

FINISHING CHEMICALS

SurfTechs products are a group of specialty chemical finishes designed to lend unique performance characteristics to treated fabrics. The product range comprises a wide range of chemistries for use as stiffening agents, permanent press finishes, water repellants, flame retardants and many other applications. **SurfTechs** products are applied to various fabric types; cellulosic, synthetic and blended.

SofTechs chemicals are a range of different chemistries designed for fabric application. **SofTechs** products are formulated to modify physical characteristics such as softness, smoothness, drape, abrasion resistance, water absorption and moisture management.

HAND BUILDERS AND STIFFENING AGENTS

SurfTechs 4001 - A polyvinyl acetate polymer for use as a stiffening agent and hand builder. The product is compatible with various catalyst and resin finishing systems. It is also compatible with water repellants. It is durable to repeated home launderings. The product is highly recommended for use as a fabric hand builder, label stiffening agent and rope finish. Also available in a hydroxy ethyl cellulose stabilized version.

SurfTechs 4005 - A liquid acrylic polymer for use as a soft and flexible hand builder. The polymer reduces fraying, pilling and seam slippage of treated fabrics.

SurfTechs 4010 - A liquid starch ether based polymer hand building finish. The product is recommended for conventional fabric stiffening and denim stiffening. The product may be used in conjunction with other finishes and resins. It is highly recommended for use as a fabric hand builder, a product to improve seam slippage strength and an additive to resin finishes enhancing flex abrasion and tearing strength values of treated cotton fabrics.

SurfTechs 4020 - A liquid acrylic polymer used for hand building that is inherently flame retardant. The product may be used alone as a flame retardant or in combination with other types of flame retardants. The product is available as a soft hand or firm hand.

SurfTechs 4026 - A concentrated firm hand self-crosslinking acrylic polymer that is highly recommended for application to filter media and fiberfill.

SurfTechs 4060 - A liquid acrylic polymer for use as a stiffening agent and hand builder. The polymer lends water resistance to treated fabrics. It is compatible with hydrocarbon and fluorochemical water repellents and is extremely durable. The product is highly recommended for outdoor fabrics where stiff hand and water repellency are desirable properties.

SurfTechs 4200 - A dry powdered combination natural and synthetic polymeric finish formulated for denim. The product enhances Sanforizing by facilitating rewetting, lending hand and controlling elongation.

SurfTechs 4217 - A self-crosslinking acrylic polymer formulated for use to assist in stopping fabric fraying and pilling. The product lends a firm hand.

SurfTechs 4218 - A self-crosslinking acrylic polymer recommended for use as a binder for pigmented and filled coatings as well as a binder for flame retardants, catalysts and resins. The product lends a soft hand.

PERFORMANCE FINISHES

SurfTechs 4225-70 - A concentrated low formaldehyde DMDHEU resin available with or without catalyst package. The product lends good shrinkage control, crease retention, smoothness and excellent whiteness retention. It is highly resistant to chlorine and dry scorch.

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SurfTechs 4300 - A low temperature cure fluorochemical product formulated for application as water, soil and stain repellent. The product is highly recommended for application to upholstery, apparel, mattress ticking, and other flat goods woven of synthetics, cotton, wool, and blended yarns.

SurfTechs 4302 - An ambient temperature cure fluorochemical and hydrocarbon wax combination product formulated for water, oil and alcohol repellency. The product is highly recommended for outdoor fabrics.

SurfTechs 4315 - A C-6 cationic fluoropolymer emulsion. The product performs comparably to C-8 chemistry without the environmental concerns of PFOA or its precursors. The product is highly recommended for application to upholstery, apparel, mattress ticking and awnings.

SurfTechs 4360 - A stearylated melamine and wax blend that combines surface water repellency with reactive components thereby creating a permanent and non-leachable repellency property.

SurfTechs 4401 - A concentrated silane quaternary ammonium salt designed for use as a durable anti odor agent that cross-links to form a polymer network on the surface of fabric. The product lends softness, anti odor and anti static properties to treated fabrics. It is highly recommended for socks and athletic wear.

SurfTechs 4500 - An anionic water micro emulsifiable ultraviolet light absorber with enhanced durability compared to conventional ultra violet light absorbers. The product is highly recommended for draperies, curtains and upholstery fabrics.

SurfTechs 4583 - A unique multi-purpose water dispersible polyester polymer. The product is designed to impart several desirable properties to fabric including: wicking, absorbency, soil release, bath lubrication, detergency and oil scavenging. The product is also available in 100% solid concentrate form.

SurfTechs 4583 AFS - A unique hydrophilic silicone based polymer formulated to lend excellent durable water absorbency on cellulosic and synthetic fabrics, especially polyester. The product may be used on fabrics to lend moisture management characteristics.

SurfTechs 4590 - A unique single component product formulated to impart excellent hydrophilic properties to nylon fibers. The product imparts wicking, absorbency, soil release and lends a slick and buttery hand.

FLAME RETARDANTS

SurfTechs 4900 - A THPS/Urea pre-condensate which when properly fixed provides a durable FR finish to 100% cotton fabrics that can withstand repeated launderings (50 -100) with a minimum loss of flammability properties. The product can be insolublized using an ammonia cure system.

SurfTechs 4906 - A non durable ammonium phosphate type flame retardant designed for application to cellulosic, synthetic and blended fibers for home furnishings and automotive fabrics.

SurfTechs 4912 - A highly concentrated formaldehyde free flame retardant designed for application to rayon and rayon and polyester blended automotive fabrics. The product is a phosphorous, water-soluble, hydroxyl functional oligomeric ester.

SurfTechs 4926 - An organic phosphorus flame retardant used on cellulosic fibers and blends with synthetics to give permanent durability to laundering.

SurfTechs 4929 - A durable cyclic phosphonate ester flame retardant designed for application to protective clothing, military uniforms, children's sleepwear and home furnishings such as upholstery, curtains and draperies.

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SOFTENING AGENTS

SofTechs 4107 - A concentrated light tan wax-like solid softener base. It is a cationic quaternary cyanoethylated fatty acid amide that is dispersible in hot water. The product provides a very soft and greasy type hand. It is considered low yellowing and is highly recommended for use as a water-dispersed softener for indigo denim. The product must be dispersed prior to use.

SofTechs 4109 - A concentrated off-white wax-like solid softener base. It is a nonionic mixture of fatty acid esters that is dispersible in hot water. The product provides a soft waxy type hydrophilic hand. It is considered non-yellowing. It is highly recommended for white fabrics. It is very effective for softening towels due to its hydrophilic nature.

SofTechs 4110 - A concentrated light tan wax-like solid softener base. It is a cationic quaternary fatty acid amide and emulsifier blend that is dispersible in hot water. The product provides a very soft and silky type hand. It is considered low yellowing. It is highly recommended for indigo denim.

SofTechs 4120 - A cationic reactive micro-emulsion silicone softener highly recommended for fabrics requiring a very soft and silky hand at low dosage rates.

SofTechs 4132 OS - A highly concentrated blend of softeners and lubricants for use as a Sanforizing agent for cotton and cotton/polyester blended fabrics to facilitate compressive shrinkage. The product will also provide good wetting and re-wetting properties.

SofTechs 4134 - A highly concentrated polyethylene containing lubricant formulated to lend softness and lubricity to cellulosic and synthetic fabrics. This versatile and economic product is recommended for use as a napping softener / lubricant, as a component in resin finishing, as a softener in printing pastes and as a Sanforizing Aid in denim processing.

SofTechs 4142 - An organo-functional hydrophilic silicone emulsion softener for use on cotton and cotton / polyester fabrics. The product imparts a hydrophilic and luxuriously soft hand with excellent non-yellowing properties. It is highly recommended for moisture management applications. The product is also available in a more concentrated version.

SofTechs 4143 - A low amino content non-elastomeric silicone emulsion softener for use in durable press resin finishes on cotton and cotton / polyester fabrics. The product imparts a luxurious, soft and silky hand with excellent non-yellowing properties.

PROCESS SPECIALTIES

SurfTechs 4320 - A nonionic non-rewetting wetting surfactant designed for use with fluorochemical water, soil and stain repellents. The product is a low foaming and alkaline stable.

SurfTechs 4321 - An amine oxide based non-rewetting wetting surfactant that is highly recommended for application with durable press resin finish formulae. The product functions as a good finish bath stabilizer. It also helps reduce can and clip build up.