



SUMAN CHEM[®]
Innovative Chemistry for Brighter Tomorrow



High Performance Solutions

TEXTILE AUXILIARIES

PRODUCT GUIDE

PRETREATMENT AUXILIARIES

| PRODUCT NAME | DESCRIPTION |
|----------------------------------|---|
| All in one Pretreatment Agent | A novel all-in-one low foaming product for scouring and bleaching of cotton. It requires only peroxide and does not need addition of caustic during bleaching. |
| Biopolishing Enzyme | An acid cellulase enzyme for biopolishing of cellulosic's polyester/cellulosic blends. |
| Bleaching Aid | It is a single auxiliary for bleaching, which eliminates use of caustic thereby reducing the Total Dissolved Solids (TDS), weight loss and COD of effluent. |
| Clay based bleaching aid | Clay based, ecofriendly and low foaming, all-in-one product for pretreatment of Cellulosic and its blends. |
| Core Alkali Neutralizer | A specialty chemical to neutralize core alkali from cotton hosiery, terry towels, yarn and fabric after an alkaline pretreatment. |
| Desizing Enzyme | A high temperature stable, bacterial Alpha-amylase based Desizing agent. |
| Enzyme-based peroxide scavenger | A catalase enzyme for effective bleach bath clean-up |
| Low-temperature Bleach Activator | A low temperature bleach activator for cotton & its blends. It catalyzes the peroxide at lower temperature, thereby saving energy, time and total cost. |
| Scouring Agent | A wetting cum detergent for all type of fibers to remove stubborn oil, grease or wax dirt. |
| Mercerizing wetting agent | A low foaming concentrated mercerizing wetting agent. |
| Non-Silicone Defoamer | A concentrated, non-silicone defoamer suitable for all types of textile processing in batch form. |
| Peroxide Stabilizer | An organic and eco-friendly peroxide stabilizer with optimal stabilizing power even under adverse conditions of metal contaminants. Can be used during bleaching by exhaust as well as pad application. It is easily dilutable. |
| Residual Peroxide Killer | An enzyme-based concentrated product to eliminate residual peroxide after bleaching. Dyeing can be carried out without draining of the bath which saves water and time. |
| Sequestering agent | A high-power sequestering agent specially developed for scouring as well as bleaching of cotton, terry towel and polyester/cellulosic blends. |
| Silicon-based Defoamer | A silicone defoamer designed for all textile processing operations where foam control is essential. |
| Stain Remover | A product free from chlorinated solvents to remove stubborn stains, particularly loom oil stains from texturized polyester and its blend in soft flow machine |
| Wetting Agent and Detergent | An ultra-low foaming, solvent free, APEO free wetting cum detergent for cellulosic, other natural and synthetic fibers and their blends. |

DYEING AUXILIARIES

| PRODUCT NAME | DESCRIPTION |
|-----------------------------------|--|
| Acid Buffer | An acid buffer for dyeing/printing of polyester and its blend. |
| Acid donor and pH sliding agent | An acid donor, based on pH sliding principle for dyeing of polyamide, wool and their blends with acid dyes. It ensures uniform and reproducible dyeing. |
| Anti-Crease and Lubricating Agent | A low foaming crease preventing agent and Lubricating agent for all types of substrates and garments. |
| Anti-Migrating Agent | An anti-migrating agent developed for continuous dyeing of cotton, polyester/ cotton as well as polyester/viscose fabrics with Disperse, Reactive and Vat dyes |
| Cationising Agent | A special Cationising agent developed to improve the exhaustion of pigment on cellulosic |
| De-Aerator | It ensures rapid removal of entrapped air and result in uniform dyeing. |
| Dispersing Agent | A dispersing agent for exhaust dyeing, direct style of printing and continuous dyeing of polyester, Acetate and triacetate. |

| PRODUCT NAME | DESCRIPTION |
|---|---|
| Dye bath conditioner and washing off agent | A dye bath conditioner and washing-off agent for reactive dyed/printed fabric. It is stable to high temperature. |
| Dye transfer inhibitor / Anti-tinting agent | It prevents re-deposition of dye on the fabric during washing off process of printed fabric and yarn dyed shirting's. |
| Fluorescent acid dye-fixing agent | It improves wet fastness properties viz, water contact fastness, sea water fastness and perspiration fastness. It will not affect fluorescence of the fabric. |
| Formaldehyde Free Dye-Fixing Agent | A superior dye-fixing agent to improve fastness of reactive dyes and direct dyes. |
| Loop Accelerator | Accelerates diffusion of disperse dyes into polyester and ensures optimum color yield during high temperature loop steaming as well as HT pressure ageing. |
| Low foaming wetting and De-aerating agent | A low foaming, wetting and de-aerating agent for continuous as well as for exhaust application. |
| Low-temperature washing-off agent | A low-temperature washing-off agent for reactive dyes |
| Oligomer Remover and Machine Cleaner | A strong dispersant developed for removal of oligomers from Polyester substrates and useful as a machine cleaning agent. |
| Polyamide Levelling agent | It is suitable for dyeing of nylon, wool and silk fabrics. It possesses excellent migration property which results into uniform and level dyeing. |
| Polyester Leveling Agent | A levelling agent and dyeing accelerator with diffusion property for high temperature Polyester dyeing. |
| Reduction clearing agent | A reduction clearing agent in Acidic Medium developed to remove unfixed dyes from polyester |
| Sewability improver | A cationic sewability improver which can be applied by exhaust application on woven, knits and garments. |
| Stripping agent | A stripping agent for cotton fabric dyed with reactive dye |
| Substitute for SODA ASH as well as SILICATE | Owing to its excellent buffering capabilities, it decreases the reactive dye hydrolysis and hence increases the extent of reactive dye fixation. |
| Wool protecting agent | A versatile wool protecting, lubricating cum anti-setting agent. It is stable to high temperature during the processing of wool. |

PRINTING AUXILIARIES

PRODUCTS FOR CONVENTIONAL PRINTING

| PRODUCT NAME | DESCRIPTION |
|--|---|
| Crosslinking agent for pigment printing | Eco-friendly crosslinking agent for pigment printing. It is effective for prints taken on knitted, cellulosic fabrics, polyester / cotton, polyester /viscose & polyamides. |
| Discharge Printing Agent | A highly effective discharging agent for polyester, polyamide and other synthetic fabrics |
| Formaldehyde Free Cross-linking for Pigment Printing | A formaldehyde free and APEO free cross-linking agent for pigment printing |
| Melamine Formaldehyde based resin | A melamine formaldehyde-based resin used for finishing of interlining fabrics to impart a durable stiff handle. |
| Mild oxidizing agent | A mild oxidizing agent used during reactive dyeing and printing to protect the shade from reducing atmosphere during steaming. |
| Pigment Fixer | Fixer for pigment printing method. It improves fastness of pigments printed goods. It is ready to use, easy to mix into stock thickenings or print pastes |
| Pigment printing binder | It gives very good brightness and feel to the printed fabrics. It increases the resistance to abrasion and imparts very good wash and rubbing fastness. |
| Silicone softener for pigment printing | It imparts soft and dry handle to the fabrics. It does not impair fastness properties of pigment printed fabrics. |
| Sodium alginate substitute | It is a sodium alginate substitute for reactive dyes printing on cellulosic and viscose substrates. |

| PRODUCT NAME | DESCRIPTION |
|---|---|
| Thickener for disperse printing on polyester fabric | It is a thickener for disperse printing on polyester fabric. It is easy in handling and produces lump free pastes. It imparts very good color yield with sharpness. |
| Thickener for pigment printing | It disperses readily in water. It can be used as thickener for preparation of coating recipe. |

PRODUCTS FOR DIGITAL PRINTING

| PRODUCT NAME | DESCRIPTION |
|--|--|
| Coating Agent | It is a coating agent to be applied in the pre-treatment process before Ink-Jet printing specially for cotton and viscose. |
| Coating agent for inkjet printing on polyamide | It gives sharp and even prints with improved color value. |
| Pretreatment auxiliary | It is applied in pre-treatment process before Ink-Jet printing on various substrates. |
| Thickening Agent | A high viscosity thickening agent which is applied in pre-treatment process of Ink-Jet printing. |

FINISHING AUXILIARIES

| PRODUCT NAME | DESCRIPTION |
|---------------------------------------|--|
| Anti-Microbial Agent | Antimicrobial agent for finishing of textile substrate. |
| Anti-pilling/ Anti-slipping agent | A product that improves resistance to pilling, snagging and reduces the tendency of seam slippage. |
| Anti-Static Agents | An anti-Static agent developed for hydrophobic fibers such as polyester to overcome generate static charge. |
| Anti-thermal yellowing agent | A specialty finishing agent to prevent yellowing of fabrics and knits made from polyamide, lycra and their blends during heat setting, finishing and moulding. |
| Bouncy hand feel | A product that imparts bouncy feel with greater resiliency to polyester/ cellulosic and cotton fabrics |
| Cationic Softener | It gives excellent softness to the fabric. Economical finishing recipes or finish formulations can be made. Critical shades as well as whites can be finished. |
| Chlorine Fastness Improver for Cotton | A formaldehyde free, chlorine fastness improver for cellulosic fabrics dyed/printed with reactive dyes |
| Color deepening agent | A color deepening agent to obtain exceptionally high color depth with neutral to redder tone on cellulosic, polyester, wool and their blends dyed with blacks and navy's. |
| Flame Retardant | A durable halogen and formaldehyde free flame retardant finishing chemical for Polyester, cotton and their blends. |
| Fluorine Free Water Repellent | A fluorine free specialty product for water repellency and rain proofing for Cellulosic and its blends. |
| Improves Depth of Elastane | A dyeing auxiliary which improves the depth of shade of elastane (EL) portion in Polyamide Elastane blend. |
| Light-fastness improver | A UV absorber for Polyester and cellulosic fabrics. It reduces the fiber damage due to photo chemical degradation. |
| Mosquito repellent | A mosquito repellent available in micro dispersed form |
| Moth and beetle proofing agent | It is a durable moth proofing agent developed for the fabrics which are meant for outerwear, sportswear, military fabrics, tents etc. |
| Nonionic Softener | A concentrated, non-yellowing and AEEA free organic softener for natural and synthetic fibers. It imparts very good softness along with lubrication and antistatic property. |

| PRODUCT NAME | DESCRIPTION |
|-------------------------------------|---|
| Oil and Water Repellent | A water and oil-repelling fluoropolymer based on C6 chemistry for various substrates including Polyester, Cotton, Wool fibers and their blends. |
| Silicone free hydrophilic agent | A silicone-free finish for imparting hydrophilicity on textile fabrics. |
| Silicone Softeners | A specially developed softener for cotton, polyester, wool and their blends. |
| Stiffener | A handle modifier for imparting heavy and fuller finish to polyester, cotton and their blends. The applied finish is not affected during storage. |
| Stiffener for Dimensional Stability | A product that imparts dimensional stability and bulkiness or body to polyester automotive textiles. It can also be applied on P/V fabric. |
| Stiffener for Non-woven | A specialty product to impart stiffness and body to cotton, polyester and their blends. It is also suitable for nonwoven fabrics to impart body. The treated fabric can be top coated with required finishes. |
| Tear Strength Improver | A specialty finishing agent specially developed to improve the tear strength of the woven cellulosic substrates. |
| Wet Rubbing Fastness Improver | A specialty finishing agent to improve dry and wet rub fastness of all types of dyed and printed cotton and their blends |
| Wicking and Moisture Management | An organo hydrophilic finishing agent for cellulosic, polyester, polyamide and their blends |
| Wrinkle Free/ Easy Care Finish | A formaldehyde-free cross-linking agent for easy care finish to cellulosic and its blends |
| Yarn lubricating agent | A concentrated softener and lubricating agent for finishing of cotton, polyester and their blended yarns in package form to improve rewinding performance it is suitable for exhaust as well as lick roll application. It improves lubricity, gliding properties of the treated yarn. |

TECHNICAL TEXTILES AUXILIARIES

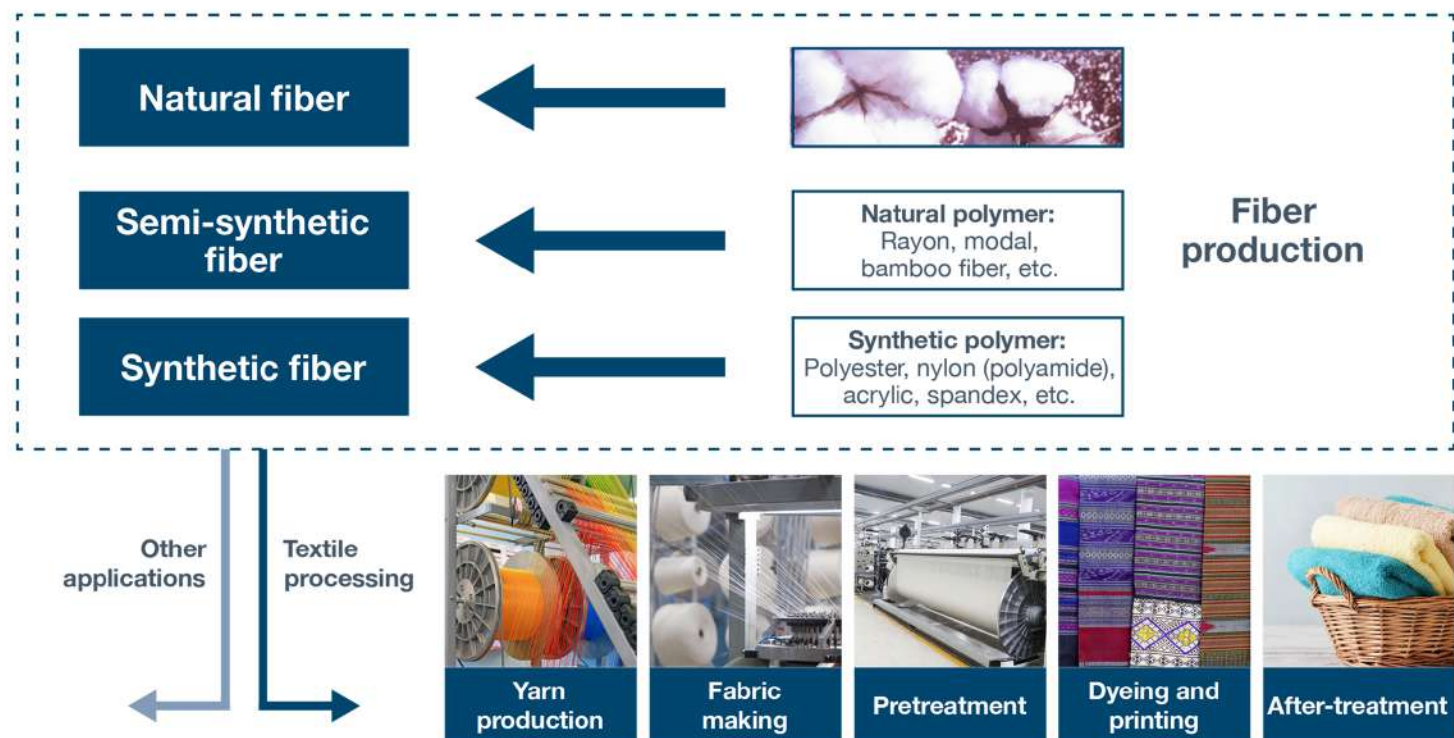
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| Anti-Static Agent | An anti-Static agent developed for hydrophobic fibers such as polyester to overcome generate static charge. |
| Oil and Water Repellent | A water and oil-repelling fluoropolymer based on C6 chemistry for various substrates including Polyester, Cotton, Wool fibers and their blends. |
| Silicone free hydrophilic agent | A silicone-free finish for imparting hydrophilicity on textile fabrics. |
| Stiffener | A handle modifier for imparting heavy and fuller finish to polyester, cotton and their blends. The applied finish is not affected during storage. |
| Stiffener for Non-woven | A specialty product to impart stiffness and body to cotton, polyester and their blends. It is also suitable for nonwoven fabrics to impart body. The treated fabric can be top coated with required finishes. |
| Stiffeners for interlining fabric | A stiffener to impart stiff finish on all substrates viz., cotton, polyester and their blends. |

TEXTILE AUXILIARIES DIVISION

We, at Suman Chemical Industries have on offer the complete range of textile chemicals that encompasses products from preparation to the final stage of processing. What makes us different from other manufacturers is our ability to modify them just so slightly to improve their performance and better serve our customers. Our textile auxiliaries manufacturing plants are located in Surat, Gujarat supplying to over 60 countries and recognized as the Fastest growing textile chemicals companies over the period of years.

Our products show application in cotton, polyester, nylon, polyamide, wool and Apparel such as casual wear, sportswear, denim, business, and work wear, Home Textiles such as towels, upholster and sheeting's & Carpets and Technical Textiles such as medical garments, glass grid fabrics, etc. Products are offered both as neat products and custom formulated as per customer requirements. Suman Chem technical service department can provide products meeting specific requirements of the customer.

OUR PRODUCTS HELP CUSTOMERS DURING EACH KEY STEP OF TEXTILE PROCESSING:



SUMAN CHEMICAL INDUSTRIES
(TEXTILE AUXILIARIES DIVISION)

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