At American Textile, LLC, our focus is sales and service of advanced chemistry for the global textile, garment wet processing and carpet industries.

We offer a wide range of performance chemicals utilized by our customers in these industries. Chemical products are available for virtually all processes - from fiber to textile. The company emphasizes delivering advanced and cost efficient product technology specifically designed for our customer’s needs. Our chemistry is compliant with established global standards including REACH, GOTS, Oeko-Tex, Blue Sign and others.

The company comprises an experienced team of sales professionals, textile engineers and textile chemists. The team is supported by fully staffed modern analytical and application laboratories, positioning the company to provide added value to our customers – whether they seek assistance with opportunities or need solutions to problems.

American Textile, LLC meets our customer’s needs in efficient and timely manner via manufacture and distribution from ISO certified facilities in North America and Southeast Asia. An extensive agent and distributor network facilitates supply and service to our customers across the globe - Americas, Europe, Africa, Middle East and Asia.

PREPARATION CHEMICALS …

PrepTechs products are a range of products formulated for use in the preparation of fabrics. This includes desize, scour and bleach processes. A wide range of chemistries is incorporated in this group. The product line includes wetting agents, detergents, emulsifiers, formulated scours, dispersants, and bleach stabilizers. The product line is designed to address the needs of all textile factories.

SIZING CHEMICALS …

ElaTechs products comprise a wide range of chemicals formulated for sizing and weaving applications. The product range is positioned to assist in the high speed processing of all types of staple and filament yarns. ElaTechs products are recommended for applications varying from simple cotton fabrics to high technology technical fabrics.

FINISHING CHEMICALS …

SurfTechs products are a set of specialty chemical finishes designed to lend unique performance characteristics to treated fabrics and garments. The product range comprises a wide range of chemistries. SurfTechs products are applied to various fabric types; cellulosic, synthetic and blend.

PRINTING CHEMICALS …

DecoTechs products are a range of chemicals for the textile printing process. The product line comprises thickeners, binders and process specialties for all aqueous printing. Products are available for printing dyes and pigments. The products are highly recommended for high speed rotary screen printing.

DYEING CHEMICALS …

DyeTechs products are a complete line of auxiliary products for the textile dyeing process. The product range comprises indigo beamings aids, leveling agents, fixing agents, wetting agents, defoaming aids and a variety of specialty products.

GARMENT WASHING CHEMICALS …

WashTechs chemicals are a complete line of products for the garment wet processing industry. This product range includes products for desizing, abrasion, clean up and neutralization and finishing. Included in the range are several unique specialty products designed to provide unique garment appearances.

CARPET CHEMICALS …

American Textile, LLC Polymer products are formulated backcoating polymers of various chemistries designed for application to woven carpets. The polymers provide excellent tuft bind values, anti pilling characteristics, stiffness and other performance characteristics. Polymer products are economical to use.
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**PREPARATION CHEMICALS**

*PrepTechs* chemicals are a range of products formulated for use in the preparation of fabrics. This includes desize, scour and bleach processes. A wide range of chemistries is incorporated in this group. The product line includes wetting agents, detergents, emulsifiers, formulated scours, dispersants, and bleach stabilizers. The product line is designed to address the needs of all textile factories.

**WETTING AND PENETRATING AGENTS**

*PrepTechs 1010* - An anionic wetting agent based on dioctylsulfosuccinate recommended for various desize applications as well as specific finish baths. The product is an economical fast wetting and penetrating agent.

*PrepTechs 1015* - A high caustic stable wetting and penetrating agent. Strongly recommended for semi mercerization techniques used in denim processing.

*PrepTechs 1020* - A nonionic wetting agent and detergent based on ethoxylated alcohol technology. The product is recommended for application in desize and scour baths. The product may also be used in finish baths.

*PrepTechs 1050* - A nonionic wetting agent based on ethoxylated alcohol technology in powder form. The product is recommended for application in denim Sanforizing where wet out is critical. The product may also be used in sizing and finishing applications.

**DEZIZING AGENTS**

*PrepTechs 1060* - A nonionic dispersing agent based on ethoxylated alcohol chemistry. The product is recommended for application in desize and scour baths. The product is also available as a 100% solid concentrate.

*PrepTechs 1080* - A high activity thermo stable alpha amylase enzyme preparation for desizing. The product is very economical as a result of its high activity.

**BLEACHING AUXILIARIES**

*PrepTechs 1030* - A formulated clay based bleaching auxiliary designed to enhance discontinuous bleaching performance while replacing chelate, organic stabilizer, sodium silicate, wetter and scour.

*PrepTechs 1081* - A concentrated catalase enzyme preparation engineered for the precise deactivation of hydrogen peroxide.

**DEPELLING ENZYMES**

*PrepTechs 1085* - An engineered cellulase for depilling and biopolishing knits and towels. The product may also be used for depilling dyed goods with minimal color loss.

**AFTER WASHING DETERGENTS**

*PrepTechs 1071* - A blend of detergents, builders, and anti-redeposition agents specially formulated for post scouring or soaping off of pigment dyes.

*PrepTechs 1072* - A blend of detergents, builders and anti-redeposition agents formulated for soaping off of reactive dyes.
ElasTechs® products comprise a wide range of chemicals formulated for sizing and weaving applications. The product range is positioned to assist in the high speed processing of all types of staple and filament yarns. ElasTechs® products are recommended for applications varying from simple cotton fabrics to high technology technical fabrics.

**STAPLE YARN SIZING BINDERS**

**ElasTechs® 2312** - A powdered acrylic polymer for application as a warp sizing binder. The product may be used in conjunction with starch and starch derivatives for the sizing of cotton, polyester / cotton, polyester / rayon and other blended yarns to be woven on high speed weaving machines. It may be also be used to replace polyvinyl alcohol in warp sizing formulations.

**ElasTechs® 2740** - A granular polyester polymer for application as a warp sizing binder. The product may be used in conjunction with starch and starch derivatives for the sizing of cotton, polyester / cotton, polyester / rayon and other blended yarns to be woven on high speed weaving machines. It may be also be used to replace polyvinyl alcohol in warp sizing formulations.

**STAPLE YARN ONE-SHOT SIZING AGENTS**

**ElasTechs® 2255** - A dry powdered sizing agent formulated for use alone for the sizing of ring spun denim yarns. The product contains all the necessary sizing components for a complete and balanced sizing formula.

**ElasTechs® 2307** - A powdered warp sizing agent formulated for the sizing ring spun cotton yarns to be woven on high speed weaving machines. The product is characterized by its clear and strong films. ElasTechs® 2307 requires no additives.

**ElasTechs® 2316-M** - A one shot sizing agent for sizing cotton yarns for high speed weaving. It is highly recommended for tightly constructed toweling.

**ElasTechs® 2355** - A one-shot sizing agent formulated for the sizing of cotton and polyester blended yarns woven on high-speed looms. The product contains a high percentage of synthetic polymer binder package designed to deliver optimum performance on critical styling.

**ElasTechs® 2362** - A premium one-shot sizing agent formulated for the sizing of cotton and polyester blended yarns woven on high-speed looms. The product contains a very high percentage of synthetic polymer binder package designed to deliver optimum performance on the most demanding fabric constructions.

**FILAMENT YARN SIZING AGENTS**

**ElasTechs® 2700** - A water dispersible polyester polymer in granular form. It is an excellent sizing agent for polyester filament warps, especially recommended fine denier and flat yarn to be woven on air jet looms. The product is available in 30% solids form for customers without cooking equipment.

**ElasTechs® 2720** - A water dispersible polyester polymer in granular form. This high performance product is designed for sizing polyester yarns on water jet looms.

**ElasTechs® 2800** - A water dispersible acrylic resin in liquid form. It is an excellent sizing agent for nylon yarn (and some polyester yarns) to be woven on air jet and other dry looms.
SIZING CHEMICALS

SIZING AUXILIARIES

**ElasTechs® 2115** - A 100% active water-soluble liquid surfactant lubricant for overwax application on the sizing machine. The product is recommended for use where low coefficient of friction and ease of removal are required.

**ElasTechs® 2125** - A hot water dispersible emulsified hydrogenated tallow glyceride based sizing lubricant in flake form designed for use with all typical warp-sizing components such as starch and polyvinyl alcohol. The product is available in a version compliant with the most stringent environmental regulations.

**ElasTechs® 2421** - A ready to use non-silicone defoamer for warp sizing. The product is recommended for use where partially hydrolyzed grades for polyvinyl alcohol are in use and the textile mill is uncomfortable with the use of silicone containing products.
FINISHING CHEMICALS

SurfTechs products are a group of specialty chemical finishes designed to lend unique performance characteristics to treated fabrics and garments. 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. The product is 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 repellants 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.
FINISHING CHEMICALS

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 emulifiable 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 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.
FINISHING CHEMICALS

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 garments. 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, garments and also for indigo denim garments. 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 garments.

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 higher concentration 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 repellants. 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.
DecoTechs products are a range of chemicals for the textile printing process. The product line comprises thickeners, binders and process specialties for all aqueous printing. Products are available for printing dyes and pigments. The products are highly recommended for high speed rotary screen printing.

**PRINT THICKENERS**

DecoTechs 5005 - A pre-neutralized inverse emulsion acrylate thickener that lends stable viscosity and high color yield while exhibiting little or no effect on fabric hand. The product has excellent package stability. A lower cost version is available for less demanding applications.

DecoTechs 5025 - An anionic cold water soluble carboxymethyl starch product for use as a textile printing thickener. The product is highly recommended for the printing of vat dyes on cotton fabric and disperse dyes on polyester.

DecoTechs 5027 - An anionic carboxy methyl tamarind gum based cold water soluble high viscosity specialty printing thickener recommended for use printing disperse dyestuffs on polyester and polyester blended fabrics with rotary and flat bed printing machines.

**PRINT BINDERS**

DecoTechs 5103 - A nonionic soft hand pigment printing binder designed for full aqueous printing of apparel fabrics. The product has little negative effect on paste viscosity and does not negatively affect color yield.

DecoTechs 5130 - An economical medium hand pigment printing binder designed for full aqueous printing of apparel and home furnishing fabrics. The product does not negatively affect color yield.

**PRINT PROCESS SPECIALTIES**

DecoTechs 5020 - A silicone based crock aid and softener for pigment print pastes. The product is highly recommended for use with soft hand type binders used in the printing of apparel fabrics.

DecoTechs 5410 - A 100% solid granular water soluble product formulated for use as a printing belt adhesive. The product is available for preparing either a low or high concentration adhesive.
**DYEING CHEMICALS**

**DyeTechs** products are a line of auxiliary products for the textile dyeing process. The product range comprises leveling agents, carriers, fixing agents, wetting agents, defoaming aids and a variety of specialty products.

**DYE AND PIGMENT FIXATIVES**

**DyeTechs 6115** - A highly reactive cationic polyamine polymer recommended for the fixation of indigo, sulfur, direct and fiber reactive dyes. This is a unique polymer that delivers very high performance.

**DyeTechs 6140** - A high purity cationic polyamine exclusively recommended for the fixation of fiber reactive dyes on high end fabrics.

**DyeTechs 6150** - A unique cationic acrylic polymer formulated for use as a cationizing pre-treatment and fixative for dyeing cotton and synthetic fabrics / garments with pigments or sulfur dyes.

**DyeTechs 6151** - A nonionic soft hand acrylic polymer for use as a binder in the pigment dyeing process. In conjunction with DyeTechs 6115 it creates excellent bonding between substrate and colors.

**DYEING AUXILIARIES**

**DyeTechs 6200** - A nonionic non-silicone defoaming agent formulated for use in jet dyeing machines, becks, package and finish baths. The product is highly recommended for jet and overflow machines with short liquor ratio or air stream technology.

**DyeTechs 6400** - An environmentally friendly (no chlorinated solvent or alkyl phenol) biodegradable leveling agent for disperse dyeing. The product provides excellent migration, leveling and dye yield with virtually no odor.

**DyeTechs 6410** - A blended carrier for disperse dyeing of polyester in atmospheric and pressure equipment. The product provides low odor with extremely high dye yields. It is well suited for yarn, piece goods and garments.

**DyeTechs 6550** - A phosphate free alkaline buffering agent for use in the reactive dyeing of cellulose. The product promotes full exhaustion of cold and medium temperature dyeing reactive dyes.

**DyeTechs 6700** - A highly versatile polymer for application as a solubilizer, dispersant, chelate and after scour for fiber reactive dyes.

**PROCESS SPECIALTIES**

**DyeTechs 6900-A** - A anionic softener and lubricant mixture formulated to aid in the beaming process of indigo and sulfur dyed ring and slub yarn. The product utilizes proprietary “no tangles” technology.

**DyeTechs 6900-N** - A nonionic softener and lubricant mixture formulated to aid in the beaming process of indigo and sulfur dyed yarn. The product facilitates easy separation of adjacent yarns be minimizing clinging problems.
Garment Washing Chemicals

WashTechs chemicals are an assembly of products for the garment wet processing industry. This product range includes products for desizing, abrasion, clean up and neutralization and finishing. Included in the assembly are several unique specialty products.

**Desizing Agents**

WashTechs 7001 - A formulated liquid surfactant desize and scour agent that is highly recommended as a key desizing recipe component. This product is effective at low dosage rates. It is safe for use in recipes containing sensitive alpha-amylase enzyme preparations.

WashTechs 7010 - A liquid biodegradable nonionic surfactant for use as wetting agent and detergent. The product is highly concentrated and is used at very low dosage rates.

WashTechs 7050 - A high activity liquid thermo stable amylase enzyme preparation for use as a desizing agent. This product provides for optimum desize performance for starch containing garments. The product is effective at a range of temperatures and is especially effective at high temperature.

**Abrasion Enzymes**

WashTechs 7102 D - A highly concentrated liquid non-buffered acid cellulase enzyme preparation. This product provides optimum abrasion performance in a very short cycle time. It is highly recommended for use as an abrasion agent for indigo denim. Denim abraded with the product exhibits far less back staining compared to conventional acid cellulase products.

WashTechs 7118 RTU - A unique “ready to use” powdered neutral cellulase product that provides high contrast abrasion performance with minimal effect on fabric strength. The product is also available in two higher concentration versions.

**Clean Up**

WashTechs 7200 - A high performance detergent ideal for garment clean up applications. The product wets fast, cleans thoroughly and is effective at low dosage rates.

**Performance Finishes**

WashTechs 7108 - An economical engineered cellulase for depilling and biopolishing knit garments. The product is highly recommended for depilling dyed goods.

WashTechs 7300 - A cationic reactive micro-emulsion silicone softener highly recommended for garments requiring a very soft and silky hand at low dosage rates. The product may also be used for softening denim and twills in combination with organic cationic softeners.

WashTechs 7320 - An economical polyethylene type softener ideal for indigo denim garments. The product lends smoothness and abrasion resistance — and enhances tear strength.

WashTechs 7335 - A 100% concentrated anti ozonate type softener lending very good hand, excellent resistance to ozone fading and good light fastness to treated indigo denim garments. The product is also available in a 65% solids concentration and lower cost version.
GARMENT WASHING CHEMICALS

WashTechs 7344 - A high performance cationic polyamine indigo fixing agent suggested for use on dark shade denims to help retain shade over multiple home launderings.

WashTechs 7350 - A high performance and environmentally friendly soil and stain release fluorochemical product recommended for the treatment of garments. The product is based on C-6 chemistry.

PROCESS SPECIALTIES

WashTechs 7070 - A unique cellulase product designed for use as an all in one desizing and abrading agent. The product contains all the components necessary for a one bath application. Use of this product greatly reduces processing time, water usage and energy usage.

WashTechs 7420 - A polyester polymer based anti redeposition agent designed for use on indigo denim to eliminate back staining on the fabric, pocketing and labels. It is very effective on cotton and cotton and polyester substrates. The product is also available in 75% and 90% easy to handle liquid as well as 100% solid concentrate form.

WashTechs 7425 - A water dispersible polyester and surfactant powder product for use with cellulase enzymes to reduce backstaining and improve contrast. The product is also available as pure polyester polymer without surfactant.
Polymer products are formulated backcoating polymers of various chemistries designed for application to woven carpets and rugs. The polymers provide excellent tuft bind values, anti pilling characteristics, stiffness and other performance characteristics. Polymer products are economical to use.

**CONVENTIONAL BACK COATING**

**Polymer 4070** is a formulated styrene butadiene copolymer emulsion polymer for use as a conventional carpet back coating. The product contains no filler. It is highly recommended for tightly constructed carpets.

**Polymer 4090** is a formulated vinyl acetate ethylene polymer emulsion polymer for use as a conventional carpet back coating. The product contains no filler. It is very economical.

**SPECIALTY BACK COATING**

**Polymer 600** is a compounded styrene butadiene copolymer emulsion polymer for use as a non-skid back coating. The product does not require foaming for application. It is available with or without white pigment.