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1				PRETREATMENT		
2	Sr. No.	Product Name	Product Description (few lines)	Features & Benefits (4-5 pointers)	Chemical Base	Ionic Character
3	1	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
4	2	Altranol OL	Anionic scouring agent, wetter & detergent with excellent oil & grease removing properties	1. Efficiently removes oily, fatty & waxy impurities 2. Improves the absorbency of textile material.	Blend of complex surfactants	Anionic
5	3	Altranol XI/XNI	Solvent based scouring agent / stain remover	1. Effective oil, loom stains and grease removing properties. A Special powerful wetting & stain removing agent to remove oil stains and graphite marks 2. APEO free 3.. Free from chlorinated hydrocarbons	Ethylene oxide condensation products with non-chlorinated solvents	Crypto Anionic
6	4	Altranol WAK spl	Detergent with high wetting, dispersing power.	1. Moderate foamingWetting agent, detergent for bleach bath additives for batch wise pretreatment and continuous immersion processes. 2. APEO free. 3. For scouring of wool.	Blend of speciality surfactants	Nonionic
7	5	Altranol HPSR	Stain remover/scouring agent	1. Effective oil, loom stains and grease removing properties 2. Free from chlorinated hydrocarbons	Ethylene oxide condensation products with non- chlorinated Solvents	Anionic
8	6	Altranol GP	Highly concentrated spotting agent with degreasing, wetting, stain removing & detergency action giving a very clean fibre/ fabric	1. Removes lubricants/ oils as well as spots caused by machine lubricating oils	Blend of specialty surfactants	Anionic
9	7	Altranol RK / MRK	Scouring agent for removal of silicone oils/waxes from cellulotics, synthetics and blends with lycra	1. APEO Free 2. Is a formulation based on an environmentally acceptable solvent blended with surfactants, for removing stubborn oil, grease or wax stains	Fatty alcohol alkoxylate	Anionic
10	8	Altranol GR	Scouring agent for polyester/nylon/ elastane blends. Auxiliary to reduce yellowing of polyamide, polyester and blends of these fibers with spandex fibers during heat setting	1. Prevents yellowing of polyester/nylon and their blends with elastane in heat setting 2. Especially good for Optically brightened whites and pale shades 3. prevents the oxidation of the amino-end groups of polyamide during heat-setting. Due to this prevention-mechanism, higher colour-yields can be found when dyeing polyamide and result in better reproducibility.	Specialty products and surfactants	Nonionic
11	9	Altranol NPA	Protecting agent to prevent degradation of cotton/nylon and cotton/elastane in bleaching and heat setting	1. Prevents yellowing of polyester/nylon and their blends with elastane in heat setting 2. Especially good for Optically brightened whites and pale shades	Specialty products and surfactants	Nonionic
12	10	Altranol ELB	Clay based wetting/ scouring/ emulsifying agent for cotton/lycra blends	1. Removes waxes, mineral and silicone oils 2. APEO Free	Clay based with surfactants	Nonionic
13	11	Altranol JET-ECO	Low foam, highly concentrated detergent to improve scouring & bleaching efficiency of woven & knitted fabrics	1. APEO free 2. Suitable for high turbulence machines like soft flows & jet. 3. For discontinuous & CBR pretreatment processes	Synergistic mixture of de-aerating agent and surfactants	Nonionic
14	12	Allenol RGN	Low foam, high performance scouring agent for cellulotics, synthetics and blends	1. APEO free/Eco-friendly. 2. Suitable for high turbulence machines (jet, soft flow), package dyeing and continuous operations	Specialty surfactant	Nonionic
15	13	Altranol -LFE	Low foam wetting agent/ detergent with emulsifying, extractive action for cellulotics	1. APEO Free 2. Economical, suitable for garment processing 3. Suitable for high turbulence machines (jet, soft flow)	Aqueous formulation of modified fatty alcohol ethoxylates, APEO-free	Nonionic
16	14	Altranol-RW	Wetting agent & detergent with very good rewetting action & extremely low foaming.	1. For discontinuous & CBR pretreatment processes 2. Highly concentrated 3. Very good detergency & emulsifying properties	Synergetic preparation of special surfactants	Nonionic
17	15	Allenol PAC	Speciality preparation auxiliary with excellent wetting-detergency properties for exhaust system specially for Knits & Yarn	1. For discontinuous & CBR pretreatment processes 2. Economical	Synergetic preparation of special surfactants	Nonionic
18	16	Altranol EB	One step oxidative desizing, scouring, bleaching agent for cellulotics/blends	1. Highly concentrated 2. Suitable for cold pad-batch 3. Works with reduced quantity of caustic & peroxide 4. Produces superior whites	Synergetic preparation of special surfactants	Anionic

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19	17	Altranol ABA	Wetting, sequestering & stabilizing agent-All in one	1. Altranol-ABA is an effective multifunctional bleaching auxiliary & can effectively replace most of auxiliaries used in the conventional peroxide bleaching process. 2. ☐ It ensures a highly stable hydrogen peroxide reaction without adding other stabilizer. 3. ☐ Excellent capillary effect and wetting performance 4. ☐ 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
20	18	Altranol ODB/SW	Single shot desizing, scouring, bleaching agent for cellulosics/blends	1. No need for separate enzyme/ oxidative/acid desizing 2. Eco-friendly. Lower BOD, COD in effluent	Blend of non-ionic and anionic surfactants with oxidative Compounds	Anionic
21	19	Altranol LTB RS New	Single shot desizing, scouring, bleaching agent for cellulosics/blends	1. Low temperature bleaching 2. Wetting/scouring agent with activator which can bleach cellulose based substrates & blends (cotton, viscose, poly/cotton) at lower temperature of 70-75°C.	Aqueous formulation of nonionic and anionic modified fatty alcohol ethoxylates APEO-free	Anionic
22	20	Altranol NR	Wetting and deaerating agent for the pre-treatment and dyeing process	1. Solvent & phosphate free 2. Non-foaming 3. Stable upto 30g/l caustic soda 4. Excellent deaerating properties in yarn X-cones	Fatty alcohol polyglycol ether	Nonionic
23	21	Altranol 84	Rapid wetter and deaerator	1. Very good wetting and detergent action 2. Excellent dispersing and emulsifying properties	Ethoxylate & blend	Nonionic
24	22	Modwet CSWA/ Modwet IMR	Alkali stable wetter & detergent. Mercerizing wetting agent	1. Low foam 2. Cresol Free	Complex anionic surfactant	Anionic
25	23	Modwet MERC	Highly concentrated , mercerizing wetting agent	1. Cresol Free 2. Low Foam	Complex anionic surfactant	Anionic
26	24	Altranol GEO/ Altranol NOVI	Natural mineral based scouring/ bleaching agent/stabilizer. Extremely suitable for the bleaching of cotton knits on overflow, jets, winches and package machine, even for HT conditions.	1. Balanced bleaching assistant for single stage bleaching 3. The special formulation provides a good hydrophilicity after bleaching whites for dyeing. 4. Low foaming & environment friendly	Based on natural minerals	Anionic
27	25	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. ☐ Inherent lubrication properties, ensure good running of fabric during bleach process. Ecofriendly	Based on natural minerals	Anionic
28	26	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. ☐ Oil adsorbing effects caused by natural micro particles 4. ☐ Acts as crease inhibitor, offers a smooth and soft touch of goods doable, not gelling and thixotropic. 5.	Natural clays & fatty alcohol ethoxylates blend	Non-ionic / anionic
29	27	Altranol DSZL	Natural mineral based scouring/ bleaching agent/stabilizer	1. Balanced bleaching assistant for single stage bleaching 2. Low foaming 3. APEO free & environment friendly	Kaolin blend dispersion	Anionic
30	28	Altranol SX	Stain remover/scouring agent for all type of fabric substrates	1. Economical 2. Effective oil, grease, stain removing property	Blend of speciality surfactants	Nonionic
31	29	Rap-GPX	Stain remover/scouring agent	1. Economical 2. Effective oil, grease, stain removing property. 3. Effective oil, loom stains and grease removing properties. A Special powerful wetting & stain removing agent to remove oil stains and graphite mark	Blend of specialty surfactants	Anionic
32	30	Perostab LN	Peroxide stabilizer suitable for continuous & discontinuous bleaching of cellulose & its blends	1. Silicate Free 2. Surfactant free	Combination of organic hydroxy compounds and carboxylic acids	Anionic
33	31	Perostab GL	Silicate & surfactant free peroxide stabilizer, suitable for continuous & discontinuous bleaching of cellulose & its blends	Peroxide stabilizing property unaffected by presence of catalytic heavy metals such as iron, copper and manganese	Organic chelate forming compounds	Anionic
34	32	Perostab PL	Organic stabilizer for alkaline peroxide bleaching of cellulosics & blends by exhaust & rope bleaching	1.Economical & Silicate Free 2. Holds salts & colloids in dispersed form.	Phosphonic acid derivative	Anionic

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35	33	Perostab SF	Non-silicate, Magnesium free stabilizer for peroxide bleaching of cellulose & blends.	Suitable for cold pad batch/ pad steam as well as batch process	Sodium salt of a preparation of oligomeric ester condensates containing polycarboxylic acid	Anionic
36	34	Perostab PFS	Non-silicate, concentrated Magnesium free stabilizer for peroxide bleaching of cellulose & blends.	1. Suitable for cold pad batch/ pad steam as well as batch process 2. Well balanced formulation enabling application in hard and soft water	Sodium salt of oligomeric ester condensates with polycarboxylic acid.	Anionic
37	35	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.	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
38	36	Perostab-NW/3044	Organic stabilizer for alkaline peroxide bleaching of cellulose & blends by exhaust & padding processes i.e. especially cold pad batch & pad steam.	1. Very suitable for silicate free pad-steam bleaching 2. Very high iron bonding power. Extremely suitable for CBR range. Good degree of whiteness achieved 3. EDTA free	Combination of organic hydroxy compounds and carboxylic acids	Anionic
39	37	Altraplex 540	Chelating agent for complexing Ca, Mg & Fe ions in high alkaline/temperature bleaching. The product complexes hardness builders and removes incrustations which occur due to the hardness of water and/or due to the hardness of the cotton fibre.	1. prevents corrosion and removes oxide and silicate deposits, incrustations in units, pipelines etc 2. very good effects can be achieved as the product also has complexing properties at the lower stoichiometric ratio (Threshold-effect)	Based on organic acid salts	Anionic
40	38	Altraplex HTS	Sequestering agent and bleach stabiliser for textiles application	1. Suitable for reactive dyeing 2. No demetalizing of metal ions present in procion dyes 3. Resistance to hydrolysis, even under extreme temperature and pH conditions.	Polycarboxylic acid	Anionic
41	39	Altraplex PH	Protoniser for cellulose	1. Prevents catalytic damage to cotton and destabilization of peroxide bleaching liquors by conizing metallic particles. 2. Not completely volatile during drying, thus preventing core alkali migration	Based on organic acids	Nonionic
42	40	Altraplex NV	Core alkali neutralizer	1. Prevents fibre damages in comparison to mineral acids 2. Non volatile in nature hence no danger of corrosion to the stenter or other machines	Mixture of organic/inorganic buffers	Nonionic
43	41	Altraplex-GA	Core alkali neutralizer	The pH value of fabric treated with Altraplex-GA does not change if stored or dwelled for a long time. Acetic acid replacement	Mixture of organic/inorganic buffers	Nonionic
44	42	Altraplex-AC / MSD	Extracting agent with additional dispersing effect in desizing and scouring of textiles in exhaust process.	Extraction agent and dispersant with stabilizing and anticatalytic effect in the alkaline peroxide bleach. Improves degree of whiteness. Prevent pin holes or catalytic damage of fabric.	Blend of special phosphate esters	Anionic
45	43	Lubassist C	Foam free lubricant to prevent creasing in wet processing of textiles. Suitable for cellulose, synthetics and blends	1. Provides fibre/fibre and fibre/ metal lubricity 2. Prevents crack marks, creases, wrinkling, crowsfeet's, chafe marking & fold marks.	High molecular weight polymer solution	Nonionic
46	44	Lobassist 109 ECO	Lubassist-109-ECO is an anionic crease preventing agent / lubricant for woven and knitted fabrics. It is non-foaming and is suitable for jet dyeing units.	1. It is used for cellulosic fibers, wool, polyamide, polyester and blends of these fibers.	Fatty sulphonate preparation	Anionic
47	45	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

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48	46	Defoam PWB/ Antifoam TDA	Silicone based foam control agent for paper pulp & wet processing of textiles	1.Stable to Alkali, pH & electrolyte 2.Jet stable 3.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.	Polydimethyl siloxane	Nonionic
49	47	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
50	48	Antifoam CRP	Antifoam-CRP is a foam preventative agent for aqueous and non-aqueous industrial processes.	1. It gives excellent performance in a wide range of applications including extreme pH systems. 2. Easy dispersion in all foam systems. 3. Long durability in acid and alkaline conditions 4. Effective in extreme pH environments	Polydimethyl siloxane	Non-ionic
51	49	Antifoam FB	Antifoam-FB-50 is an antifoam concentrate, designed to be easily formulated into cost-effective antifoams for the textile industry.	1. The product is very efficient in controlling foam in all industrial processes. 2. Sustained foam control throughout the process cycle. 3. Stability to a wide range of pH and temperature conditions	Polydimethyl siloxane	Nonionic
52	50	Antifoam PHD	Antifoam-PHD is an antifoam concentrate, designed to be easily formulated into cost-effective antifoams for the textile industry.	1. The product is very efficient in controlling foam in all industrial processes. 2. Sustained foam control throughout the process cycle. 3. Stability to a wide range of pH and temperature conditions	Polydimethyl siloxane	Nonionic
53	51	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	Activated silicone antifoam	Nonionic
54	52	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
55	53	Defoam NDW	Non-silicone defoamer for latex paint systems based on Butadiene-Styrene, Acrylic & Polyvinyl Acetate emulsions.	1. Contributes excellent brushability, does not cause fish-eyes and has no effect on the final film. 2. 4paint film.	Mineral oil fatty acid derivative	Nonionic
56	54	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
57	55	Neutrox-ALN	Enzyme based Peroxide decomposer or neutralizer	1. It is used subsequent to bleaching cycle where it facilitates rapid and uniform destruction of residual peroxide in bleaching liquor. 2. This enables dyeing with reactive dyes in the same bath without any negative influence of the residual peroxide on the dye shade, tone and its depth.	Inorganic compound	Nonionic
58	56	Quench-APY/Quench PAT	Antiphenolic yellowing agent. High performance composition designed for treating fabrics & garments from yellowing due to storage conditions	1. Normally white PA turn yellow even under slightly acid conditions. This is due to the cationic character of the free amino end-groups of PA which interact with the antioxidant derivate 2.Allenol-PYP is preventing such yellowing while blocking the free amino end-groups of the PA.	Sulfonic acid derivatives & specialty additives	Anionic
59	57	Quench-BA	Optical Brightener Quencher. "a highly effective, fast working quenching agent for the fluorescent whitening agents used in the paper industry.	Recommended for eliminating optical brightened residues from dyeing machines & also strip the same from OBA treated textiles or an accidentally stained fabric with localized patches of OBA.	Benzene carboxylic acid amide derivative.	Cationic

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60	58	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
61	59	Quench-CPN	Neutralizes residual hypochlorite from the fabric	1. Prevents yellowing caused by residual hypochlorite left on the indigo dyed garments/fabrics	Blend of inorganic salt	Nonionic
62	60	Ecosoft 400	Highly concentrated organic sequestering agent. Chelates Ca, Mg ions and other metallic impurities.	1. Chelation values of 400 1. Suitable as water softener	Phosphonic acid derivative	Anionic
63	61	Modquest S	Organic sequestrant suitable for sequestering heavy metal & alkaline earth metals	1. Works over a wide range of pH and temperature 2. Good deflocculation property and dispersing action on suspended solids	Phosphonic acid derivative	Anionic
64	62	Alquat SOL / Laser WR	It is an excellent polyester 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..	Ammonium salt blend	Cationic
65	63	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. ☒ Prevents filtration of oligomers in yarn packages. 2. ☒ Prevents oligomer deposits on machine parts 3. - It reduces the frequency of equipment cleaning, thereby reducing the number of times the equipment must be shut down.	Blend of specialty surfactants	Anionic
66	64	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. ☒ Prevents filtration of oligomers in yarn packages 2. ☒ Prevents oligomer deposits on machine parts. 3. ☒ Improves running properties of yarn for further processing steps 4. - It can be advantageously used at various stages in polyester production and processing for the removal of oligomer deposits. 5. It reduces the frequency of equipment cleaning, thereby reducing the number of times the equipment must be shut down.	Silicic acid derivative	Anionic
67	65	Altraplex ZIP	Altraplex-ZIP 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. It can be directly dosed in machine, without preventive dilution	Corrosion inhibiting agent, phosphoric acid derivative	Nonionic
68	66	Altraplex AR-45	Altraplex-AR is used as a protection against stains caused by metal parts	1. It prevents contaminations of the metal surface (many common types of alloys)	Alkanol ester	Weakly anionic