look bluer in compare to traditional neutralizer, Metabisulfite. 6. Eliminates coloration produced by manganese dioxide.	Organic & inorganic substances	Non-ionic
676	673	QUEST-3P	Quest-3P is a highly efficient antistatic agent for universal application. It has a good stability to the usual concentrations of acids, alkalis and salts. It can be combined with anionic and non-ionic products. Its compatibility with cationic products has to be checked in preliminary trials.	Excellent antistatic effect. 1. Suitable for all fiber sorts; preferred application on synthetic fibers and their blends. 2. No influence on handle. 3. No yellowing, even at higher drying and fixing temperatures. 4. The color shade and the fastness level of the dyeing's not influenced. 5. Can be well combined with softeners and other finishes; in combination with cationic products we recommend carrying out preliminary tests to verify the compatibility.	Phosphoric acid ester	Anionic
677	674	QUEST-ICA	Quest-ICA is a fabric conditioner imparts durable soil release & anti-soil re-deposition properties to 100% polyester, nylon & its blends under a variety of application conditions. It may be applied before, during or after dyeing. It may be used with disperse & cationic dyes or combination thereof. Remarkably improved moisture transport (water absorption & wicking) is obtained with fabric treated with Quest-ICA.	1. Increased wearer comfort: By creating a special hydrophilic surface on the polyester fabric, Quest-ICA enables to garment to absorb moisture from the body and allow it to evaporate. In other words Quest-ICA gives polyester the ability to "breathe" and impart a cool, absorbent feeling. 2. Antistatic effect: It minimizes the build-up of irritating static charges in the fabric and therefore eliminates the undesirable "clinging" problem often encountered in polyester garments. This antistatic protection also reduces the pick-up of air-borne dust and therefore reduces the cleaning effort. Garments come clean with the mildest wash and do not need expensive detergents. 3. Lower soil re-deposition: The special soil release action of Quest-ICA ensures that white fabrics stay white and colored fabrics stay bright. The "graying" or "dulling" of fabrics which occurs during domestic washing is markedly reduced.	Polyester resin	Non-ionic
678	675	ULTRA-1030	Ultra-1030 has an excellent wetting power. Over the wide pH and temperature range. Exhibits outstanding detergent effect.	1. Very good wetting and detergent action. 2. Excellent dispersing and emulsifying properties. 3. Stable to alkaline and acidic liquors. 4. Stable to metal salts and hard water. 5. Smooth and trouble free running of the goods. 6. Very good removal of oily and greasy impurities. Universal application. 7. Has very good wetting and detergency action with extremely hard water.	Ethoxylate & blend	Non-ionic
679	676	ALQUAT-AR	Alquat AR is economical soda ash replacement during dyeing of cellulosic fabric	1. Reduced dyestuff hydrolysis. 2. Cleaner, brighter shades. 3. Convenience-liquid v/s solid. 4. Bag disposal is eliminated as is the problem of torn bags, loss of material and dusting. 5. Dissolves in cold water. 6. No clogged drains. Easier to rinse. 7. Improved color yield.	Aqueous solution of inorganic alkalis	Non-ionic
680	677	ALQUAT-CCL	Alquat-CCL is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to dyeing process.	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour 2. It is also used as an after finishing agent to improve wash and crock fastness of reactive and direct dyed fabrics. It increases the amount of dye uptake that can be exhausted onto cellulosic fabric with direct, pigment, fibre reactive, sulphur dyes, vat and indigo.	Polycation	Cationic
681	678	ALQUAT-M	Alquat-M is a specially developed cationic, water soluble polymer intended for use in the cationising of cotton goods prior to pigment dyeing, acid dyeing on cotton	1. Cationizer for pigment dyeing by exhaust process. Garment dyeing i.e. pigment dyeing for brighter colour 2. Cationizer for direct, reactive & acid dyes on cotton 3. Cationizer for acid dyes	Polyamine resin	Weakly Cationic
682	679	ALQUAT-WRD	Alquat-WRD is an eco-friendly cationic dye fixing agent for reactive, vat, sulphur & direct dyes which does not contain formaldehyde in its formulation. It does not affect either light fastness or the shade of the treated material. It can be applied by exhaust as well as pad application.	1. Formaldehyde free: Suitable for Oeko-Tex and baby wear. 2. It does not affect shade or light fastness therefore rematching not required. 3. It is versatile, thus suitable for pad & exhaust applications	Aqueous preparation of an aliphatic polyetheramine	Cationic
683	680	ALTRAPLEX-CB	Altraplex-CB is padding auxiliary for continuous dyeing of piece goods produced from cotton, polyester and polyester/cotton blends.	1. It prevents the migration of pigment particles during intermediate drying of fabrics produced from cellulosic fibers and their blends with manmade fibers.	Acrylic copolymer	Anionic
684	681	ALTRAPLEX-CBD	Altraplex-CBD is padding auxiliary for continuous dyeing of piece goods produced from cotton, polyester and polyester/cotton blends	1. It prevents the migration of pigment particles during intermediate drying of fabrics produced from cellulosic fibers and their blends with manmade fibers.	Acrylic copolymer	Anionic
685	682	AMPLIFY-6695	Amplify-6695 is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder & brighter tone effects are observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder & brighter tone.	Special type hybrid acrylic resin	Weakly cation
686	683	AMPLIFY-6708	Amplify-6708 is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
687	684	AMPLIFY-6712	Amplify-6712 is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder & brighter tone effects are observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder & brighter tone	Special type hybrid acrylic resin	Weakly cation
688	685	AMPLIFY-BR/CONC	Amplify-BR-Conc is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in all shades by post treatment of fabric for bright deep look.	1. Provides maximum color-depth of disperse black & sulphur black. 2. It gives bright look on fabric. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. No occurrence of chalk marks. 8. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
689	686	AMPLIFY-BL/CONC	Amplify-BL-Conc is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cation

	A	B	C	D	E	F
687		AMPLIFY-CBRT/CONC-NEW	Amplify-CBRT-Conc-New is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3.High durability to multiple cycles of washing and dry-cleaning. 4.Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6.Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone	Special type hybrid acrylic resin	Weakly cation
688		AMPLIFY-IBR	Amplify-IBR is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4.Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7.Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone	Special type hybrid acrylic resin	Weakly cation
689		AMPLIFY-JWD	Amplify-JWD is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
690		AMPLIFY-JWR/CONC	Amplify-JWR-Conc is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
691		AMPLIFY-KB/CONC-NEW	Amplify-KB-Conc-New is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cation
692		AMPLIFY-KR/CONC-NEW	Amplify-KR-Conc-New is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7.Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
693		AMPLIFY-ONE/Conc-NEW	Amplify-ONE-Conc-New is a color deepening agent with bluish tone designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black, in bluish shade. 3. Excellent durability stable to multiple washing and dry-cleaning cycles. 4. Free from slip trouble, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6. Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No occurrence of chalk marks. 9. No problems of ending and tailing.	Special type hybrid acrylic resin	Weakly cationic
694		AMPLIFY-RD/Conc	Amplify-RD-Conc is a color deepening agent designed to increase the depth of primarily polyester and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric. Excellent color deepening with Redder Tone effects is observed.	1. Provides maximum color-depth of disperse black & sulphur black. 2. Produces astounding IET black shade depth in redder tone. 3. High durability to multiple cycles of washing and dry-cleaning. 4. Free from slip trouble, nail Mark, hand marks, spot problem. 5. Does not affect the fastness properties of dyeing. 6.Very good mechanical / chemical / thermal stability. 7. Handle: Neutral, somewhat bulky, non-slippery. 8. No problems of ending and tailing. 9. Redder tone.	Special type hybrid acrylic resin	Weakly cation
695		AQUAFLEX-TOW	Aquaflex-TOW is a high solids content APEO free, formaldehyde free thermoplastic acrylic emulsion polymer which exhibits extra-ordinary flexibility, good water resistance high pigment loading capabilities	1. It has excellent adhesion to a wide variety of substrates and outstanding ultra-violet light resistance. It is used in formulating laminating adhesives for bonding a wide variety of substrates. 2. Due to its soft-flexible film with rapid water release, excellent adhesion and good water resistance, it is widely used for pigment printing as well as formulating white ink for knitted fabrics.	Acrylic binder	Anionic
696		DENIMAX-GC	Denimax-GC is developed as a product for producing gray cast on denim during hypochlorite bleaching process. The disadvantage of bleaching indigo dyed fabrics with sodium hypochlorite produces a royal blue or powder blue color on fabric & is not desirable always. To overcome this disadvantage the expensive process used is laccase enzyme. Denimax-GC is the chemical substitute of laccase enzyme.	1. Denimax-GC provides a method of producing the faded appearance in a single step during hypochlorite bleaching produces the desired gray cast on denim. It avoids use of expensive laccase-enzyme products. Shortens the extra step of 30 - 45 mins of enzyme treatment. 2. Produces consistence gray cast or shade, unlike in case of laccase enzyme where shade or cast variation cannot be controlled.	Blend of inorganic salts	Non-ionic
697		DYCAR-LTC	Dycar-LTC is a low odor carrier for dyeing of polyester, polyester blends, cationic dye able PES and blends	1. Low odor in application. 2. Produces no odor on the fabric, even without high drying temperatures after dyeing. 3. Is easy in application and gives stable emulsion over the entire temperature range of the dyeing process. 4. Contains dispersants and leveling agents, it is usually used without additional leveling agents or dispersants. 5. Is also suitable in dyeing at temperatures of 120-130°C. 6. Is particularly useful when dyeing polyester / wool blends because of low cross-staining on wool with disperse dyes.	Based on aromatic imides	Anionic
698		DYEBOND-ECO	Dyebond-ECO is a special high molecular weight cationic compound for improving wet & dry rub fastness for all types of dyed & printed cotton fabrics and its blends. It is suitable for sulphur, reactive, direct & indigo dyed goods	1. The wet rubbing fastness of cotton, polyester, T/C fabrics etc. can be improved significantly. 2. No influence to washing, and perspiration fastness, and handle of fabric. 3. It is extremely effective on indigo dyed denims. 4. Ecofriendly, oxime free, formaldehyde free, DMF free.	Waterborne polyurethane	Cationic
699		DYEBOND-FID	Dyebond-FID improves wet & dry crock resistance on the fabric. It improves wash fastness without significantly affecting the dye shade.	1. Improves wet and dry crock resistance on the fabric. 2. Improves wash fastness without significantly affecting the dye shade. 3. Effective over a wide pH range of 2.0 - 10.0. 4. High sustantivity to cellulosic fibres. 5. Improves appearance of denim garments to washing. 6. Assists in yarn size retention. 7. Good treated with it keep their original indigo blue even after stone-wash. 8. Contains no formaldehyde.	Polyamide resin	Cationic
700		DYEBOND-MAX-NEW	Dyebond-MAX-NEW is a rub fastness improver after treatment agent, highly effective for cellulosic and synthetic fibres. It reduces the colour abrasion from dyed cellulose fibres, synthetics and their blends. The fastness's to light, washing and contact of the treated fabrics are not impaired with the shade intensification is manageable.	1. The wet rubbing fastness can be improved significantly. It is Suitable for 100% Cottons, Rayon, PET/cotton blends. 2. It improves the wet rubbing fastness of dyeing's considerably which increases the fabric quality. 3. It is extremely effective on indigo dyed denims. 4. It has no influence to washing, perspiration fastness, and handle of fabric. 5. Applicable by both PAD & Exhaust. 6. Good handle & hydro absorbency. 7. It improves the pilling behavior of the fabric considerably. 8. Low foaming & excellent solubility. 9. Free of formaldehyde, dimethylformamide & butanone oxime.	Waterborne polyurethane	Cationic
701		DYECOL-SRL	It is an excellent levelling agent for dyeing cellulosic fibre with reactive dyes	1. Bath conditioner which increases the solubility of the dyes 2. Continuous application & Discontinuous application 3. Excellent leveling & dispersing properties 4. BOOST THE LEVELNESS OF YOUR REACTIVE DYEING Stabilise the dyeing process	Modified condensation product based on sulphonic acid salts	Anionic
704						

	A	B	C	D	E	F
702	702	DYEFIX-CFIW	Dyefix-CFIW is an excellent chlorine fastness & washing fastness improver to chlorine and wet contact staining. It improves the fastness to chlorinated water of dyeing's and prints with Sulphur, vat, reactive and direct dyes. It improves the contact water fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibers.	1. Gives excellent chlorine resistance. 2. All round product for reactive and direct dyeing's, excellent improvement of contact water fastness. 3. Contact fastness of basic, sulphur, vat, direct & reactive dyeing's are distinctly improved & so suitable for polyacrylics, celluloseics & regenerated cellulosic fabrics. 4. It is free from Formaldehyde. 5. None or only minimum influence on shade change and light fastness. 6. No influence on handle and absorbency	Polyetheramine in aqueous solution	Cationic
705	703	DYEFIX-F	Dyefix-F is cationic dye fixing agent for direct & reactive dyed cotton fabrics.	1. Improves wet fastness & domestic laundering fastness of the dyeing's with direct & reactive dyes. 2. Has very little or no influence on the original shade of dyeing's. 3. Does not impair the light fastness of the dyeing's. 4. Releases no formaldehyde either on the goods or in the fixation bath.	Poly alkenes amine in aqueous solution	Cationic
706	704	DYEFIX-FRD	is a next-generation fixing agent that delivers the strongest possible wet-fastness for all reactive dyes on cotton	1. Gives acceptable effects to improvement of not only color fastness to dry rubbing but also color fastness to wet rubbing to which the usual agents have been considered to be difficult to give effects. 2. It also improves wet fastness of cellulosic fabrics. 3. Imparts excellent wash fastness to direct & fiber dyed fabrics to water, perspiration wet ironing, sea -water & laundering. 4. It is a zero formaldehyde product & hence treated fabric is free from formaldehyde odor. Further the fabrics satisfies international regulations concerning formaldehyde emission 5. It is highly resistant to presence of salts such as common salt & Glauber salt. 6. It is effective at room temperature. For optimum results the dyed fabric should be treated at 40 -50°C for 20 mins.	Polydmdac	Cationic
707	705	DYEFIX-NFDF	Dyefix-NFDF is a non-formaldehyde based dye fixing agent for cellulosic fabrics. It improves the wet fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibers. To improve the wet fastness and wash fastness properties of direct and discharge prints with direct and reactive dyestuffs. It also improves fastness to perspiration fastness.	1. Little change of shade. 2. Little effect on light fastness. 3. No significant effect on handle. 4. Good compatibility with softening and finishing liquors. 5. Formaldehyde free. 6. Very good resistance to salts causing hardness of water.	Polyquaternary ammonium compound	Cationic
708	706	DYLEY-299	Dyley-299 is a dispersing and levelling agent for disperse dyes. It is an excellent water soluble emulsifier having rapid wetting & solubilizing properties, and possessing good versatility as dispersant for pigments.	1. It shows resistance to hydrolysis and may be used in a range of acidic and alkaline formulations. 2. It may be also used to enhance the gelling properties of other surfactants in water-in-oil emulsions. 3. Ideally suited for textile scouring & polymer coating. 4. Helps in removing unfixed or loose dyestuffs and does not loose re-deposition of the dyestuffs. 5. Is used as dye-leveling agent for fixation of disperse dyes printing on polyester fabrics in high speed continuous dyeing. 6. Is used as an excellent dispersing agent for lime soap in detergent & used as an auxiliary for re-dyeing of uneven disperse dyeing. 7. Use of Dyley-299 for washing dispersed color printed goods.	Speciality surfactants	Non-ionic
709	707	DYLEY-ACE	Dyley-ACE is a dyeing accelerator for dyeing acrylic fibers at all processing stages.	1. Pronounced increase in the strike rate. 2. Excellent reserving of adjacent fibers. 3. Improve liquor stability. 4. It is a dyeing accelerator for dyeing acrylic fibers at all processing stages as well as accelerating dyeing, in blends with cellulosic, polyamide and wool. 5. It ensures almost complete reserving of adjacent fibers. 6. It is suitable for exhaust and pad-steam application.	Aromaticimides & specialty surfactants	Weakly anionic
710	708	DYLEY-CPE	Dyley-CPE is a levelling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	1. Good levelling and migration properties. 2. Marked diffusion-accelerating effect. 3. Very good dispersing properties. 4. Build-up on tone. 5. Permits level dyeing's under critical dyeing conditions. 6. Improves in-out levelness in dyeing on circulating liquor machines. 7. Suitable for levelling faulty dyeing's. 8. Improves coverage of material with varying affinity. 9. Promotes more uniform exhaustion of dye combinations, thus creating ideal conditions for level dyeing.	Carboxylic and phosphoric acid esters of aromatic compounds	Anionic
711	709	DYLEY-CL	Dyley-CL is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers.	1. Improves the stability of reactive & direct dyes in solution when dyeing cellulosic and PES/CEL blends 2. Improves dye diffusion and thus levelness. 3. Dissolves and disperses impurities in the fiber. 4. Stable to substances causing hard water. 5. Low-foaming.	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid.	Anionic
712	710	DYLEY-DA-DLP	Dyley-DA-DLP is a levelling and dispersing agent for dyeing polyester fibers with disperse dyestuffs by the HT process.	1. Fluorescent whitening of polyester fibers with disperse FWAs by the HT process. 2. Dyeing the polyester component of polyester / cellulosic blends by the HT process. 3. Pronounced dispersing properties. 4. Very good levelling effect. 5. Prevents filtration of dyestuffs. 6. Does not increase the AOX content of waste water. 7. Readily soluble in water. 8. Pumpable.	Aryl-polyglycol ether derivative	Anionic
713	711	DYLEY-DFL	Dyley-DFL is a levelling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	1. Good levelling and migration properties. 2. Marked diffusion-accelerating effect. 3. Very good dispersing properties. 4. Build-up on tone. 5. Permits level dyeing's under critical dyeing conditions. 6. Improves in-out levelness in dyeing on circulating liquor machines. 7. Suitable for levelling faulty dyeing's. 8. Improves coverage of material with varying affinity. 9. Promotes more uniform exhaustion of dye combinations, thus creating ideal conditions for level dyeing.	Carboxylic and phosphoric acid esters of aromatic compounds	Anionic
714	712	DYLEY-FF-M	Dyley-FF-M is a versatile dispersing, leveling and emulsifying agent. It keeps the insoluble dye particles in fine dispersion and prevents re-deposition on the substrate. Thus it is useful in the dyeing of disperse dyes, acetate dyes, acid dyes, chrome dyes and naphthol dyeing. It also helps in smooth running of the pad bath hence preventing roller build up.	1. It's a Multipurpose hence Used as levelling, dispersing, emulsifying agent hence less inventory 2. It's versatile, hence suitable for cotton, Polyester, wool silk and nylon. 3. It gives good dispersing / emulsifying action hence can prevent silicones spots in finishing of longer batched under adverse conditions.	Alkyl alcohol ethoxylate	Non-ionic
715	713	DYLEY-LAFS/CONC	Dyley-LAFS-Conc is a dispersing and levelling agent for disperse dyes. It is an excellent water soluble emulsifier having rapid wetting & solubilizing properties, and possessing good versatility as dispersant for pigments.	1. It shows resistance to hydrolysis and may be used in a range of acidic and alkaline formulations. 2. Helps in removing unfixed or loose dyestuffs and does not loose re-deposition of the dyestuffs. 3. Is used as dye-leveling agent for fixation of disperse dyes printing on polyester fabrics in high speed continuous dyeing. 4. Is used as an excellent dispersing agent for lime soap in detergent & used as an auxiliary for re-dyeing of uneven disperse dyeing. 5. Use of Dyley-LAFS-Conc for washing dispersed color printed goods.	Polyoxyethylene ether ester	Non-ionic
716	714	DYLEY-LDG	Dyley-LDG is a low-foaming leveling agent and dyeing accelerator with strong diffusion-promoting properties for HT-polyester dyeing's.	1. Support uniform color build-up. High migration properties. 2. Free of phthalic acid ester. 3. Free of APEO or APEO derivatives. 4. Self-emulsifying when pouring into water. 5. Low-foaming, also in HT-range. 6. Suitable for very short liquor ratios. 7. Excellent leveling effects. Suitable for leveling faulty dyeing's. 8. Suitable for carrier and HT-dyeing's, also on beam dyeing machines. Stable to acids, alkalis and electrolytes in common application	Based on aromatic carboxylic acid compound & ethoxylates	Non-ionic
717	715	DYLEY-MBL	Dyley-MBL is a economical levelling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	1. Excellent migration property to the dyes used and therefore eliminates uneven dyeing. Time required in raising the temperature is reduced. 2. In dyeing textured polyester knit & woven fabric it shows an outstanding covering property to eliminate barre' effect. 3. It does not produce any adverse effect on the light fastness nor does it adversely affect the subsequent treatment. 4. Very good dispersing properties. 5. Improves dispersion stability of the dyes in the bath, prevents agglomeration. 6. Permits level dyeing's under critical dyeing conditions. 7. Improves in-out levelness in dyeing on circulating liquor machines. 8. Suitable for levelling faulty dyeing's.	Special Anionic surface active agent	Anionic
718	715	DYLEY-MBL	Dyley-MBL is a economical levelling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	1. Excellent migration property to the dyes used and therefore eliminates uneven dyeing. Time required in raising the temperature is reduced. 2. In dyeing textured polyester knit & woven fabric it shows an outstanding covering property to eliminate barre' effect. 3. It does not produce any adverse effect on the light fastness nor does it adversely affect the subsequent treatment. 4. Very good dispersing properties. 5. Improves dispersion stability of the dyes in the bath, prevents agglomeration. 6. Permits level dyeing's under critical dyeing conditions. 7. Improves in-out levelness in dyeing on circulating liquor machines. 8. Suitable for levelling faulty dyeing's.	Special Anionic surface active agent	Anionic

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715	716	DYLEV-PEC	Dylev-PEC is a levelling, dispersing and migrating agent with diffusion accelerating effect for use in dyeing polyester with disperse dyes under HT conditions. Dyeing polyester fibres and microfibers and polyester/cellulose blends at all stages of processing.	<ol style="list-style-type: none"> <li>1. Excellent migration property to the dyes used and therefore eliminates uneven dyeing. Time required in raising the temperature is reduced.</li> <li>2. In dyeing texturized polyester knit &amp; woven fabric it shows an outstanding covering property to eliminate barre' effect.</li> <li>3. It does not produce any adverse effect on the light fastness nor does it adversely affect the subsequent treatment.</li> <li>4. Very good dispersing properties.</li> <li>5. Improves dispersion stability of the dyes in the bath, prevents agglomeration.</li> <li>6. Permits level dyeing's under critical dyeing conditions.</li> <li>7. Improves in-out levelness in dyeing on circulating liquor machines.</li> <li>8. Suitable for levelling faulty dyeing's.</li> </ol>	Carboxylic and phosphoric acid esters of aromatic compounds	Anionic
720	717	DYLEV-VL	Dylev-VL is a versatile levelling agent for direct/reactive and vat colors. It is a highly effective levelling agent with retarding properties for use when Leuco dyeing with vat dyes and in the clearing of disperse dyes.	<ol style="list-style-type: none"> <li>1. Is an effective levelling and retarding agent when dyeing with vat dyes.</li> <li>2. Promotes level dyeing and penetration of direct dyes on cellulosic materials.</li> <li>3. It is useful assistant for partial stripping of vat dyeing's down to a light ground also.</li> <li>4. Gives an excellent, but none permanent, antistatic effect on synthetic fibers and piece goods especially on carpets.</li> <li>5. Acts as an anti-precipitant where anionic and cationic dyes are present in the same dye bath (e.g. for wool acrylic, differential dyeing nylon etc.).</li> <li>6. Finds use as a dispersing levelling agent when dyeing with acid dyes on wool and wool-nylon blends.</li> </ol>	Fatty alcohol condensate	Non-ionic
721	718	DYRETARD-ANI-NEW	Dyretard-ANI-New is a retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs & cationic dyable polyester fabric.	<ol style="list-style-type: none"> <li>1. Suitable for all types of cationic dyestuffs.</li> <li>2. High leveling power of cationic dyestuffs for polyacrylonitrile fibers &amp; cationic dyable polyester fabric.</li> <li>3. Improves the migration of the basic dyestuffs.</li> <li>4. Intensified dye take up only after reaching the dyeing temperature.</li> </ol>	Quaternary ammonium compound	Cationic
722	719	DYRETARD-PAN/CONC	Dyretard-PAN/Conc is a retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs	<ol style="list-style-type: none"> <li>1. High leveling power of cationic dyestuffs.</li> <li>2. Improves the migration of the basic dyestuffs.</li> <li>3. Intensified dye take up only after reaching the dyeing temperature.</li> </ol>	Quaternary ammonium compound	Cationic
723	720	DYTEC-AO	Dytec-AO is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers.	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive &amp; direct dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness.</li> <li>3. Dissolves and disperses impurities in the fiber.</li> <li>4. Stable to substances causing hard water.</li> <li>5. Low-foaming.</li> </ol>	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid	Anionic
724	721	DYTEC-AO/Conc	Dytec-AO-Conc is an auxiliary to improve the stability of reactive dye solutions when dyeing cellulosic fibers	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness.</li> <li>3. Dissolves and disperses impurities in the fiber.</li> <li>4. Stable to substances causing hard water. Low-foaming.</li> </ol>	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid	Anionic
725	722	DYTEC-AO-PDR	Dytec-AO-PDR is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers.	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive &amp; direct dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness</li> <li>3. Dissolves and disperses impurities in the fiber</li> <li>4. Stable to substances causing hard water. Low-foaming</li> </ol>	Aryl sulphonic acid & amino carboxylic acid.	Anionic
726	723	DYTEC-AO-SPL	Dytec-AO-SPL is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive &amp; direct dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness</li> <li>3. Dissolves and disperses impurities in the fiber</li> <li>4. Stable to substances causing hard water. Low-foaming</li> </ol>	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid.	Anionic
727	724	DYTEC-CP	Dytec-CP improves the stability of reactive dye solutions when dyeing cellulosic fibers.	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive &amp; direct dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness.</li> <li>3. Dissolves and disperses impurities in the fiber.</li> <li>4. Stable against high salt-concentration &amp; against water-hardness.</li> <li>5. It is low-foaming.</li> </ol>	Alkyl aryl sulphate aqueous preparation.	Anionic
728	725	DYTEC-DAN	Dytec-DAN is a high performance, non-staining dispersing agent for the producing level dye shades on polyester with disperse dyes in high temperature exhaust dyeing systems. It possesses in-built dispersing action on polyester oligomer to eliminate problems of lower rub-fastness in package dyeing and simultaneously clears oligomer residues in the machine.	<ol style="list-style-type: none"> <li>1. Does not stain polyester and ensures optimum brightness and color clarity even in pale shades and with fluorescent optical whiteners.</li> <li>2. Maintains its high dispersing efficiency throughout heating and cooling cycle and so prevents dyestuff agglomeration and surface re-deposition which if often encountered in heavy shades.</li> <li>3. It has excellent in-built dispersing action on polyester oligomer and can be used as an efficient cleaning agent for oligomer deposits that may have accumulated in the dyeing equipment</li> <li>4. Maintains a stable dispersion in the presence of high electrolyte concentration and is therefore suitable for use in one-bath dyeing processes for polyester cellulosic and polyester wool blends. Is low foaming and highly effective even at low concentration levels in the dyebath.</li> </ol>	Sodium poly[(naphthalene formaldehyde)sulfonate]	Anionic
729	726	DYTEC-DAN-30-M	Dytec-DAN-30-M is a high performance, non-staining dispersing agent for the producing level dye shades on polyester with disperse dyes in high temperature exhaust dyeing systems. It possesses in-built dispersing action on polyester oligomer to eliminate problems of lower rub-fastness in package dyeing and simultaneously clears oligomer residues in the machine.	<ol style="list-style-type: none"> <li>1. Does not stain polyester and ensures optimum brightness and color clarity even in pale shades and with fluorescent optical whiteners.</li> <li>2. Maintains its high dispersing efficiency throughout heating and cooling cycle and so prevents dyestuff agglomeration and surface re-deposition which if often encountered in heavy shades.</li> <li>3. It has excellent in-built dispersing action on polyester oligomer and can be used as an efficient cleaning agent for oligomer deposits that may have accumulated in the dyeing equipment</li> <li>4. Maintains a stable dispersion in the presence of high electrolyte concentration and is therefore suitable for use in one-bath dyeing processes for polyester cellulosic and polyester wool blends. Is low foaming and highly effective even at low concentration levels in the dyebath.</li> </ol>	Sodium poly[(naphthalene formaldehyde)sulfonate]	Anionic
730	727	DYTEC-DF	Dytec-DF is an acid buffer and dispersant for dyeing of polyester and polyester/cellulosic blends.	<ol style="list-style-type: none"> <li>1. Maintains a constant pH during the dyeing process.</li> <li>2. It often replaces the dispersant.</li> <li>3. It has sequestering action on heavy metals.</li> <li>4. Does not foam.</li> <li>5. It is easy to handle in the liquid commercial form.</li> <li>6. It is phosphate free</li> </ol>	Based on phosphate free organic compounds	Anionic
731	728	DYTEC-FD	Dytec-FD is an alkali-liberating auxiliary for fixing reactive dyes on cellulosic fibers	It is used as an acid binding reagent in the textile industry to improve the absorption of disperse dyes on cellulosic and polyester fibers	Based on sodium trichloroacetate	Anionic
732	729	DYTEC-LDB	Dytec-LDB is used in dyeing of polyester fibers with dyes at all storages of processing in HT processes on jets and circulating liquor machines. Dytec-LDB is recommended for pH sensitive dyes and also recommended for dyeing of polyester blends.	<ol style="list-style-type: none"> <li>1. Good buffer capacity. Robust dyeing system "Right First Time" hence cost savings.</li> <li>2. No problems with correct pH measurement: No pH change through electrolytes and added substance to the dyebath.</li> <li>3. No impact on fastness: Compatible with all auxiliaries and UV absorbers.</li> <li>4. No extra addition of acid required to adjust the pH Easy and safe handling.</li> <li>5. Non-foaming: Suitable for jets.</li> </ol>	Organic acid and salts	Anionic
733	730	DYTEC-LR-D	Dytec-LR-D is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers.	<ol style="list-style-type: none"> <li>1. Improves the stability of reactive &amp; direct dyes in solution when dyeing cellulosic and PES/CEL blends</li> <li>2. Improves dye diffusion and thus levelness.</li> <li>3. Dissolves and disperses impurities in the fiber.</li> <li>4. Stable to substances causing hard water.</li> <li>5. Low-foaming.</li> </ol>	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid.	Anionic
734	731	DYTEC-PD	Dytec-PD is levelling and dispersing agents for dyeing polyester fibers with disperse dyestuffs by the HT process.	<ol style="list-style-type: none"> <li>1. Fluorescent whitening of polyester fibers with disperse FWAs by the HT process.</li> <li>2. Dyeing the polyester component of polyester / cellulosic blends by the HT process.</li> <li>3. Pronounced dispersing properties.</li> <li>4. Very good levelling effect.</li> <li>5. Prevents filtration of dyestuffs.</li> <li>6. Does not increase the AOX content of waste water.</li> <li>7. Readily soluble in water.</li> <li>8. Pumpable.</li> </ol>	Aryl-polyglycol ether derivative	Anionic

	A	B	C	D	E	F
732	732	DYTEC-WPA	Dytec-WPA has high chelation properties thus preventing deposition of Ca, Mg scales and heavy metal ions on fabric and equipment's. It is an effective dye bath conditioner; controls precipitate formation in dye bath due to impurities. It is also suitable for processing of substrates in Re-Cycled water.	1. Action based on dispersing and calcium/magnesium-inactivating properties: - Disperses sparingly soluble calcium and magnesium salts. Inactivates calcium and magnesium ions present in hard water and on cotton. 2. Dispersing properties: - Disperses the sparingly soluble salts that are formed from calcium and magnesium (e.g. calcium carbonate) and precipitated dyes and hardness ions. Improves dyebath stability Promotes the best possible conditions for level dyeing's. 3. Inactivating properties: - Has a "softening effect" on the dyebath. Prevents stains, markings and unevenness. Increases yield and improves reproducibility of dyeing's produced with dyes that are sensitive to calcium and magnesium. 4. Binds heavy metal ions in water: - Binding with dyes sensitive to iron and/or copper. 5. Improves dye solubility: - Prevents dye agglomeration induced by hard water or salt additions. 6. Surfactant-free, non-foaming formulation: - Has no retarding action and does not impair yield or reproducibility of dyeing's. Suitable for jet and overflow machines. 7. No de-metalization of dyes: - No shade change or impaired light fastness.	Complexing agent & polymers	Anionic
735	733	DYTEC-XX	Dytec-XX is an auxiliary to improve the stability, leveling of reactive & direct dye solutions when dyeing cellulosic fibers.	1. Improves the stability of reactive & direct dyes in solution when dyeing cellulosic and PES/CEL blends 2. Improves dye diffusion and thus levelness. 3. Dissolves and disperses impurities in the fiber. 4. Stable to substances causing hard water. 5. Low-foaming.	Aqueous preparation of aryl sulphonic acid & amino carboxylic acid	Anionic
736	734	AQUASIL-4081	Aquasil-4081 is a durable concentrated hydrophilic silicone softener designed to exhibit natural soft & flexible hand feel to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure. Treated fabrics exhibits excellent water retention properties. Excellent maintenance of the absorptive properties of hydrophilic textiles.	1. Imparts natural softening without hampering the hydrophilicity of the fabric. Softener to be used along with moisture management system. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Towels appear bulked. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties. 6. Low viscosity & pumpable. 7. Suitable for auto-dispensing systems. 8. Excellent hydrophilic character & can be used along with moisture management product.	Modified amino siloxane	Weakly cationic / non-ionic
737	735	DERMASIL-SFC	Dermasil-SFC is fluoro carbon compatible silicone.	1. Does not interfere with soil release properties of fabrics treated with fluorocarbon soil release agents. 2. Non-yellowing. 3. Shear stable. 4. High level of softness suitable for all type of fabrics. 5. By pad, exhaust application. Provides re-wetting properties to fabrics.	Modified polysiloxane & specialty surfactants	Non-ionic
738	736	DERMASIL-SRS-NEW	Dermasil-SRS-New 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 Dermasil-SRS-New is durable for numerous detergent washes.	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. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends. 7. In addition, fabrics treated with Dermasil-SRS-New are not hydrophobic. It imparts a slow wetting durable hydrophilic character to fabrics.	Amino polyalkyleneoxide copolymer	Non-ionic
739	737	POWERSIL-RS-30	Powersil-RS-30 is a novel textile softener of linear polydimethylsiloxane amino polyalkyleneoxide copolymer. It is designed to provide soft, silky, hand to fabrics.	1. Provides a high level of softness & surface smoothness for all types of synthetic fabric especially polyester & their blends like PV & PC. 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	Block silicone	Non-ionic
740	738	ProLube-OFX	ProLube OFX is a Silanol-terminated polydimethylsiloxane fluid for variety of use. Emulsion are used in rubber & plastic industries	Widely used for a variety of material such as plastic and rubber mold release, building caulking, insulation of electronic components, shockproof, moisture proof, anti-corrosion, rubber and plastic products molding, ejection and as leather slip agent, lubricating agent,	Silanol-terminated polydimethylsiloxane	Nonionic
741	739	SYLAST-267	Sylast-267 is a ready to use fully formulated polysiloxane based product designed for application as sewing thread lubricant by P.A. Winding or Godet method.	1. Excellent sewability. 2. Reduces coefficient of friction. 3. Efficient for high speed sewing line. 4. Improved production efficiency. 5. Improved luster, corrosion of machineries	Blend of polysiloxane and waxes	Non-ionic
742	740	SYLAST-DSWS-70	Sylast-DSWS-70 is a ready to use fully formulated polysiloxane based product designed for application as sewing thread lubricant by P.A. Winding or Godet method.	1. Excellent sewability. 2. Reduces coefficient of friction. 3. Efficient for high speed sewing line. 4. Improved production efficiency. 5. Improved luster.	Blend of polysiloxane and waxes	Non-ionic
743	741	SYLAST-DSWS-C	Sylast-DSWS-C is a ready to use fully formulated polysiloxane based product designed for application as sewing thread lubricant by P.A. Winding or Godet method.	1. Excellent sewability. 2. Reduces coefficient of friction. 3. Efficient for high speed sewing line. 4. Improved production efficiency. 5. Improved luster	Blend of polysiloxane and waxes	Weakly cationic
744	742	SYLAST-CV-60	Sylast-CV-60 is a non-ionic oil-in-water-emulsion of a medium viscosity polydimethylsiloxane dispersed in water, recommended for use in various industries and especially for the heat-set rotation presses in the printing industry.	1. It has Good water-repellent properties and good lubricating power. 2. It creates a thin, shiny film which brightens the colors. 3. Perfect resistance against heat: no thermal degradation leaving carbonaceous residues.	Functional polysiloxane	Non-ionic
745	743	SYLAST-HML	Sylast-HML is a water free hot melt lubricant for application by lick roller or dosing pumps at a final winder. The lubricant is suitable for all types of sewing threads, particularly for Polyester. It is also used for PES-CO & CO and embroidery yarns made from cotton, viscose, rayon & polyester	1. Gives very good smoothing properties with low level of tension peaks over thread guides & tensioning devices. 2. Provides protection against heat & very good sewability. 3. Prevents static charge. 4. Shows non-yellowing when exposed to nitrogen oxides during storage. 5. Does not contaminate waste water when correctly used.	Non-aqueous formulation of silicone, waxes & additives	Ninionic
746	744	AQUASIL-6138	Aquasil-6138 is a durable non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, greasy & bulky hand while retaining the fabrics original water absorbency & pile. Treated fabrics exhibits excellent water retention properties suitable for Terry, Cotton knits and its blends.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 4. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties	Emulsion of modified amino siloxane	Weakly Cationic
747	745	AQUASIL-6746	Aquasil-6746 is a durable non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, greasy & bulky hand while retaining the fabrics original water absorbency & pile. Treated fabrics exhibits excellent water retention properties.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 4. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties	Emulsion of modified amino siloxane	Weakly Cationic
748	746	AQUASIL-DSQ/Powersil DSQ	Aquasil-DSQ is a durable hydrophilic, non-yellowing silicone softener designed to exhibit natural soft voluminous hand on all type of fabric substrates. It exhibits outstanding shear stability & non-yellowing properties. It is shear stable & hence suitable in high turbulence equipment's like JET, Soft flow machine etc.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Towels appear bulked and extremely soft. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties.	Emulsion of modified amino siloxane	Weakly cationic
749						



	A	B	C	D	E	F
	747	AQUASIL-MHF	Aquasil-MHF is a durable non-yellowing hydrophilic silicone softener designed to exhibit excellent soft, greasy & bulky hand while retaining the fabrics original water absorbency & pile. Treated fabrics exhibits excellent water retention properties suitable for Terry, Cotton knits and its blends.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 4. Imparts good moisture management finish & hence suitable for PE & PE rich blended fabrics. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties	Emulsion of modified amino siloxane	Weakly Cationic
750	748	AQUASIL-RAW	Aquasil-RAW is a durable hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Towels appear bulked and extremely soft. 3. It confers a very soft, voluminous handle with good surface smoothness. Excellent maintenance of the absorptive properties of hydrophilic textiles 7. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
751	749	AQUASIL-SHF	Aquasil-SHF is a hydrophilic silicone softener designed to exhibit luxuriously soft & voluminous handle to regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure.	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
752	750	AQUASIL-SI	Aquasil-SI is a economical hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of fabrics	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
753	751	AQUASIL-SMM	Aquasil-SMM is a durable hydrophilic silicone softener designed to exhibit natural soft & flexible hand feel to all types of fabrics irrespective of composition & structure.	1. Low viscosity & pumpable. 2. Excellent hydrophilic character & can be used along with moisture management product. 3. In polyester fabric when used along with moisture management, it does not leave water mark.	Modified amino siloxane	Weakly cationic / non-ionic
754	752	AQUASIL-TSH	Aquasil-TSH is a durable hydrophilic silicone softener designed to exhibit very soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Towels appear bulked and extremely soft. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
755	753	AQUASIL-TSP	Softener and smoothing agent for woven and knitted fabrics composed of cellulosic fibres, wool and synthetic fibres and their blends.	1. Improves the tear strength, abrasion resistance and sewability. Gives a very smooth, soft handle. Very good wash resistance. 2. It exhibits very soft smooth greasy handle on knits. 3. Greater stability to shearing forces & hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 5. Stable over wider range of temperature. 6. Increases the resilience of wovens and improves the elastic recovery of knits.	Emulsion of modified amino siloxane	Non-ionic
756	754	AQUASIL-WRT	Aquasil-WRT is a durable concentrated hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blends of fabrics irrespective of composition & structure. It confers a very soft, voluminous handle with good surface smoothness. Excellent maintenance of the absorptive properties of hydrophilic textiles	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. 2. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable. 4. Towels appear bulked and extremely soft. 5. Stable over wider range of temperature. Improved soft, smooth hand and soil release properties. 6. Low viscosity & pumpable. 7. Suitable for auto-dispensing systems	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
757						
758	755					
759	756	DERMASIL-DIQ	Dermasil-DIQ is a amido softener designed to exhibit luxuriously soft & flexible hand feels to all types of cellulosic, regenerated cellulosic & cellulosic blended fabrics & garments, irrespective of composition & structure	1. Imparts durable, wash resistant softness to fabrics. 3. Non-yellowing & shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
	757	FLEXSIL-621	Flexsil-621 is a premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. The hydrophilic properties imparted show practically no change with ageing or extreme drying conditions.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods.	Linear polyquaternary-polysiloxane polyalkyl allyleneoxide copolymer	
760	758	FLEXSIL-HFT	Flexsil-HFT is a premium hydrophilic softener imparting very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. The hydrophilic properties imparted show practically no change with ageing or extreme drying conditions.	1. Very soft, smooth handle, outstanding hydrophilicity. 2. Excellent pH stability. 3. Very low yellowing. 4. Improves sewing properties. 5. Good antistatic properties. 6. High exhaustion. 7. High degree of whiteness. 8. Distinct, core softness, particularly on terry cloth materials or functional sport wear. 9. Extremely stable to shearing, can be applied on jet dyeing machines. 10. Very good re-wettability of the finished fabric. 11. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener).	Block silicone fluid	Slightly cationic
761	759	FLEXSIL-HSSD-80	Flexsil-HSSD-80 is a ternary block functional silicone copolymer, which combines several chemical entities in one linear molecule (siloxane, polyamine & polyether copolymer). It is a new textile auxiliary agent designed to deliver a hydrophilic, soft, silky hand feel to all types of fabrics at lower dosage. It is an efficient hydrophilic silicone softener for a wide range of fabrics, such as 100% cotton, polyester/cotton blends, wool, rayon and acrylic woven, nonwovens and knits.	1. Flexsil-HSSD-80 treated fabric gives natural handle than the traditional hydrophilic amino-modified silicone softeners. 2. It is suitable for different types of fiber (e.g. cotton, wool, man-made fibers i.e. synthetics like polyester, nylon, viscose fibers, silk, and blended), especially for cotton (like kinds of bathroom towel), give cotton fabric the hydrophilic and superb softness. 3. Excellent using safety and environmentally friendly. 4. Excellent compound compatibility, fabric can be directly re-dyed after finished by Flexsil-HSSD-80. 5. Acid and alkali resistant, high temperature resistant, high shear resistance. 6. No roller buildup, no de-emulsification or floating oil and no silicone spot. 7. Gives excellent water retention & moisture management properties	Ternary block functional silicone copolymer	Weakly cationic / non-ionic
762	760	FLEXSIL-OP-88	Flexsil-OP-88 is a premium hydrophilic silicone fluid imparting a very soft silky handle while virtually maintaining the original substrate whiteness & hydrophilicity. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. The hydrophilic properties imparted show practically no change with ageing or extreme drying conditions.	1. Superior affinity for many of the fabrics. 2. Easy to emulsify. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods	Linear polyquaternary-polysiloxane polyalkyl allyleneoxide copolymer	Weakly cationic / non-ionic
763	761	FLEXSIL-RHF	Flexsil-RHF is hydrophilic silicone fluid imparting a soft handle while maintaining the original substrate whiteness & hydrophilicity. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. The hydrophilic properties imparted show practically no change with ageing or extreme drying conditions.	1. Superior affinity for many of the fabrics. 3. Imparts durable hydrophilic softness to fabrics. 4. Imparts lubricity to fabrics. 5. Causes virtually no yellowing of white or light shade goods.	Linear polyquaternary-polysiloxane polyalkyl allyleneoxide copolymer	Weakly cationic / non-ionic
764	762	POWERSIL-208	Powersil-208 is a self-dispersing polyether-amino-functional silicone fluid. It considerably improves the wear comfort of textiles and is therefore particularly suitable for use with non-woven and terry goods.	1. The hydrophilic properties allows unrestricted moisture transport within the fabric, together with the excellent hand. 2. It does not generally affect the color shade or fastness of colored goods. 3. It bonds more strongly to the fiber surface than glycol- and quat-functional polysiloxanes. This leads to better exhaustibility and wash resistance. 4. Formulations based on it have a pH stability that extends well into the alkaline range. 5. It offers good shear stability.	Self dispersible linear AB quat	Cationic
765	763	POWERSIL-500	Powersil-500 imparts a pleasant, soft, supple hand to woven and knitted fabrics as well as to towels	1. Finishing with it improves the moisture management of the treated textiles. 2. Additionally wash-and-wear properties and the crease recovery angle, sewability and tear strength are increased and abrasion loss is reduced. 3. It does not generally affect the color shade or fastness of colored goods.	Based on silicone fluid	Non-ionic
766						

	A	B	C	D	E	F
764	POWERSIL-6039	Powersil-6039 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester& polyester viscose fabrics. It is Shear stable	1. Shear stable elastomeric silicone softener with excellent soft hand. 2. Excellent elastomeric effect. 3. Very good bath compatibility with other bath ingredients. 4. Effectively solved the problem of demulsification and sticking to the roller. 5. It gives excellent surface smoothness on cotton & viscose rayon fabric. 6. It has high performance on price ratio compared with the other common blocking silicon oil.	Emulsion of modified amino siloxane	Slightly cationic	
765	POWERSIL-6315	Powersil-6315 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester& polyester viscose fabrics. It is Shear stable	1. Shear stable elastomeric silicone softener with excellent soft hand. 2. Excellent elastomeric effect. 3. Very good bath compatibility with other bath ingredients. 4. Effectively solved the problem of demulsification and sticking to the roller. 5. It gives excellent surface smoothness on cotton & viscose rayon fabric. 6. It has high performance on price ratio compared with the other common blocking silicon oil.	Emulsion of modified amino siloxane	Slightly cationic	
766	POWERSIL-SBK	Powersil-SBK endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester& polyester viscose fabrics.	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-SBK gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil.	Emulsion of modified amino siloxane	Non-ionic	
767	PROFINISH-VNO	Profinish-VNO is a universal soft handle finishing agent for CO, CV and their blends. It is easily dispersible in water. It does not cause yellowing of fabrics.	1. Universal soft handle finishing of CO, CV and their blends. 2. Raising lubricant for cellulosic fibers. 3. Suitable for white goods. 4. Compatible with resin finishing agents. 5. Compatible with optical brighteners. 6. Low volatility.	Fatty acid condensation product	Non-ionic	
768	PROFINISH-VNUM	Profinish-VNUM is a softening agent with very good sewability. It is suitable for cotton and its blend with synthetics. Applicable by pad& exhaust method. It is suited for application on jet dyeing machines or for a spray process (WEKO). It is suitable for dyed fabrics and white goods.	1. It is an excellent softener for all kinds of fibers. 2. Especially good effects result on cotton and its blends with synthetics. 3. Fabrics treated with it show a very soft voluminous and smooth handle. 4. It improves the sewability of woven and knitted fabrics due to its additives of polyethylene & silicone. 5. It is low foaming and shear resistant and therefore suitable to be used in modern short liquor machines. 6. It is practically not yellowing up to a drying temperature of 140°C. 7. This also applies for optically brightened white goods.	Fatty acid condensation product/polyethylene & silicone derivative	Cationic	
769	POWERSIL-NTM	Powersil-NTM delivers a luxuriously soft and flexible hand feel to all types of cellulosic, regenerated cellulosic and cellulosic blends of fabrics and garments, irrespective of composition and structure. This is further enhanced by a deep, voluminous and smooth softness that is not usually associated with silicone materials.	1. Slippery, voluminous and in-depth softness on virtually all types of fabrics as opposed to a greasy hand feel. 2. Due to excellent exhaustibility and affinity with fibers, exhibits unique and unusually powerful softness effect at low use levels. 3. Quickly absorbs and perspiration; minimal impact on the hydrophilic nature of cotton and cotton blends. 4. Provides stretch recovery with bouncy and drapable effect, particularly on knits. 5. Almost self-emulsifiable; can generate emulsions that possess high shear and pH stability acid & alkaline. 6. Exhibits durable softness to home laundry washes particularly on cellulose based fabrics. 7. Causes virtually no yellowing of white and light shade fabrics. 8. Typically does not affect the shade of dark color fabrics.	Linear polyquaternary-polyloxane polyalkyl alkyleneoxide copolymer	Cationic	
770	POWERSIL-THS	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1.0 fibers softness along with hydrophilicity to cotton and other natural fabrics. 2. does not cause any yellowing on white fabrics.	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic	
771	POWERSIL-WTS	Powersil-WTS is a hydrophilic silicone softener for comfort and easy care finish. It is a semi macro silicone emulsion for fuller and bulky handle. It imparts very good Hydrophilicity and surface smoothness on terry towels & knits made of cellulose and its blends.	1. Imparts excellent soft bulky handle. 2. Good hydrophilic properties and water retention. 3. Imparts fabric comfort and surface smoothness. Good water retention required for high end towels is well achieved by customized recipes involving this product. 4. Allows production of fabrics and garments with a high whiteness and minimal shade change on colored fabrics.	Proprietary silicone copolymer with reactive groups	Weakly Cationic / Non-ionic	
772	DERMASIL-5853	Dermasil-5853 is a novel textile softener of linear polydimethylsiloxane amino polyallyleneoxide copolymer. It is designed to provide soft, silky, hand to fabrics. The softness provided by Dermasil-5853 is durable for numerous detergent washes. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends.	1. Provides a high level of softness & surface smoothness for all types of synthetic fabric especially polyester & their blends like PV & PC. 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.	Emulsion of siloxanes and silicones, polyether	Non-ionic	
773	FLEXSIL-490	Flexsil-490 is a new generation textile softener for knitted & woven fabrics of cotton, polyester, viscose, lycra & there blends. Can be applied by pad & exhaust method.	1. Treated fabric imparts excellent soft & silky handle. 2. It has several benefits compare to standard amino silicone softener like shear stability, low yellowing, less hydrophobicity & better hand feel at lower active silicone levels. 3. It is self-emulsifiable emulsion with outstanding stability. 4. Ultra-low yellowing. 5. Doesn't contain emulsifiers hence no thermo-migration problems. 6. Excellent stability under most finishing conditions, including jet/overflow. 7. Excellent fiber elasticity and shape recovery.	Polyether amino functional fluid	Weakly cationic / non-ionic	
774	LUBASOFT-EC	Lubasoft-EC not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by it is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic	
775	LUBASOFT-NEW	Lubasoft-NEW not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic	
776	LUBASOFT-S	Lubasoft-S not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic	
777	MICROTEK-AS-ECO	Microtek-AS-ECO is block silicone emulsion. It not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Microtek-AS-ECO is durable for numerous detergent washes.	1. The new modified group endows the fabric with excellent soft, smooth, silky handle. 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance.	Polysiloxanes, Polyether	Weakly cationic / Non-ionic	

	A	B	C	D	E	F
	778	MICROTEK-SS-EC	Microtek-SS-EC is block silicone emulsion. It not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Microtek-SS-EC is durable for numerous detergent washes. In addition, fabrics treated with it are not hydrophobic. It imparts a slow wetting durable hydrophilic character to fabrics.	1. The new modified group endows the fabric with excellent soft, smooth, silky handle. 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance.	Polydimethylsiloxane, Polyether	Weakly cationic / Non-ionic
781	779	POWERSIL-5837	Powersil-5837 is designed to provide soft, silk hand to fabrics. The softness provided by it is durable for numerous detergent washes.	1. Provides a high level of softness for all types of synthetic fabric especially polyester & their blends. 2. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 3. Dilutions are extremely shear stable. Easily diluted with water. 4. It is self-emulsifiable emulsion with outstanding stability. 5. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends.	Polydimethylsiloxane with functional groups (aqueous emulsion)	Weakly cationic / non-ionic
782	780	POWERSIL-6053	Powersil-6053 treated fabric gives excellent surface smoothness & softness on Polyester viscose suiting, PC blends, etc. Best softener for PV suiting.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Non-ionic
783	781	POWERSIL-6084	Powersil-6084 is a silicone softener composed of amino modified polysiloxane as its principal active compound. It imparts excellent lubrication and smoothness. It increases tensile resilience, gives springy elastic handle and a unique softness on various fabrics. It has a strong affinity for all fibres since it has a reactive amino functional group in its structure.	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness crease resistance, flexibility and lubricants especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle.	Modified polysiloxane & specialty surfactants	Weakly cationic / non-ionic
784	782	POWERSIL-6302	Powersil-6302 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
785	783	POWERSIL-6332	Powersil-6332 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, rayon fabrics	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. May be co-applied with crease (durable press) resist resins, their catalysts and optionally OBA's. 5. Excellent fiber elasticity and shape recovery.	Block amino silicone emulsion	Weakly cationic / non-ionic
786	784	POWERSIL-6347	Powersil-6347 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as on PV fabric it gives good surface	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. Excellent fiber elasticity and shape recovery.	Block amino silicone emulsion	Weakly cationic / non-ionic
787	785	POWERSIL-6351	Powersil-6351 is a novel textile softener designed to provide soft, talcum powder or powdery like feel to fabrics, especially synthetics. The softness provided by Powersil-6351 is durable for numerous detergent washes.	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. 5. Water dilutions have excellent compatibility with finishing baths. 6. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends. 7. In addition, fabrics treated with Powersil-6351 are not hydrophobic. It imparts a slow wetting durable hydrophilic character to fabrics.	Emulsion of modified amino siloxane	Non-ionic
788	786	POWERSIL-6362	Powersil-6362 not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-BRK is durable for numerous detergent washes	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic
789	787	POWERSIL-6396	Powersil-6396 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
790	788	POWERSIL-6401	Powersil-6401 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
791	789	POWERSIL-6402	Powersil-6402 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
792	790	POWERSIL-6798	Powersil-6798 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.	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
793	791	POWERSIL-6805	Powersil-6805 is a novel textile softener of linear polydimethylsiloxane amino polyallylenoxide copolymer with PU back bone .	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. Treated fabric shows excellent elastomer effect	Emulsion of siloxane & silicones, polyether	Non-ionic
794	792	POWERSIL-BPV	Powersil-BPV is a novel textile softener of linear polydimethylsiloxane amino polyallylenoxide copolymer. It is designed to provide soft, silky, hand to fabrics. The softness provided by Powersil-BPV is durable for numerous detergent washes. It imparts superior softness and very low yellowing compared to conventional amino silicones when applied to a wide variety of fabrics of polyester fabric & their blends.	1. Provides a high level of softness & surface smoothness for all types of synthetic fabric especially polyester & their blends like PV & PC. 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.	Emulsion of siloxanes and silicones, polyether	Non-ionic
795						

	A	B	C	D	E	F
793		POWERSIL-BRK-M	Powersil-BRK not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-BRK is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic
796						
794		POWERSIL-BRK-S	Powersil-BRK-S not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-BRK-S is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic
797						
795		POWERSIL-FLS	Powersil-FLS 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.	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
798						
796		POWERSIL-RAS-NEW	Powersil-RAS-NEW 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. On polyester rugs fabric it gives rabbit hair type soft smooth feel	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
799						
797		POWERSIL-SPV	Powersil-SPV not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-SPV is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Works at very low dosage. 8. May be used with most types of typical equipment's for textile finishing 9. Shear stable hence suitable in application in high turbulence equipment's like JET, Soft flow machine etc. 10. Suited for all type of fabrics especially polyester & polyester rich blend.	Block amino silicone emulsion	Non-ionic
800						
798		POWERSIL-SSX-F	Powersil-SSX-F is a fluid 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.	Emulsion of siloxane & silicones, polyether	Weakly cationic / non-ionic
801						
799		PRODUCT-PL-G	Product-PL-G is block silicone emulsion. It not only can help provide in-depth softness and slickness, but also features resistance fabric whiteness, re-dye ability, over dye ability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Product-PL-G is durable for numerous detergent washes.	1. The new modified group endows the fabric with excellent soft, smooth, silky handle. 2. Effectively solved the problem of demulsification and sticking to the roller. 3. Outstanding compatible performance. 4. If complexed with the amino silicone oil, it will improve the application performance.	Polysiloxanes, Polyether	Weakly cationic / Non-ionic
802						
800		DAZZSOFT-6484	Dazzsoft-6484 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, raised fabric, PES mink, PES rugs and its blends.	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. May be co-applied with crease (durable press) resist resins, their catalysts and optionally OBA's. 5. Excellent fiber elasticity and shape recovery.	Block amino silicone emulsion	Weakly cationic / non-ionic
803						
801		POWERSIL-6212	Powersil-6212 endows the fabric with excellent soft, surface smoothness & silky handle. It has outstanding stability at the high temperatures. Treated fabric delivers soft, surface smooth, silky feel to various fabrics, especially the plain fabrics, such as trousers, polyester & polyester viscose fabrics	1. Effectively solved the problem of demulsification and sticking to the roller. 2. Outstanding compatible performance. Economical 60% self dispersible block 3. If complexed with the amino silicone oil, it will improve the application performance. 4. Powersil-6212 gives excellent surface smoothness on cotton & viscose rayon fabric. 5. It has high performance on price ratio compared with the other common blocking silicon oil.	Emulsion of modified amino siloxane	Non-ionic
804						
802		POWERSIL-6483	Powersil-6483 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, raised fabric, PES mink, PES rugs and its blends.	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. May be co-applied with crease (durable press) resist resins, their catalysts and optionally OBA's. 5. Excellent fiber elasticity and shape recovery.	Block amino silicone emulsion	Weakly cationic / non-ionic
805						
803		POWERSIL-6484	Powersil-6484 is used with a variety of fabrics, like cotton woven & knitted, polyester, polyamide, acrylic fabrics and spandex blends, as well as wool, cashmere, fleece fabric, raised fabric, PES mink, PES rugs and its blends.	1. It is self-emulsifiable emulsion with outstanding stability. 2. Ultra-low yellowing. 3. Excellent stability under most finishing conditions, including jet/overflow, etc. 4. May be co-applied with crease (durable press) resist resins, their catalysts and optionally OBA's. 5. Excellent fiber elasticity and shape recovery.	Block amino silicone emulsion	Weakly cationic / non-ionic
806						
804		POWERSIL-6531	Powersil-6531 not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-6531 is durable for numerous detergent washes	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol.	Block amino silicone emulsion	Non-ionic
807						
805		POWERSIL-6580	Powersil 6580 is economical block silicone with excellent soft smooth hand feel especially on cotton woven & knitted fabric & its blends.	1. Ultra-low yellowing 2. Excellent stability under most finishing conditions, including jet/overflow, etc.	Block silicone	Weakly cationic / non-ionic
808						
806		POWERSIL-PCR	Powersil-PCR not only can help provide in-depth softness and slickness, but also features fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Powersil-PCR is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends. 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Non-ionic
809						
807		DERMASIL-WA	Dermasil-WA is a non-ionic macro emulsion of reactive amino modified silicone fluid. It imparts very soft, smooth & elastic handle on woven & knitted fabrics.	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics. 2. Improves wash & wear properties. 3. Improves crease recovery angle, sewability & tear strength. 4. Reduces abrasion loss. 5. Effects are fast to washing & dry cleaning. 6. It has little effect on degree of whiteness. 7. No adverse effect on the shade or color fastness properties of colored goods.	Amino modified silicone fluid	Non-ionic
810						

	A	B	C	D	E	F
808		MICRODERM-ULTRA	Microderm-ULTRA is a semi micro emulsion of a single component, organo functional silicone elastomer for permanent finish on all types of fibres and blends.	1. Excellent elastic resilience. 2. Improved wash & wear effects. 3. Imparts smooth, soft handle. 4. Improved elastic recovery of knitted goods. 5. Prevents loop damage during high-speed industrial sewing. 6. Improves the wet rub fastness of dyed fabrics. 7. Improves dimensional stability of knit goods. 8. It gives excellent deep & bright effect to dyed fabrics. Gives good effect against all kinds of black fabric & excellent color deepening effect especially for polyester & their blend fabrics.	Organo functional silicone	Cationic
809		POLYDERM-12	Polyderm-12 is a semi-micro emulsion of an epoxy modified organo functional silicone elastomer to give permanent finish on all types of fibres and blends.	1. Excellent elastic resilience. 2. Improved wash & wear effects. 3. Imparts smooth, soft handle. 4. Improved elastic recovery of knitted goods. 5. Prevents loop damage during high-speed industrial sewing. 6. Improves the wet rub fastness of dyed fabrics. 7. Improves dimensional stability of knit goods.	Amino modified silicone	Weakly cationic / Non-ionic
810		POWERSIL-210	Powersil-210 is a macro silicone emulsion suitable for the impregnation of all kinds of fibers and textiles. It imparts a very soft, drapable and elastic hand to a wide range of fiber materials such as cotton, polyester, viscose and their mixtures.	1. It improves sewability, wash-and-wear properties, easy iron and crease recovery. 2. It has very little effect on the degree of whiteness. 3. No adverse effect on the shade or color fastness properties of colored goods is observed.	Emulsion of modified amino siloxane.	Non-ionic
811		POWERSIL-AE	Powersil-AE is a macro silicone emulsion suitable for the impregnation of all kinds of fibers and textiles.	1. It improves sewability, wash-and-wear properties, easy iron and crease recovery. 2. It has very little effect on the degree of whiteness. 3. No adverse effect on the shade or color fastness properties of colored goods is observed. 4. It imparts a very soft, drapable and elastic hand to a wide range of fiber materials such as cotton, polyester, viscose and their mixtures.	Silicone fluid emulsion	Nonionic
812		POWERSIL-EBA	Powersil-EBA is an economical color deepening agent designed to increase the depth of primarily cotton and their blended fabrics, dyed in black, navy blue or dark shades by post treatment of fabric.	1. It gives color deepening in dark shades up to 15-30% by pad, dry-cure process. 2. Excellent elastic resilience & soft and smooth handle.	Emulsion of modified amino siloxane	Non-ionic
813		POWERSIL-SBS	Powersil-SBS is a semi-micro emulsion of an epoxy modified organo functional silicone elastomer to give permanent finish on all types of fibres and blends.	1. Excellent elastic resilience. 2. Improved wash & wear effects. 3. Imparts smooth, soft handle. 4. Improved elastic recovery of knitted goods. 5. Prevents loop damage during high-speed industrial sewing. 6. Improves the wet rub fastness of dyed fabrics. 7. Improves dimensional stability of knit goods.	Amino modified silicone	Weakly cationic / Non-ionic
814		PROLUBE-8603	ProLube-8603 imparts excellent softness to all types of woven and knitted fabrics with significantly less yellowing of fabric than is obtained with ethylene diamino functional silicones. The nature of the polymer also allows it to be crosslinked should an elastomeric finish be required.	1. Easily formulated into a stable micro emulsion which can be applied to fabric by padding and exhaustion. 2. It can also be used in conjunction with common textile finish auxiliaries such as crease resist resins.	Amino functional silicone polymer	Weakly cationic / Non-ionic
815		PROLUBE-CBO	ProLube-CBO is a functional silicone fluid for formulating emulsions to impart excellent color deepening and softening properties on textiles. It is particularly suitable as active substance in softener formulations for the impregnation of fibers and textiles. It imparts a very soft, drapable, and elastic handle to woven and knitted fabrics.	1. It is used for the application in all types of textile as textile finishing agent. 2. It is considered to be an excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It imparts excellent color deepening properties on textiles. 4. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. 5. It imparts excellent slickness and resilience to the fiber. 6. It is easily emulsifiable to a stable micro emulsion by simple stirring. 7. Emulsions of ProLube-CBO are highly stable, compatible with resin and show a much better textile finishing performance. 8. It is suitable for application by PAD, Exhaust (drum washer) and spraying.	Reactive functional siloxane	Weakly cationic / Non-ionic
816		PROLUBE-CIO	ProLube-CIO is a functional silicone fluid for formulating emulsions to impart excellent color deepening and softening properties on textiles. It is particularly suitable as active substance in softener formulations for the impregnation of fibers and textiles. It imparts a very soft, drapable, and elastic handle to woven and knitted fabrics.	1. It is used for the application in all types of textile as textile finishing agent. 2. It is considered to be an excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It imparts excellent color deepening properties on textiles. 4. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. 5. It imparts excellent slickness and resilience to the fiber. 6. It is easily emulsifiable to a stable micro emulsion by simple stirring. 7. Emulsion of ProLube-CIO are highly stable, compatible with resin and shows a much better textile finishing performance. 8. It is suitable for application by PAD, Exhaust (drum washer) and spraying.	Reactive functional siloxane	Weakly cationic / Non-ionic
817		PROLUBE-SNP	ProLube-SNP is suitable as active substance in softener formulations for the impregnation of fibers and textiles. It imparts a very soft, drapable, and elastic handle to woven and knitted fabrics.	1. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 2. It has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule no adverse effect on the shade or color fastness properties of colored goods is observed. 3. On woolen fabrics and knit wear, it contributes to a reduction of shrinkage due to its high affinity to the substrate. 4. As part of formulations used as fill fiber finish ProLube-SNP imparts excellent slickness and resilience to the fiber.	Modified amino functional polydimethylsiloxane fluid	
818		CELEXTRA-ECO	CELEXTRA-ECO is shear stable non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures.	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. No effect in dyed shades. 5. Improved tear strength, tensile resilience abrasion resistance, sewability & cut & sew performance. 7. Shear stable.	Functional Polysiloxane	Cationic / Non-ionic
819		CELEXTRA-E	CELEXTRA-E is shear stable non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures.	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. No effect in dyed shades. 5. Improved tear strength, tensile resilience abrasion resistance, sewability & cut & sew performance. 7. Shear stable.	Functional Polysiloxane	Cationic / Non-ionic
820		CELEXTRA-NEW	CELEXTRA-NEW is shear stable non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures.	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. No effect in dyed shades. 5. Improved tear strength, tensile resilience abrasion resistance, sewability & cut & sew performance. 7. Shear stable.	Functional Polysiloxane	Cationic / Non-ionic
821		CELEXTRA-NEW-EC	CELEXTRA-NEW EC is shear stable non-ionic oil in water micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved D.P. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures.	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. Non-yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. Good inter fiber lubricity with reduced blending rigidity resulting in improved drape & full of fabric. No effect in dyed shades. 5. Improved tear strength, tensile resilience abrasion resistance, sewability & cut & sew performance. 7. Shear stable.	Functional Polysiloxane	Cationic / Non-ionic

	A	B	C	D	E	F
	822	DERMASIL-LF	Dermasil LF is a concentrated silicone softener, composed of diamino functional polysiloxane as its principal active compound. It imparts excellent softness and smoothness. It increases tensile resilience, gives springy elastic handle and a unique handle on various fabric substrates. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. APFO free.	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
825	823	LUBALLEN-HK	Luballen-HK is micro emulsion of an organo functional polysiloxane designed for imparting a full, soft silky hand coupled with excellent surface smoothness, improved d.p. ratings & fabric physicals. It is completely non-yellowing even at elevated temperatures	1. Imparts a very soft & silky handle with excellent surface smoothness. 2. No yellowing finish even at high temperatures making it suitable for white fabrics & dyed fabrics with large white grounds. 3. Enhanced wrinkle resistance & wash and wear ratings. 4. No effect in dyed shades. Improved tear strength, tensile resilience abrasion resistance, sewability & cut and sew performance.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
826	824	MICRODERM-8865	Microderm-8865 is a macro epoxy emulsion of a multi-functional elastomeric silicone. It provides superior elastomeric, soft & smooth touch to fabrics. When used alone or in conjunction with appropriate organic softeners, it is capable of exhausting onto fibers & fabrics. Treated fabric exhibits very good bounce.	1. Superior elastomeric, soft & smooth hand. 2. Improve fabric tear strength & wrinkle recovery. 3. Very low yellowing. 4. Good emulsion stability. 5. Exhaustible. 6. One-component system, easy to use.	Epoxy silicone emulsion	Cationic
827	825	MICROSOFT-ECO	Microsoft-ECO is a micro emulsion concentrate of specially engineered amino modified silicone. It imparts an exceptionally soft full hand & luxurious handle along with improved resilience & fabric physicals.	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. Further provided flexibility by allowing appropriate dilution based on following parameters: a) Fabric to liquor ratio, b) Desired finishes i.e. softness etc. and c) Cost of finish. 3. Premium softness & silky luxuries handle on woven & knitted fabrics. 4. Improvement in fabric physicals, tears strength, abrasion resistance, cut and sew performance, bending rigidity and co-efficiency of friction. 5. Improvement in strength & recovery in knitted fabrics (elastomeric property).	Functional polysiloxane	Cationic / Non-ionic
828	826	POLYDERM-HI-8	Polyderm-HI-8 is a cationic emulsion polymer of a proprietary re-equilibrated organo functional polysiloxane and biodegradable surfactants.	1. It improves the elasticity of finished fabrics and resilience. 2. It imparts luster, enhances depth of dyed shade and improves its color value. 3. It improves fabric crease resistance and D.P. appearance ratings. 4. It improves tear and tensile strengths, abrasion resistance & cut & sew performance. 5. On knits it improves bursting strength and prevents bagging during wear.	Emulsion of modified amino siloxane	Cationic
829	827	POWERSIL-3735-N	Powersil-3735-N 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 it is particularly designed to the degree of fabric softness. It penetrates deep into the fiber bundle giving a luxurious soft handle. Suitable for nylon knits.	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Emulsion of modified amino siloxane	Weakly cationic
830	828	POWERSIL-5910	An innovative concentrated microsilicone softener for padding application with excellent bounciness and inner softness	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent surface smoothness on cotton & viscose yarn	Emulsion of modified amino siloxane	Non-ionic
831	829	POWERSIL-6185	Powersil-6185 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Powersil-6185 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. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Its high concentration makes it extremely economical in usage & easy to handle.	Emulsion of modified amino siloxane	Non-ionic
832	830	POWERSIL-6186	Powersil-6186 is a concentrated silicone softener, composed of diamino functional polysiloxane as its principal active compound. It imparts excellent softness and smoothness on all type of fabrics	1. It imparts a unique hand coupled with durable wrinkle recovery. 2. It gives excellent and durable softness, crease resistance, flexibility especially on cotton, nylon, polyester, acrylics and their blended knit. 3. It is very economical in usage and easy to handle. 4. Gives very good surface smoothness.	Emulsion of modified amino siloxane	Non-ionic
833	831	POWERSIL-6375	Powersil-6375 is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of it is particularly designed to the degree of fabric softness. It penetrates deep into the fiber bundle giving a luxurious soft handle. Fabric treated with Powersil 6375 shows colour deepening or increase in depth of fabric.	1. Gives excellent soft, smooth & elastic handle on all types of woven & knit fabrics & bottom weight fabric 2. Can be applied by pad and exhaust. 3. Soft smooth and limpy finish on all types of substrate, excellent handfeel for knits in padding application either dry/wet and wet/wet	Emulsion of modified amino siloxane	Non-ionic
834	832	POWERSIL-6557	Powersil-6557 is a power packed softener & hand modifier based on proprietary engineered hybrid polysiloxane & APFO 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.	1. Suitable for all kinds of fabric especially cotton woven & denim. 2. It imparts a typically soft, waxy, posches 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
835	833	Powersil ACN-	Powersil ACN is highly effective high performance macro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Topsoft-IME treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics especially high value cotton shirting, sheeting fabric. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Give extremely smooth gold finish on cotton knit, cotton lycra & PC knit fabrics 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning	Modified polysiloxane	Non-ionic
836	834	POWERSIL-BLS	Powersil-BLS is highly effective high performance micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-BLS treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning	Modified polysiloxane	Non-ionic
837	835	POWERSIL-GMS	Powersil-GMS is a newly developed softener composed of amino modified polysiloxane as its principal active compound	1. It has a strong affinity for all fibers since it has a reactive amino functional group in its structure. 2. Treated fabric gives excellent inner softness especially on polyester & P/V fabric. 3. B Treated fabric imparts very soft, lively smooth handle.	Emulsion of modified amino siloxane	Non ionic
838	836	POWERSIL-MEM	Powersil-MEM is a non-ionic micro-emulsion of a high molecular weight amino functional dimethyl polysiloxane fluid designed specifically for use in clear hair care products	1. Superior conditioning agent (reduced wet detangling time and fly-away; improved shine) 2. Improves hair color depth and longevity from semi-permanent colorant. 3. Enables clear aqueous based systems. 4. Easy to formulate (cold process manufacturing; no need of suspending agent; low viscosity, external phase water)	Emulsion of modified amino siloxane	Weakly Cationic
839	837	POWERSIL-MSF	Powersil-MSF is highly effective high performance micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-MSF treated fabric exhibit excellent soft & smooth handle on all types of fabric	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning	Modified polysiloxane	Non-ionic
840	838	PROFINISH-TS-GT	Profinish-TS-GT is a fine dispersion of high density aliphatic polyolefin (Hard polyethylene wax). It is a handle modifier and sewability improver for textile goods of all types. Napping softener	1. Designed for application by padding & exhaust methods in short liquor jets. 2. It maintains gloss. 3. It reduces coefficient of friction & enhances rub & scratch resistance. 4. It distinctly improves the sewability of woven and knitted fabrics & minimizes seam slipping. 5. It produces a very soft, smooth handle & facilitates making up operations. 6. It does not affect the whiteness of brightened goods. 7. It improves the tear strength & abrasion resistance of resin finished goods and the effect on raised goods. 8. It eases needle penetration considerably when needling non-woven and felts. 9. It is low-foaming, therefore suitable for application in jets.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
841						

	A	B	C	D	E	F
842	839	PROLUBE-6818	Prolube 6818 emulsions imparts smooth, delicate handle on fabric. Emulsions have good stability	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics 2. Can be applied by pad and exhaust 3. Premium softness & silky luxuries handle on cotton woven & knitted fabrics. 4. Its fine particles size of emulsion ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener.	Modified polysiloxane	Cationic
843	840	PROLUBE-6819	Prolube-6819 is suitable as an active substance in softener formulations for the impregnation of fibres and textiles. It imparts a very soft, smooth, and elastic handle to woven and knitted fabrics. Its an engineered functional fluid allowing stable macro emulsions.	1. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 2. As part of formulations used as fill fiber finish Prolube-6819 imparts excellent slickness and resilience to the fiber. 3. Suitable for all types of fabric substrates.	Reactive amino polysiloxane fluid	Nonionic
844	841	PROLUBE-AM-301	Prolube-AM-301 is suitable as active substance in softener formulations for the impregnation of fibres and textiles. It imparts a very soft, drapable and smooth handle to woven and knitted fabrics.	1. It is particularly suitable as active substance in softener formulations for the impregnation of fibres and textiles. 2. It is considered to be the most excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 4. It has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule, no adverse effect on the shade or colour properties of coloured textiles is observed. 5. As part of formulations used as fill fibre finish, it excellent slickness and resilience in the fibre.	Modified reactive amino functional polydimethylsiloxane fluid	Weakly cationic
845	842	PROLUBE-AM-3	Prolube-AM-3 is suitable as active substance in softener formulations for the impregnation of fibres and textiles. It imparts a very soft, drapable and smooth handle to woven and knitted fabrics.	1. It is particularly suitable as active substance in softener formulations for the impregnation of fibres and textiles. 2. It is considered to be the most excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 4. It has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule, no adverse effect on the shade or colour properties of coloured textiles is observed. 5. It imparts excellent slickness and resilience in the fibre.	Organo modified polysiloxane	Nonionic
846	843	PROLUBE-AM-6	Prolube-AM-6 is suitable as active substance in softener formulations for the impregnation of fibres and textiles. It imparts a very soft, drapable and smooth handle to woven and knitted fabrics.	1. It is particularly suitable as active substance in softener formulations for the impregnation of fibres and textiles. 2. It is considered to be the most excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 4. As part of formulations used as fill fibre finish, it excellent slickness and resilience in the fibre.	Modified amino functional polydimethylsiloxane fluid	Nonionic
847	844	PROLUBE-AM-7	It is an aminoethylamino propylfunctional polydimethylsiloxane for the application in all types of textile as textile finishing agent.	1. It is particularly suitable as active substance in softener formulations for the impregnation of fibres and textiles. 2. It is considered to be the most excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 4. It has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule, no adverse effect on the shade or colour properties of coloured textiles is observed. 5. It imparts excellent slickness and resilience in the fibre. 6. Ultralow yellowing	Organo modified polysiloxane	Nonionic
848	845	PROLUBE-AM-8	It is an aminoethylamino propylfunctional polydimethylsiloxane for the application in all types of textile as textile finishing agent.	1. It is easily emulsifiable to a stable microemulsion by simple stirring 2. imparts a very soft, drapable, and elastic handle to woven and knitted fabrics 3. It improves the wash-and-wear properties 4. has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule no adverse effect on the shade or colour fastness properties of coloured goods is observed.	Modified amino functional polydimethylsiloxane fluid	Nonionic
849	846	PROLUBE-AM-15	It is an aminoethylamino propylfunctional polydimethylsiloxane for the application in all types of textile as textile finishing agent.	1. It is particularly suitable as active substance in softener formulations for the impregnation of fibres and textiles. 2. It is considered to be the most excellent softening agent for cotton fabrics and knitwear made of cotton or cotton/PES blends. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning. 4. It has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule, no adverse effect on the shade or colour properties of coloured textiles is observed. 5. It imparts excellent slickness and resilience in the fibre. 6. Ultralow yellowing	Organo modified polysiloxane	Nonionic
850	847	SUPERSIL-SOFT-PG-LV	Supersil-SOFT-PG-LV is micro emulsion concentrate of specially engineered organo functional polysiloxane. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals.	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Low cycles i.e. D4/D5/D6 less than 1000 ppm	Emulsion of functional polysiloxane	Weakly cationic / non-ionic
851	848	SUPERSIL-SSP	Supersil-SSP is micro emulsion concentrate of specially engineered organo functional polysiloxane. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals.	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Provides flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finish and c) Cost. 4. The running properties of the print pastes are improved. 5. Excellent softness on pigment printed fabric & improves rub fastness properties of prints. 6. Premium smoothness & non-tacky handle on printed fabrics. 7. Improvement in fabric physicals, tear strength, abrasion resistance, cut and sew performance, bending rigidity and co-efficiency of friction.	Functional polysiloxane	Cationic / Non-ionic
852	849	SYLAST-HC-N	Sylast-HC-N is a modified siloxane Nano-dispersion. It is durable and free from fluorocarbon (PFOA & PFOS) and flammable liquids. It is used for imparting a durable water, soil & stain repellent properties minimizing aqueous soiling of porous or non-porous, absorbent or non-absorbent substrates.	1. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials i.e. plastics, coated plastics, wood, laminate, cork, rubber, imitation leather, leather. 2. It can be used for hydrophobizing treatment of natural stone, marble, granite, tiles, ceramics, glass, cement surfaces, mineral building materials.	Modified siloxane Nano-dispersion	Non ionic
853	850	SYLAST-RUD	Sylast-RUD is non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Sylast-RUD 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. 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. Improvement in strength & recovery in knitted fabrics (elastomeric property).	Modified polysiloxane & specialty surfactants.	Non-ionic
854	851	TOPSOFT-EME-M	Topsoft-EME-M is highly effective high performance macro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Topsoft-EME treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning	Modified polysiloxane	Non-ionic
855	852	ULTRASOFT-1789	Ultrasoft-1789 is a non-ionic silicone elastomer containing a reactive bi-functional polysiloxane as its principal component along with catalyst & stabilizing additives.	1. Premium softness, slick surface smoothness & full bulky hand. 2. Excellent wet & dry crush resistance & recovery from compressional deformations. 3. Improved durable press appearance ratings. Suitable for formalin free finishing as it allows more than 50% reduction in usage of glycol reactants, while retaining its wash & wear & D.T. ratings. 4. Imparts elasticity to woven fabrics & improves their resilience. 5. It reduces bending rigidity & interfibre friction resulting in enhanced drape/full & a springy bouncy handle. 6. It reduces seam slippage & pilling tendencies especially of polyester fibers & its blends with cotton, viscose & wool.	Functional polysiloxane	Non-ionic

	A	B	C	D	E	F
	853	ULTRASOFT-959	Ultrasoft 959 s a macro emulsion of a multi-functional elastomeric silicone. It provides superior elastomeric, soft & smooth touch to fabrics. When used alone or in conjunction with appropriate organic softeners, it is capable of exhausting onto fibers & fabrics. Treated fabric exhibits very good bounce.	1. Superior elastomeric, soft & smooth hand. 2. Improve fabric tear strength & wrinkle recovery. 3. Very low yellowing. 4. Good emulsion stability. 5. Exhaustible. 6. One-component system, easy to use.	Functional polysiloxane	Non-ionic
856	854	DERMASIL-FLO	Dermasil-FLO is a cationic emulsion polymer of a proprietary re-equilibrated organo functional polysiloxane and biodegradable surfactants. It imparts rich lustrous handle, a distinct down softness, excellent surface smoothness along with enhanced resilience. This innovation enables the processor to realize and optimize multifunctional benefits of a micro and mechanical emulsion, from a single product.	1. It improves the elasticity of finished fabrics and resilience. 2. It imparts luster, enhances depth of dyed shade and improves its color value. 3. It improves fabric crease resistance and D.P. appearance ratings. 4. It improves tear and tensile strengths, abrasion resistance & cut & sew performance. 5. On knits it improves bursting strength and prevents bagging during wear. 6. It is non-yellowing. It imparts wash fast and permanent properties. 7. It imparts a rich and luxurious handle along with a silicone specific feel and super softness on all substrates.	Emulsion of modified amino siloxane	Cationic
857	855	DERMASIL-PSS	Dermasil-PSS is developed as a concentrated reactive amino silicone micro-emulsion. Treated fabric exhibits excellent surface smoothness & softness. It is suitable for all type of fabric substrates.	1. Treated fabric exhibits excellent surface smoothness & softness. 2. Is particularly suitable as softener for the impregnation of fibers and textiles. 3. It improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. 4. The effects are fast to washing and dry cleaning	Amino silicone emulsion	Non-ionic
858	856	DERMASIL-UP	Dermasil-UP is a Semi-Micro emulsion of a single component, organo functional silicone elastomer for permanent finish on all types of fibers and blends.	1. Excellent elastic resilience. 2. Improved wash & wear effects. 3. Imparts smooth, soft handle 4. Improved elastic recovery of knitted goods. 5. Prevents loop damage during high-speed industrial sewing. 6. Improves dimensional stability of knit goods.	Organo functional silicone	Cationic
859	857	POWERSIL-2150-EC	Powersil-2150-EC is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150-EC penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty	Non-ionic
860	858	POWERSIL-2150-K	Powersil-2150-K is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150-K penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty	Non-ionic
861	859	POWERSIL-2150-M	Powersil-2150-M is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150-M penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty	Non-ionic
862	860	POWERSIL-2150-NEW	Powersil-2150-New is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150-New penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty	Non-ionic
863	861	POWERSIL-2150-R	Powersil-2150-R is a silicone emulsion of a special organo modified block poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric especially cellulosic fabrics. Powersil-2150-R penetrate deep into the fiber bundle giving a luxurious soft handle.	1. Gives excellent soft, smooth & elastic handle on all types of cellulosic woven & knit fabrics. 2. Can be applied by pad and exhaust. 3. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 4. Premium softness & silky luxuries handle on woven & knitted fabrics.	Modified polysiloxane & specialty	Non-ionic
864	862	POWERSIL-CSF	Powersil-CSF is highly effective high performance semi-micro emulsion of reactive organo modified polysiloxane, for permanent finish on all types of fabric substrates. Powersil-ACN-ECO treated fabric exhibit excellent soft & smooth handle on all types of fabric.	1. Gives excellent soft, smooth handle on all types of fabrics. 2. Improves sewability, crease recovery & tensile strength of the fabric. 3. Can be applied by pad & exhaust method. 4. Improves the stretch & recovery capacity of knit goods. 5. Improves tear strength & reduces abrasion loss. 6. Effects are fast to washing & dry cleaning. 7. On cotton , coota lycra & PC knits, by wet on wet pad when used along with Powersil 2150 gives peaches, gold finish	Modified polysiloxane & specialty surfactants	Non-ionic
865	863	POWERSIL-ELS	Powersil-ELS is a macro emulsion of a multi-functional elastomeric silicone. It provides superior elastomeric, soft & smooth touch to fabrics. When used alone or in conjunction with appropriate organic softeners, it is capable of exhausting onto fibers & fabrics. Treated fabric exhibits very good bounce.	1. Superior elastomeric, soft & smooth hand. 2. Improve fabric tear strength & wrinkle recovery. 3. Very low yellowing. 4. Good emulsion stability. 5. Exhaustible. 6. One-component system, easy to use.	Epoxy silicone emulsion	Cationic
866	864	SUPERSIL-SSS	Supersil-SSS is a non-ionic concentrated micro emulsion of an organo modified poly siloxane. It imparts extremely soft, silky, smooth handle on all types of fabric. Particle size of Supersil-SSS 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. 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. Its high concentration makes is extremely economical in usage & easy to handle. 8. Premium softness & silky luxuries handle on woven & knitted fabrics. 9. Improvement in strength & recovery in knitted fabrics (elastomeric property).	Modified polysiloxane & specialty surfactants	Non-ionic
867	865	SUPERSIL-SBS	Supersil-SBS 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 Supersil-SBS 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. 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. Its high concentration makes is extremely economical in usage & easy to handle. 8. Further provided flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, (b) Desired finishes i.e. softness etc. and (c) Cost of finish. 9. Premium softness & silky luxuries handle on woven & knitted fabrics. 10. Improvement in strength & recovery in knitted fabrics (elastomeric property).	Emulsion of modified amino siloxane	Weakly cationic
868	866	DERMASIL-SIG-LV	Dermasil-SIG-LV is a concentrated silicone-based auxiliary. It imparts a pleasantly soft dry handle to pigment-printed fabrics and improves their fastness.	1. Dermasil-SIG-LV improves the moist, tacky handle that sometimes results from using very soft binders. 2. It also acts as a softener and has a positive effect on the brilliance and fastness of the prints, especially the dry rub fastness.	Polydimethyl siloxane	Non-ionic
869	867	POWERSIL-WP	Powersil-WP is a 60% anionic emulsion of a high molecular weight polydimethylsiloxane. The superior wet and dry combing benefits of it have been demonstrated in different shampoo formulations. This emulsion also provides excellent detangling and sensory benefits.	1. Superior sensory benefits. 2. Excellent wet combing. 3. Excellent dry combing. 4. Improves hair slipperiness and softness	Emulsion of modified amino siloxane	Anionic
870	868	SYLAST-STN	Sylast-STN is a polysiloxane based product for application as sewing thread lubricant. It is suitable for all types of synthetic textiles and blends.	1. Excellent heat protection and improved performance at high needle temperatures thus suitable for High temperature application systems. 2. Reduces coefficient of friction with improved luster. 3. It is efficient for high-speed sewing lines. 4. It is low in odor. 5. It reduces splashing during application and ensures skin and lump formation in the bath as found in aqueous systems.	Based on polysiloxane	
871						



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869	B69	AQUASIL-5748	Aquasil-5748 is a durable, hydrophilic silicone softening and smoothing agent for textiles of all fiber types. Treated fabric confers voluminous handle effects, especially suitable for white goods or microfibers. Treated fabric does not have any impact on chlorine fastness properties (pool water fast softener). It has high & super high shear alkali stability & anionic stability.	1. It is a hydrophilic micro emulsion of new generation silicone copolymer. It imparts very good hydrophilicity and surface smoothness on terry towels & knits made of cellulose and its blends. 2. Imparts excellent soft bulky handle. 3. Towels appear bulked and extremely soft. 4. Good hydrophilic properties and water retention. 5. Imparts fabric comfort and surface smoothness. Good water retention required for high end towels is well achieved by customized recipes involving this product. 6. Shear-stable and low-foaming. Very good mechanical stability.	Proprietary silicone copolymer with reactive groups	Weakly cationic
872	870	DERMASIL-PVS-M	Dermasil-PVS-M not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Dermasil-PVS-M is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends). 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray. 5. Dilutions are extremely shear stable. Easily diluted with water or alcohol. 6. Water dilutions have excellent compatibility with finishing baths. 7. Can be co-applied with fluorocarbon soil release agents. 8. Works at very low dosage. 9. May be used with most types of typical equipment's for textile finishing.	Block amino silicone emulsion	Non-ionic
873	871	DERMASIL-PVSM-PV	Dermasil-PVSM-PV not only can help provide in-depth softness and slickness, but also features resistance to thermal migration, color fastness, fabric whiteness, re-dyeability, over dyeability and moderate shear stability at a typical bath condition for textile finishing. The softness provided by Dermasil-PVSM-PV is durable for numerous detergent washes.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends). 2. Does not cause fabric yellowing. 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray.	Block amino silicone emulsion	Non-ionic
874	872	FLEXSIL-HS-ECO	Flexsil-HS-ECO is a premium hydrophilic softener contains virtually no solvents or volatile organic compounds which makes it more environmentally sound & safer to use.	1. It imparts very soft greasy handle while virtually maintaining the original fabric whiteness & hydrophilicity. 2. It maintains natural absorbency of cellulosic substrates & their blends with synthetics. 3. The hydrophilic properties imparted show practically no change with aging or extreme drying conditions. 4. Excellent stability to high shear & broad pH range (up to 12) as well as very good compatibility & stability in baths containing common textiles chemicals such as optical brighteners & residual electrolytes. 5. Application of emulsion can be done by pad or exhaustion method.	Modified amino functional polysiloxane fluid	Cationic
875	873	PROLUBE-HAM	Prolobe-HAM is non-yellowing, high viscosity reactive amino functional polydimethyl siloxane fluid having sterically hindered amino group, suitable as an active substance in non-yellowing softener formulations. The emulsion imparts soft & very smooth handle with improved wash & wear properties, crease recovery angle, sewability, tear strength & reduces abrasion loss. The effects are fast to washing & dry cleaning.	1. Ease of formulation to white and micro emulsions. 2. Good soft hand. 3. Completely non-yellowing even at elevated temperatures. 4. Improved end uses include cellulosic and man-made fibers on woven, knitted and non-woven fabrics where softening and lubrication are required without any resultant yellowing.	Modified amino functional polysiloxane fluid	Nonionic
876	874	PROLUBE-19-F	Prolobe-19-F not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends) 2. Non-yellowing 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray 5. Dilutions are extremely shear stable. 6. Works at very low dosage. 7. May be used with most types of typical equipment's for textile finishing.	Block silicone	Weakly cationic / non-ionic
877	875	PROLUBE-67-F	Prolobe-67-F not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends) 2. Does not cause fabric yellowing 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray 5. Dilutions are extremely shear stable. 6. Works at very low dosage. 7. May be used with most types of typical equipment's for textile finishing.	Block silicone	Weakly cationic / non-ionic
878	876	PROLUBE-402-F	Prolobe-402-F not only can help provide in-depth softness and slickness, but also features resistance to fabric whiteness, re-dyeability, over dyeability and shear stability at a typical bath condition for textile finishing.	1. Provides a high level of softness (inner softness for all types of synthetic fabric especially polyester & their blends) 2. Does not cause fabric yellowing 3. Luxuriously silky, drape-able and in-depth softness, as opposed to a slippery hand-on fabric surface that is typically imparted by amino functional silicones. 4. Suitable for all normal application methods, such as pad bath, exhaustion and spray 5. Dilutions are extremely shear stable. 6. Works at very low dosage. 7. May be used with most types of typical equipment's for textile finishing.	Block silicone	Weakly cationic / non-ionic
879	877	Dylev PES ECO	It is a unique multi-functional product for dispersing & leveling of disperse dyes on substrates like polyester fibers, yarns and fabrics	1. In the heating phase Dylev-PES-ECO liquid prevents too rapid exhaustion of the disperse dyes onto the polyester fibres. 2. Promotes the fine distribution of disperse dyes so that even less suitable dyes for dyeing wound packages can be applied 3. The heating rate can be increased to 2-3°C/min according the machines 4. The dyeing is therefore level already during heating and does not require a migration phase for leveling on reaching 125-135°C. The dyeing time and the final temperature can therefore be shortened to that required for complete exhaustion of the disperse dyes. Dyeing in pale shades can be finished after 15 min and navy or black shades after 30 min at 130°C.	Linear polycondensate	Anionic
880	878	Aquasil TF New (Biobased)	Macro nonionic to weakly cationic hydrophilic silicone softener for excellent surface smoothness or greasy touch	1. The silicone finish provides textiles with an innovative structure that combines outstanding softness with excellent water absorption 2. Due to the surface oriented silk like and supple softness effect it is particularly suitable for light woven and knit goods where hydrophilic properties are of importance. 3. It complies with cyclic (D4, D5, D6) contents of below 1000 ppm. 4. Emulsified using plant based fatty alcohols ethoxylates	Emulsion of modified amino siloxane	Weakly cationic
881	879	Aquasil LUX-45 (Biobased)	A speciality hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels. 2. Low viscosity & pumpable. Suitable for auto-dispensing systems. 3. It complies with cyclic (D4, D5, D6) contents of below 1000 ppm. 4. Emulsified using plant based fatty alcohols ethoxylates	Emulsion of modified amino siloxane	Weakly Cationic
882	880	Powersil HM Plus (Biobased)	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	1. Offers softness along with hydrophilicity to cotton and other natural fabrics. Extremely useful for application on terrytowsels 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
883	881	Dyefix ES	Dyefix ES is a non-formaldehyde based dye fixing agent for cellulosic fabrics. It improves the wet fastness and wash fastness properties of direct and reactive dyeing on cellulosic fibers. To improve the wet fastness and wash fastness properties of direct and discharge prints with direct and reactive dyestuffs. It also improves fastness to perspiration fastness.	1. Little change of shade. 2. Little effect on light fastness. 3. No significant effect on handle. 4. Good compatibility with softening and finishing liquors. 5. Formaldehyde free. 6. Very good resistance to salts causing hardness of water. 7. No change in handle, comparatively soft handle compare to Dyefixing agent available in market.	Polyquaternary ammonium compound	Cationic
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	882	Powersil 7078(Biobased)	A speciality hydrophilic softener for all types of fabrics, especially terry towels and knits	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Excellent pile retention. Especially suitable for terry towels. 2. Low viscosity & pumpable. Suitable for auto-dispersing systems. 3. It complies with cyclic ( D4, D5, D6) contents of below 1000 ppm. 4. Emulsified using plant based fatty alcohol ethoxylates 5. Good pool water fastness	Emulsion of modified amino siloxane	Weakly Cationic
885						
886	883	Quench NYX / Neutrox NYX	To prevent yellowing of textiles during storage	1. Low foaming. 2. Prevent yellowing in the presence of statorically hindered phenol(BHT), presence of nitrogen oxides, humidity, time, temperature, pH of material, etc.	Mixture of organic products	Anionic
	884	Supersilsoft PG-LV	Supersil-Soft-PG is micro emulsion concentrate of specially engineered organo functional polysiloxane. It is a premium pigment print softener which imparts soft smooth & non tacky handle. It imparts an exceptionally soft full & luxurious handle along with improved resilience & fabric physicals	1. Its fine particles size ensures faster & uniform penetration into the fabric, making it less a surface treatment & more an internal softener. 2. Its high concentration makes it extremely economical in usage & easy to handle. 3. Provides flexibility by allowing appropriate dilution based on following parameters. a) Fabric to liquor ratio, b) Desired finish and c) Cost. 4. The running properties of the print pastes are improved. 5. Excellent softness on pigment printed fabric & improves rub fastness properties of prints. 6. Premium smoothness & non-tacky handle on printed fabrics. 7. Improvement in fabric physicals, tear strength, abrasion resistance, cut and sew performance, bending rigidity and co-efficiency of friction. 8. It complies with cyclic ( D4, D5, D6) contents of below 1000 ppm.	Functional polysiloxane	Weakly cationic / non-ionic
887						
888	885	Altranol UNI-80	Jet scouring agent for the pre-treatment of cellulosic fibres and their blends.	1. has excellent emulsifying power for paraffin waxes and knitting oils. The product allows for low-foaming in the entire temperature range. 2. Suitable for use in enzymatic desizing. 3. Stable to alkali up to 40 g/l caustic soda.	Blend of surfactants	Nonionic
889	886	Altranol FMC	Wetting agent for mercerizing and caustification	1. Possesses an excellent wetting power. 2. Does not contain cresol or phenolic ingredients 3. Can be applied in caustic soda solutions of 28 - 32 °Bé	Complex anionic surfactant	Anionic
890	887	Glagard THPC-U	It 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.)	extremely low foaming tendency. Treated textiles show excellent flame-retarding, handling, wash resistance, and low tear strength effects as opposed to untreated fabrics.	Tetrakis Hydroxymethyl Phosphonium Chloride-Urea (THPC-U)	Nonionic
891	888	Permafin SK(Erkapur SK)				
892	889	Defaom T-20	Defaom T-20 is a defoamer & antifoam based on polysiloxane, having prolonged emulsion stability.	1. Is a versatile defoamer used in various textiles operations like jet dyeing etc. wherever foaming problem arises. 2. It destroys the foam immediately depending upon the processing conditions such as pH, type of water and temperature of the medium. 3. intended for high end application for defoaming. 4.	Polydimethyl siloxane	Non-ionic
	890	Flexsil BQ	It is a organo-modified polydimethylsiloxane terpolymer. It imparts a very soft, smooth, and silky touch & luxurious touch with an ultra-soft feel for all types of fabrics, imparting resilience properties in fabric and it has very little effect on the degree of whiteness.	1. Excellent softener with outstanding hand feel on cotton & PC knitted fabrics. 2. It imparts excellent hydrophilic nature especially in cotton, yarn dyed cotton, polyester cotton and polyester for woven, non-woven, knitted and mercerized fabrics. 3. It imparts comfort surface smoothness & antistatic properties. 4. It is suitable for knit processing in different finishing machines, especially in high speed & high shear machines for broad range of cotton, blends, polyester & viscose fabric. 5. It also has chlorine water fastness properties.	Silicone copolymer	Weakly cationic
893						
	891	Flexsil 3000	It is a organo-modified polydimethylsiloxane terpolymer. It imparts a very soft, smooth, and silky touch & luxurious touch with an ultra-soft feel for all types of fabrics, imparting resilience properties in fabric and it has very little effect on the degree of whiteness.	1. Excellent softener with outstanding hand feel on cotton & PC knitted fabrics. 2. It imparts excellent hydrophilic nature especially in cotton, yarn dyed cotton, polyester cotton and polyester for woven, non-woven, knitted and mercerized fabrics. 3. It imparts comfort surface smoothness & antistatic properties. 4. It is suitable for knit processing in different finishing machines, especially in high speed & high shear machines for broad range of cotton, blends, polyester & viscose fabric. 5. It also has chlorine water fastness properties.	Silicone copolymer	Weakly cationic
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	892	Powersil SIQ/conc	Silicone softener for imparting excellent softness and luxurious surface smoothness, hydrophilic and antistatic properties to all kinds of fabrics.	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.	Emulsion of modified amino siloxane	Weakly cationic / Non-ionic
895						
896	893	Altraplex AR	Stain protector against metal parts during dyeing	1. Altraplex-AR is used as a protection against stains caused by metal parts when dyeing garments. 2. If addition of it to the dyeing bath the risk of soiling by the metal parts (like metal buttons, zip fasteners and rivets) or shade changes can be almost eliminated.	Alkanol ester	Weakly anionic
897	894	Defaom JET	De-foaming agent with de-aerating effect and penetration action.	1. Very stable to high alkali and electrolyte concentrations 2. High stability to shear even in HT exhaustion, suitable for machines with short liquor technology 3. Complete removal of air through liberation of the microdisperse air bubbles entrapped in the liquor and adhering strongly to the hydrophobic fibers. 4.	Synergistic mixture of de-aerating agent and surfactants	Anionic
898	895	Albaflow UNI	silicone and mineral oil free defoamer with de-aerating effect and penetration action.	1. penetration accelerants-deaerating agent, defoaming agent and wetting agent. 2. Promotes fiber and surface levelness in. pretreatment and dyeing. • Permanent foam prevention. • Removal of air from textile.	Mixture of surfactants	Nonionic
899	896	Dytec ES-3	Pre-scouring, dyeing and reduction clearing in one bath, shorter process, leading to cost savings through less WATER, ENERGY and TIME consumption!	1. Very good scouring product, fully compatible with the usual dyeing auxiliaries and UV absorbers. 2. Removes and emulsifies spinning and knitting oil, grease and wax and prevents their re-deposition. 3. Single bath scour-dyeing-reduction clear concept allows shortest possible processing cycle thus saving time, water, energy and cost.	Polymer dispersion	Anionic
900	897	Flexsil SIL-Q	is a linear, nonreactive, high-molecular-weight quaternary aminosilicone polymer that meets even the strictest demands.	1. Fabrics treated with this textile enhancer are hydrophilic and retain hydrophilicity even after enduring harsh heat, curing and drying conditions. 2. Deliver a voluminous, soft touch to most cellulosic, regenerated cellulosic and cellulosic blends of fabrics	Linear quat	Weakly cationic/ nonionic
901	898	Dytec FTR	It is a universal dyeing auxiliary for improved First Time Right rate of reactive dyeings	Improves operational safety and reproducibility of dyeings of native and regenerated cellulosic fibres and their blends with other fibres 2. Suited for each kinds of reactive dyes (except C.I. Reactive Blue 19, 29 and 224) and textile make ups independent of the type of equipment 3. Combination of levelling, buffering, crease preventing, penetrating, wetting/deaerating, sequestering and dispersing components 4. No significant influence on shade and yield of dyeing 5. Buffering effect 6. Reduction of the usual amount of anticrease by at least 50 % 7. Reduces problems of reproducibility and deposits occurring during reactive dyeing	Preparation of sulfonate and polyacrylates	Anionic
902	899	Lural ASA				
903	900	Powersoft AE-54	Powersil-AE-54 is a concentrated semi macro silicone emulsion suitable for the impregnation of all kinds of fibers and textiles. It imparts a very soft, drapable and elastic hand to a wide range of fiber materials such as cotton, polyester, viscose and their mixtures	1. It improves sewability, wash-and-wear properties, easy iron and crease recovery. 2. It has very little effect on the degree of whiteness. 3. No adverse effect on the shade or color fastness properties of colored goods is observed	Silicone fluid emulsion	Non-ionic
904	901	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 APED 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
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906	903	PP replacement(Near Chemical)				
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