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1	**POLYESTER**					
2	**Sr. No.**	**Product Name**	**Product Description (few lines)**	**Features & Benefits (4-5 pointers)**	**Chemical Base**	**Ionic Character**
3	1	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
4	2	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
5	3	SYLAST-OVG	Sylast-OVG 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 manufactures. 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
6	4	SYLAST-YTL-100/200	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
7	5	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
8	6	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. 6. No corrosion of machineries	Blend of polysiloxane and waxes	Non-ionic
9	7	Altranol DTC	Detergent with high wetting, dispersing power, good alkali stability	1.Effective carrying capacity for soil and fats. 2.One step desizing & scouring product for synthetics 3. a superior new type surfactant for use in cotton wool rayon synthethetic processing.	Ethylene oxide condensation products	Crypto Anionic

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10	8	ALTRANOL-ODB	Altranol-ODB low temperature bleaching agent for cellosics & 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
11	9	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.	1. It is an efficient desizing agent & enables removal of all synthetic sizing agents commonly used in size recipes. 2. It is non-toxic to enzymatic activity. 3. At higher concentrations it has good stain removing action. 4. Anionic detergent used after cationization and weight reduction for washing.	Blend of complex surfactants	Anionic
12	11	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
13	12	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
14	13	Altranol XI/XNI	Solvent based scouring agent / stain remover	1.Effective oil, loom stains and grease removing properties 2. APEO free 3. Free from chlorinated hydrocarbons	Ethylene oxide condensation products with non-chlorinated solvents	Crypto anionic
15	14	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
16	15	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
17	16	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
18	17	DYTEC-DF	Dytec-DF is an acid buffer and dispersant for dyeing of polyester and polyester/cellulosic blends.	1. Maintains a constant pH during the dyeing process. 2. It often replaces the dispersant. 3. It has sequestering action on heavy metals. 4. Does not foam. 5. It is easy to handle in the liquid commercial form. 6. It is phosphate free	Based on phosphate free organic compounds	Anionic

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19	18	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.	1. Good buffer capacity: Robust dyeing system "Right First Time" hence cost savings. 2. No problems with correct pH measurement: No pH change through electrolytes and added substance to the dyebath. 3. No impact on fastness: Compatible with all auxiliaries and UV absorbers. 4. No extra addition of acid required to adjust the pH Easy and safe handling. 5. Non-foaming: Suitable for jets	Based on organic acid and salts	Anionic
20	19	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.	1. Good buffer capacity: Robust dyeing system "Right First Time" hence cost savings. 2. No problems with correct pH measurement: No pH change through electrolytes and added substance to the dyebath. 3. No impact on fastness: Compatible with all auxiliaries and UV absorbers. 4. No extra addition of acid required to adjust the pH Easy and safe handling. 5. Non-foaming: Suitable for jets.	Organic acid and salts	Anionic
21	20	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
22	21	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 - 200ºC). 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
23	22	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
24	23	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
25	24	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
26	25	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

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27	26	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, sizing, 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
28	27	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, sizing, 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 knockdown. 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
29	28	ALTRAPLEX-540	Altraplex-540 is an organic sequestrant with excellent chelating action on calcium, magnesium, iron and copper for the treatment or 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
30	29	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's are 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
31	30	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 135ºC. 5. Good stability to alkali and electrolytes. 6. Low foaming.	Fatty sulphonate preparation	Anionic
32	31	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.	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 135ºC.	Fatty acid ester preparation	Non-ionic
33	32	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	⍰ It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers. 1. It is used in pretreatment, dyeing and after treatment. 2. Suitable for jet application. 3. Stable at temperatures up to 135ºC. 4. Good stability to alkali and electrolytes. 5. Low foaming.	Fatty sulphonate preparation	Anionic

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34	33	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 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. It 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. It has excellent emulsifying properties for residual oils, waxes and enable a single-bath scour-dye process for 100% polyester. 6. It is low-foaming and facilitates smooth running in jet machines with higher machine loading at shorter liquor ratios.	Blend of special phosphate esters	Anionic
35	34	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
36	35	DYLEV-DLP	Dylev-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. Very good levelling effect. 4. Prevents filtration of dyestuffs. Does not increase the AOX content of waste water.	Aryl-polyglycol ether derivative	Anionic
37	36	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, APEO / NPEO free.	Special Anionic surface active agent.	Anionic
38	37	DYLEV-DIF	Dylev-DIF 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. 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
39	38	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 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. 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

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40	39	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
41	40	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 100ºC. 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
42	41	DYLEV-LAFS/CONC	Dylev-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 disperses 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 Dylev-LAFS-Conc for washing dispersed color printed goods.	Polyoxyethylene ether ester	Non-ionic
43	42	DYLEV-CPE	Dylev-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
44	43	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
45	44	Dylev-SF	Leveling agent for the high-temperature dyeing of polyester fibres	1. It is non-foaming & is therefore also very suitable for HT dyeing in jet dyeing machines that are only partially flooded & in other equipment with a low liquor level. 2. Has no dye-retention effect; with dark shades it even improves the colour yield of dyes that have a slow rate of diffusion	Mixture of nonionic aliphatic compound	Nonionic

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46		DYLEV-CPE	Dylev-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
47	45	DYLEV-MBL	Dylev-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 fibers 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 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. 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
48	46	DYRETARD-ACR	Dyretard-ACR is developed as retarding & leveling agent for the dyeing of polyacrylonitrile fibers with cationic dyestuffs, cationic dyeable polyester fabric. 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
49	47	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
50	48	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
51	49	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 levelling 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
52	50	REDUCIT–ECO	Reducit-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 Reducit-ECO, alkalizing the bath or preparing a fresh post-clearing bath is no longer necessary nor it is necessary to re-acidify the Reducit-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

	A	B	C	D	E	F
53	51	REDUCIT–RC	Reducit-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 Reducit-RC, alkalizing the bath or preparing a fresh post-clearing bath is no longer necessary nor it is necessary to re-acidify the Reducit-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
54	52	REDUCIT–RC-PDR	Reducit-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
55	53	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 turbulance	Emulsion of modified amino siloxane	Non-ionic
56	54	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 deepning agent for denim & sulphur dyed garments	Modified amino siloxane	Non-ionic
57	55	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
58	56	POWERSIL-360	Powersil-360 is a power packed softener & hand modifier based on proprietary engineered hybrid polysiloxane & APEO free surfactants.	1. It is used as softener with resin based colour blooming agent, with no tonal change effect of original resin blooming. It maintains tone of resin based blooming agent with good handfeel 2. Provides good surface smoothness. 3. Treated fabric gives least amount of thermo migration in polyester fabrics. 4. Improves color depth & brightness of treated fabric.	Urethane pre-polymer composition & specialty silicone	Weakly cationic
59	57	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 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 cationic

	A	B	C	D	E	F
60	58	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. 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 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
61	59	AMPLIFY-AQ	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
62	60	Amplify KS	Amplify-KS 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 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
63	61	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 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
64	62	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 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
65	63	ANTIPIL-CAS	Antipil & antislip agent produced by an insitu reaction which results in stable nano dispersions.	1. Treated fabric imparts excellent antipil, antislip and antisnag 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

	A	B	C	D	E	F
66	64	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
67	65	ANTIPIL-FW	Antipil & antislip agent produced by an insitu reaction which results in stable nano dispersions.	1. Improving seam resistance and resistance to thread slippage of all slippage-prone fabrics, particularly suitable for apparel fabrics like blouses and shirts. 2. Outstanding soft handle compared to conventional anti-slipping agents, hand feel is maintained on fabric. 3. Greatly improves resistance to thread slippage and seam strength. 4. Avoids seam damage on the garments during wearing.	Pyrogenic silica sol	Weakly Cationic
68	66	AQUAREPEL-XAN	A fluorocarbon extender with outstanding effect improvement in combination with fluoro chemicals. Optimizing the oil & water repellent effects on delicate articles	1 Marked improvement of the fastness to washing and dry cleaning & abrasion resistance. 2 Optimizing the oil and water repellant effects on delicate articles. 3 The fabric protection is retained on a high level.	Dispersion of an oxime blocked polyisocyanate	Cationic / Non-ionic
69	67	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
70	68	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
71	69	AQUAREPEL-ZERO-FC	A long-lasting, fluorine-free water repellent finish targeted to fabrics used in outdoor, leisure and sportswear applications.	1. Water repellency: It offers superior water repellency levels to existing fluorine-free products available on the market and close to C6 fluorochemicals. To recover the water repellency after laundering, ironing is not necessary. 2. Pleasant touch: softness and bulky hand-feel ensures the fabric stays pleasant to the touch. 3. No impact on breathability of the fabric. 4. Sustainability: fluorine-free. Ecofriendly. 5. Free from PFCs (Perfluorinates) & banned substances.	Polymers of high branched dendrimers in a matrix of hydrocarbon	Cationic
72	70	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

	A	B	C	D	E	F
73	71	AQUACOAT-UC	Aqueous, durable finishing agent designed for single or multiple coating applications. It imparts a clear medium soft, non-air permeable continuous flexible coating on all kinds of synthetic woven fabrics & their blends.	1. It imparts a clear medium soft, non-air permeable continuous flexible coating on all kinds of synthetic woven fabrics i.e. Nylon, Polyester, Polypropylene & their blends. 2. The coated fabrics exhibit excellent fabric drape & flexibility. A dry smooth semi dual surface & drastic reduction in air and water permeability. These properties are durable to dry cleaning and laundering. 3 It is recommended for following applications: Umbrella Fabrics, Active sportswear, Wind Cheaters, ski-suits, Soft luggage, Awnings, Boat Sails, Boat covers, Continental quilt covers etc.	Specialty acrylates & Polyurethane	Anionic
74	72	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 redisposition - Water drop absorption - Wicking	Polymeric hydrophile	Non-ionic
75	73	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 Hydrophile	Non-ionic
76	74	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 Hydrophile	Non-ionic
77	75	ALLENFINISH-BA	Specialty finish which confers durable firm & full handle & guffiness (body)	1. Gives cottons, polyesters & blends a full bodied, firm & smooth handle which is typical of expensive fabric materials. On viscose & polyester-viscose suiting's, 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
78	76	FINISH-BF	A specialty finish which confers durable firm & full handle (body) or guffiness to fabrics	1. Gives cottons, polyesters & blends a full bodied, firm & smooth handle which is typical of expensive fabric materials. On viscose & polyester-viscose suiting's, 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

	A	B	C	D	E	F
79	77	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
80	78	TRIPLEX-HB	Triplex-HB is a non-ionic self-cross linking polymer emulsion which is used in variety of textile & non-woven textile applications.	1. It has excellent adhesion to a wide variety of substrates and outstanding ultra-violet light resistance. 2. It is used in formulating laminating adhesives for bonding a wide variety of substrates. 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. 4.Baterry separator stiffening agent, resistance to acid	Acrylic copolymer	Non-ionic /weakly anionic
81	79	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
82	80	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
83	81	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
84	82	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
85	83	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

	A	B	C	D	E	F
86	84	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	
87	85	Glogard PESX	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	
88	86	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	
89	87	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
90	88	GLOGARD-UNI	Glogard-UNI is durable, halogen free flame proofing agent for polyester fabrics and its blend with cellulosic(80/20), 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
91	89	Gloguard THPS U	Glogard-THPS 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.).	1. Excellent wash durability. 2. Soft handle 3. Least tonal change	Tetrakis Hydroxymethyl Phosphonium sulphate	Nonionic
92	91	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

	A	B	C	D	E	F
93	92	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
94	93	STABILITE-SLP-NEW	Stabilite-SLP-NEW is a highly efficient UV absorber to process polyester textile goods selected for the automotive industry	Improves the hot lightfastness of polyester dyeing's with disperse dyes for the automotive industry which already have good lightfastness. 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
95	94	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
96	95	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.	Wash fastness of dyed polyester fabric is closely related to the degree of thermo-migration of disperse dye during heat setting. 2. Due to a sophisticated formulation thermo-migration and bleeding is reduced, wash fastness properties are improved & the colour depth is enhanced. 3. Suitable for Poly/Viscose, Poly/Wool & polyester fabrics. 4. Excellent elastic resilience, soft and smooth handle. 5. It is exhaustible silicone with cationic character	Silicone Urethane co-polymer	Non-ionic
97	96	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
98	97	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

	A	B	C	D	E	F
99	98	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
100	99	SANIGUARD-ECO	Saniguard-ECO is a solvent free non-leaching anti-microbial agent for durable hygienic finishing of cellulosic, synthetics and their blends. It is effective against broad spectrum of pathogenic microbes. Treated fabric substrates complies with AATCC 100, JIS L 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
101	100	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
102	101	ALAROMA-IMR	Unique microcapsulated product for insect repellant 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
103	102	ALAROMA-IR	Alaroma IR is vector i.e. mosquitoes , ticks, tsete flies repellent product suitable for synthetic, cellulosic (cotton) & natural fabrics like wool, silk, jute etc & its blends.	1. Prevents vectors such as mosquitoes, ticks, tsetse flies etc. from landing/biting. 2. Has an outstanding wash resistance & does not influence fabric color. 3. Work on knock down action method i.e. and functions as a neurotoxin, affecting neuron membranes by prolonging sodium channel activation 3. Passes WHO/CTD/WHO PES/IC/96.1 & US Patent 5,198,287 & USDA laboratory Method	Permethrin complex	Weakly anionic
104	103	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

	A	B	C	D	E	F
105	104	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
106	105	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
107	106	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
108	107	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
109	108	PROFINISH-OC	Profinish-OC is a softener for natural and synthetic fibers. Softening of all fiber types, preferably by exhaustion	1. Excellent soft handle on all fibers types, especially on PAN. 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 & prints. 6. Improves sewability.	Carboxylic acid amide derivative	Cationic
110	111	PERMAFIN-AO	Permafin-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 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
111	112	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 catasilicone	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

	A	B	C	D	E	F
112	113	DERMASIL-JSS	Dermasil-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
113	114	DERMASIL-SRS	Dermasil-SRS is a novel textile softener of linear polydimethylsiloxane amino polyalkyleneoxide 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 polyalkyleneoxide copolymer	Non-ionic
114	115	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
115	116	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
116	117	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
117	118	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
118	119	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

	A	B	C	D	E	F
119	120	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
120	121	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
121	122	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	123	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
123	124	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
124	125	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.	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
125	126	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
126	127	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. 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	Weakly cationic / non-ionic
127	128	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

	A	B	C	D	E	F
128	129	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 is 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
129	130	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. Lubricant to prevent wear & increase abrasion resistance to latex rubber. 7. Gives excellent dry soft handle to the synthetic fabric. Treated synthetic fabric have crispy handle.	Functional polysiloxane	Non-ionic
130	131	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
131	132	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
132	133	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
133	134	AQUASIL-4103	A durable concentrated hydrophilic silicone softener designed to exhibit luxuriously soft & flexible hand feels to all types of fabrics irrespective of composition & structure	1. Imparts excellent softening without hampering the hydrophilicity of the fabric. Good water retention 2. Suitable to be used along with moisture management system. 4. Low viscosity & pumpable. Suitable for auto-dispensing systems.	Emulsion of modified amino siloxane	Weakly cationic / non-ionic
134	135	Aquasil LUX	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
135	136	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