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1				PAPER		
2	Sr. No.	Product Name	Product Description (few lines)	Features & Benefits (4-5 pointers)	Chemical Base	Ionic Character
3	1	ALLEN COTE C-104	Effective lubricant for paper coating	1. Prevents dusting at the supercalenders ant during slitting & printing operation , resulting in higher operating speed 2. Improves flow & leveling characteristics , making possible smooth , even application 3. Works very well for glossy surfaces like Stucco	calcium stearate liquid dispersion	Nonionic
4	2	Altranol TRO	Emulsifier & defoamer for paint & paper industry	1. As defoaming agent in paper industry 2. As lubricant in paints inks industry	Sulphated Castor Oil	Nonionic
5	3	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 hj. 2. 4paint film.	Mineral oil fatty acid derivative	Nonionic
6	4	Defoam-NXZ	Non-silicone defoamer for latex paint systems based on Butadiene-Styrene, Acrylic & Polyvinyl Acetate emulsions.	1. It also prevents foam generation in printing and finishing operations by eliminating air entrainment.	Mineral oil fatty acid derivative	Nonionic
7	5	Defoam YK-22	Defoam-YK-22 is a compound type of efficient defoamer with 100% effective content and does not affect the luster of the system. It is recommended for coating (waterborne industrial coating, waterborne wood paint, etc.), waterborne ink, waterborne adhesive, etc.	1. The particularly suitable for pigmented high gloss emulsion systems based on styrene acrylate, acrylate or acrylate/polyurethane with a pigment volume concentration of 18-25. Also effective against microfoam. 2. VOC-free silicone-containing defoamer for aqueous coatings, printing inks and adhesives. 3 Do not contain substances mentioned in the SVHC list of REACH regulations. Do not contain substances mentioned in the ROSH Directive	Mixture of foam destroying polysiloxanes and Hydrophobic solids in polyglycol	Nonionic
8	6	Antifoam 4243	EFFECTIVE DEFOAMER FOR PAPER AND TISSUE MILLS	1. Is a specially formulated waterbased emulsion defoamer for use in paper water treatment industries. 2. Due to the defoamer's high active ingredient content, has a fast knock-down and long-lasting efficiency & is therefore a very cost-effective defoamer.	Silicone compund	Nonionic
9	7	MODWET-3X	ANIONIC LIQUID WETTING & REWETTING AGENT FOR PAPER TOWLES. FOR CORRUGATED MEDIUM TO ENHANCE ADHESIVE PENETRATION.	1. It ensures thorough wetting of cloth, thus ensures better uniform bleaching. 2. - Modwet-3X is useful in various operations for rewetting to increase the absorbency such as sanforising to wetting material, surgical cotton , tissue , paper towels	Sulfonated modified ester	Anionic
10	8	SEQUEST-S-540	Sequest S-540 is used in bleaching mechanical pulps, where metal ions can cause discoloring.	1. It used in the paper industry to remove metal ions and prevent them from causing issues like scale and deposits on paper machines 2. Sequestering agents bind to metal ions, forming stable compounds that prevent staining and other damaging effects. They are effective at removing calcium, magnesium, and other metal ions.	Phosphonic acid derivative	Anionic
11	9	SANIGUARD-ICU	Saniguard-ICU is a potent Anti-Bacterial, Anti-Viral, Anti-Fungal, Anti-Mold, Anti-Yeast & Anti-Biofilm. It is a broadspectrum, non-leaching, non-toxic, durable antimicrobial for fibers & fabrics. It provides hygienic freshness. It resists odors through chemical protection	It is a water-based, contains no harsh solvents. Non-flammable. 1. Bleach-free & alcohol-free. Will not leach or wash off once applied. 2. It can be used on almost any surface and are tailored for consumer packaged goods and remediation as effective, user-friendly, end-use products. 3. It is effective against gram positive and gram-negative bacteria, fungi, viruses, Mold, algae & yeasts. Thus provides broad spectrum microbial inhibition on treated fabrics. 4. Prevents deterioration & discoloration caused by bacteria, fungi, algae & yeasts. 5. Prolongs the life of an article by inhibiting the growth of bacteria and mildew. 6. It is successfully used on all class of substrates i.e. Textiles, Plastics, Metal, Rubber, Ceramics, Paper, Wood, Glass, Paints, Resin, Concrete, Cement Surfaces, Grouts, Porcelain, Synthetic Polymers, furniture, cushions, umbrella, etc. It is one-step disinfectants and antimicrobial cleaners for hospitals, schools and homes.	Silane quat ammonium compound	Cationic
12	10	PROSURF-TO-89	Prosurf-TO-89 is a non-ionic surfactant for detergents and cleaners, and for the chemical and allied industries	1. Prosurf-TO-89 to be used in dilute solutions to give better results. 2.It can form fairly stiff gels at certain concentrations when water is added. 3. The rates at which the Prosurf-TO-89 dissolves can be increased by adding alcohols, glycols and other solubilizes. 4. It finds its use in the following: - Laundry detergents. - Cleaners, Household cleaners. - Neutral & Acid cleaners. - Neutral metal cleaners. - Emulsification. - Dispersing & Wetting. - Leather, Paper, Paint and Building products industries.	Fatty alcohol alkoxylated	Non-ionic

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13	11	PERMAFIN-PU-107	Permafin-PU-107 is a one pack urethane-resin designed to yield a coating system and allied products, having a very high degree of flexibility, household chemical resistance. It is resistant to dry & wet rub fastness, impact, abrasion, UV, stain, weathering elements, saponification, high water, alcohol & cold cracking. It has an outstanding adhesion to concrete. It has a low glass transition temperature and has a flexural endurance.	1. It provides soft yet strong and high extension characteristics. 2. It provides an excellent film formation on any releasing paper. 3. Does not cause repelling and pin-holes during coating. 4. Provides stretch-back property of polyurethane's characteristics. 5. It has a functional group necessary for self-emulsification, when the finish requires resistance to water, moisture heat and heat 6. Excellent heat stability and against hydrolysis. 7. Non-yellowing, very good light fastness, least color change by NOx gases. 8. It yields a very stable emulsion, thus stable to the process. 9. It has a low level of thermoplasticity. 10. Elongation at Break -600%, UTS-175 Kg/cm2. 11. It is non-hazardous and non-toxic, thus Ecofriendly.	Polyurethane resin	Anionic
14	12	STABILITE-OMC	Stabilite-OMC is a durable ultra violet protection finish to fabric. It is a very broad spectrum UV filter with max absorption in the UVB region and some in the UVA region of the UF spectrum.	1. Durability of minimum 15 washes depending upon required application. 2. As-is application is recommended only on polyamides e.g. nylon, wool, silk and acrylics. Combination of it with a binder is required for giving durable finish on cotton, polyester, rayon etc. 3. It can be used in Sizing press for Paper applications for closed loop system and also within printing ink pastes. 4. Encapsulation makes it safer to handle and safer for the environment as unregulated discharge into the waterbodies can be avoided. It is expected to be safer on the skin and safer for the marine environment.	Bio degradable shell with vitamin	Weakly anionic
15	13	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. Battery separator stiffening agent, resistance to acid	Acrylic copolymer	Non-ionic /weakly anionic
16	14	PROSURF-TA	Prosurf-TA functions as a surfactant, wetting agent solubilizer in textile processing, anti-corrosion agent in oil & gas, and adjuvant in agrochemicals	1. It finds applications in leather and textile processing aids, paints, inks, cosmetics, petroleum products, metal treating, synthetic fiber manufacture and production of paper and plastic products as emulsifiers, dispersants, wetting agents and dye leveling agents. 2. It adsorb strongly to most metal, fiber and mineral surfaces, which makes them useful as corrosion inhibitors, softeners, anti-static agents and adhesion promoters. 3. It can be used in formulating emulsifier blends. 4. It is miscible with cationic and anionic surfactants and used as adjuvant in pesticide and herbicide formulation.	Tallow amine ethoxylate	Non-ionic
17	15	QUENCH-BA/ Neutrox BA	Optical Brightener Quencher. "a highly effective, fast working quenching agent for the fluorescent whitening agents used in the paper industry.	1. Unlike conventional UV absorbers quench BA performs the OBA masking function by forming a complex with OBA thereby preventing reemission in visible spectrum. 2. Rapid quenching of fluorescence in machine, stock preparation equipment & pipe systems considerably shortens the change-over times. 3. Resulting increase in production results in cost benefits which are far greater than the cost of product. 4. Helps correct fabrics/garments with localized OBA patches or stains. 5. Permits complete removal of OBA from treated textiles.	Benzene carboxylic acid amide derivative.	Cationic

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18	16	AQUACOAT-HPR	Optical Brightener Quencher: "a highly effective, fast working quenching agent for the fluorescent whitening agents used in the paper industry.	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. <u>Forms transparent film after drying.</u>	Polymeric Polyester Resin	Anionic
19	17	AQUACOAT-HPU	It is a water dispersion polyurethane resin for lamination and coating. It can provide excellent film formation on any releasing paper, does not cause repelling and pin-holes during coating, provides soft yet strong and high extension characteristics, also provides stretch-back property of polyurethane's characteristics	1. Excellent heat stability and against hydrolysis. 2. Non-yellowing type, Very good light-fastness, least color change by NOX gas. 3. Environmentally friendly product. 4. The film by this resin is very soft yet strong. 6. Abrasion, flexibility, etc. is excellent and provides very soft hand.	Water dispersion polyurethane resin	Weakly Anionic
20	18	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
21	19	Aquacoat PR	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
22	20	Saniguard-BT	Saniguard-BT is a formaldehyde free benzisothiazoline based preservative for the wet-state preservation of wide range of formulations, particularly those with an alkaline pH. It is biodegradable and Eco-Friendly product.	1. Synthetic Polymer emulsions. 2. Emulsion paints (In-Can Preservations). 3. Water based Adhesives & Glues (based on starch, dextrin and cellulose derivatives). 4. Glues based on casein. 5. Aqueous Printing Inks. 6. Font Solutions. 7. Paper coating composition. 8. Aqueous mineral & pigment slurries. 9. Starch slurry. 10 Textile & Leather auxiliaries. 11. Industrial Enzymes.	Formulation of 1, 2-benzisothiazolin-3-one (BIT)	Nonionic
23	21	Modlube APF	Modlube-APF highly effective as a dispersant, emulsification, wetting applications. Being APEO free it is an excellent substitute for Alkyl Phenol based Ethoxylates (such as NP 9.5).	1. Disinfectants for Leather, Textile, Paper, paints & Building products industry 2. Modlube-APF is readily compatible with dyes, pigments, protective colloids, thickeners and other substances with a molar mass in the upper range.	Fatty Ester	Nonionic
24	22	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.	It is successfully used on all class of substrates i.e. Textiles, Plastics, Metal, Rubber, Ceramics, Paper, Wood, Glass, Paints, Resin, concrete, Cement Surfaces, Grouts, Porcelain, Synthetic Polymers etc.	Silane quat ammonium compound	Cationic
25	23	Tristar PSA	Tristar PSA a wet strength agent used in the paper industry to improve a paper's resistance to tearing in wet conditions	1. can help reduce the need for excessive drying during paper manufacturing, which can save energy and improve production efficiency. 2. It can also reduce the risk of paper damage during the wetting and drying processes, which can decrease waste and rejections.	Polyamide resin	Cationic
26	24	Neutrox BA / Quench BA	For efficient quenching of optical brightening agent in paper industry	1. It is used to quench fluorescence in the water circulation and stock preparation equipment when changing over from brightened paper to a non-brightened grade. It is also used to quench fluorescent broke, recycled fibre and deinked pulps. 2. Rapid quenching of fluorescence in the paper machine and stock preparation equipment considerably shortens the change-over times. The consequent increase in production results in cost benefits which are far greater than the cost of quenching products. 3. Cleaning the paper machine of residual fluorescence		
27	25	Aquasorb TT	Low-foaming hydrophilic specialty softening agent which imparts a very supple, soft feel and lubricity	1. Excellent water absorbency & rapid moisture transport 2. <u>Gives excellent soft handle to tissue paper</u>	Blend of non-ionic and cationic ethoxylated esters	Weakly cationic

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