



Product Catalogue

HONGHAO CHEMICAL CO.,LTD.

Textile Auxiliary

About Us

HONGHAO CHEMICAL CO.,LTD. ④

Honghao Chemical Co., Ltd. is a large scale comprehensive enterprise integrated with research & development, manufacturing, sales and service. Covers 18000 m², 50000 tons of annual production capacity. Has professional synthesis, emulsification, composition and application lab. As well as technical development platform based on silicone, polyester, surfactant.

And scientific multi-point control and strict inspection system. We adopt international advanced production & technological process, strictly implement the relevant standards of quality and environmental management system, our products are widely used in textile, daily chemicals, ceramics and pesticides etc.



01 Textile Chemical

Enzyme	Pretreatment auxiliary
Dyeing auxiliary	Functional finishing agent
Daily chemicals	Hand feeling finishing agent
Denim washing	Continuous process auxiliary

Star Product 02

Fixing agent
Hand feeling finishing agent
Wet rubbing fastness improving agent

03 Annual Production Capacity

Qingyuan Factory: 20000 Tons/Year
Sihui Factory: 50000 Tons/Year



Certification



CATALOGUE

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For knitting and yarn

Product name	Ionicity	Application	Fiber applicability	Appearance
Sequestering powder HT-CT	Nonionic 0.3-1.0g/L	Suitable for pretreatment and dyeing water softening, free of APEO and good sequestering with Ca^{2+} , Mg^{2+} , Fe & other ions.	All fiber	White powder
Bleaching stabilizer HT-CW	Anionic 0.5-2.0g/L	Suitable for bleaching of cotton, linen and other bleaching. Non-silicone bleaching stabilizer, have no influence on equipment and can control the decomposition of hydrogen peroxide effectively.	Cotton and its blended knitted and yarn	Light yellow transparent liquid
Scouring agent HT-JS	Nonionic 0.5-2.0g/L	Suitable for scouring, oil moving, penetration, dispersion process of cotton and its blended. It can give excellent capillary effect and whiteness as well as soft & smooth hand feeling.	Cotton fabric (pretreatment)	Colorless transparent liquid
Scouring enzyme HT-SM	Nonionic 2.0-3.0g/L	Suitable for the pretreatment of cotton and blending. Reducing weight loss and damage, improving the whiteness, capillary effect and hydrophilicity.	Cotton and its blended, knitted, woven and yarn	White particle
Sequestering agent HT-1022	Nonionic 1.0-2.0g/L	Suitable for pretreatment & water softening, and good sequestering with Ca^{2+} , Mg^{2+} , Fe & other ions. Also suitable for soaping after dyeing and have good flooding removing effect.	All fiber	Colorless transparent liquid
★ Oil removing agent HT-CY600	Nonionic 0.5-2.0g/L	Suitable for oil removing and scouring of cotton and its blended and yarn. Good oil removing effect at middle and low temperature, high capillary effect. Easy biodegradation, comply with environmental protection requirements.	All fiber	Colorless transparent liquid
Strong oil removing agent HT-H05	Nonionic 1.0-2.0g/L	Suitable for oil removing and scouring of cotton, polyester and nylon. Also can be used together with dyeing.	All fiber	White powder
Low temperature scouring agent HT-DJ501	Nonionic 1.0-2.0g/L	Suitable for low temperature pretreatment at 85-90°C of cotton, CVC, yarn and fiber with activating agent. With the effect of high whiteness, less weight loss and energy saving after treatment.	Cotton/ CVC	Colorless transparent liquid
Multifunction scouring agent HT-DAH	Anionic	Suitable for regulating and controlling peroxide decomposition to produce effective oxygen for bleaching and to prevent harmful catalytic reactions.	Cotton knitted (continuous process)	Colorless to light yellow transparent liquid

For woven fabric of cotton

Product name	Ionicity	Application	Fiber applicability	Appearance
Desizing enzyme HT-TJM	Nonionic 0.5-2.5g/L	Desizing agent can desize the starchy sizing agent and do not damage fiber, only have decomposition of starch, no influence to plant fiber with wide temperature treatment.	Cotton woven	Light yellow transparent liquid

Product name	Ionicity	Application	Fiber applicability	Appearance
Metal ions blocking agent	Nonionic 2-3g/L	Suitable for regulating and controlling hydrogen peroxide decomposition and to prevent harmful catalytic reactions.	Cotton, T/C	Light yellow powder
High efficiency desizing powder HT-1089C	Nonionic 5-8g/L	Suitable for desizing and scouring of all kinds of dyestuff, especially for chemical slurry with excellent stripping, breaking and emulsifying effect.	Cotton, T/C	White powder
Phosphorus-free sequestering agent	Anionic 1-2g/L	Suitable for water softening, and have good sequestering with Ca^{2+} , Mg^{2+} , Fe and other ions. Also suitable for soaping after dyeing and have good removing effect of unfixed dyes.	All fiber	Yellow transparent liquid
Sequestering agent HT-SEA	Nonionic 0.5-3g/L	Suitable for improving the reproducibility and safety of subsequent processes such as bleaching, dyeing, printing or finishing.	All fiber	Light yellow transparent liquid
Multifunction scouring agent HT-DAT	Cationic/Nonionic 12-15g/L	Suitable for pretreatment of cold pad-batch of woven cotton, silk, viscose and its chemical fiber blended.	Cotton woven	Light yellow to yellow transparent liquid
Oxygen bleaching stabilizer HT-HTP	Nonionic 8-12g/L	Suitable for continuous and semi-continuous oxygen bleaching process, which can prevent peroxides from decomposing too fast, and provide the best protection for fiber.	Cellulose fiber	Yellow, clear to slightly turbid liquid
Paste wax scouring agent DAM CONC	Cationic 4-8g/L	Remove the wax spots, wax lines, wax strips, wax stops, oil agents and oil stains on the fabrics, and the silicone spots produced by the silicone oil after finishing.	Cotton woven	Colorless to light-colored liquid
Alkali-resistant scouring agent HT-DAE	Nonionic/Anionic 5-10g/L	It is widely used in desizing, scouring and bleaching of cellulose fiber and its blended.	Cotton woven	light-colored paste
Strong penetration scouring agent HT-DAB	Anionic 0.5-2g/L	Suitable for all cellulose fiber pretreatment, dyeing and other processes, suitable for cotton and its blended, and even synthetic fiber and wool.	Cotton woven	Light yellow pulp
Bleaching stabilizer HT-HTC	Weak Anionic 15-25g/L	Suitable for continuous and semi-continuous oxygen bleaching process, with excellent dispersing performance.	Cellulose fiber	Colorless/ Yellow liquid
Migration inhibitor HT-2058	Anionic 10-20g/L	Suitable for continuous pad dyeing process of dispersion, reduction and coating. Preventing dyestuff migration and avoiding uneven dyeing. It also has the darkening effect.	Cotton/ T/C /Polyester	Light color viscous liquid
No foaming soaping agent HT-HX	Anionic 1.0~2.0g/L	Suitable for soaping after reactive dyeing or printing of cotton fiber with excellent soaping and rubbing fastness, no foam and easy to wash.	Cotton	Light color transparent liquid



Product name	Ionicity	Application	Fiber applicability	Appearance
Neutralizing soaping agent	Anionic 1.0-2.0g/L	Suitable for the neutralization of pretreatment ,after treatment , soaping and after mercerizing of cotton fabric, as well as saving water.	Cotton and its blended	Colorless transparent liquid
Shade change dye fixing agent HT-BS	Cationic 5-20g/L	Suitable for direct and reactive dyestuffs and can obviously improve various fastness, It can change shade(eliminate red shade), free of formaldehyde.	Cotton	Light yellow transparent liquid
Formaldehyde-free fixing agent HT-WPB	Cationic 5-20g/L	Suitable for fixing of the reactive dyestuff without formaldehyde,greatly improve the fastness of soaping and sweat staining.Good alkali resistance,and can be used in the mercerizing process of cotton fabric after fixing.	Cotton	Yellow transparent viscous liquid
Turquoise blue fixing agent HT-BF	Cationic 10-30g/L	Suitable for fixing agent of turquoise blue,brilliant blue and atrovirens.Without shade change and with special washability fastness effect.	Cotton	Light yellow transparent liquid
Wetting agent for dyeing HT-ST	Anionic 1.0-2.0g/L	Suitable for continuous padding and steaming process for cotton and its blended.	Woven	Light color paste
Stripping agent HT-HB	Weak Cationic 3-5g/L	Suitable for stripping of indanthrene and VAT dyes and free of formaldehyde.	Woven	Light yellow transparent liquid

For hand feeling finishing

Product name	Ionicity	Application	Fiber applicability	Appearance
★ Super soft & slip silicone oil HT-40	Weak Cationic 20-40g/L	With super soft and slip effect on cotton, linen, polyester and other kinds of fiber.For porous cotton fabrics, it can give more soft and elastic hand feeling.	Cotton fiber	Colorless transparent liquid
Softener HT-357B	Weak Cationic 20-50g/L	Suitable for hand feeling finishing of all kinds fiber,free of silicone,good hydrophilia and low yellowing. With soft, fluffy and fulness after treatment, especially for towel hand feeling processing.	All fiber	Yellow paste
★ Hydrophilic silicone oil HT-3220A	Weak Cationic 10-30g/L	With super hydrophilia on cotton fiber and color mending directly. Soft hand feeling, non-greasy and similar to be natural.	Cotton and its blended	Light color transparent liquid

For cotton fabric

Product name	Ionicity	Application	Fiber applicability	Appearance
Defoaming agent HT-9388B	Nonionic 2-5ppm	Suitable for defoaming on dyeing,printing,waste-water treatment and paper making of all kinds of fiber.	All fiber	Milky liquid
Low temperature soaping agent HT-DZ208	Nonionic 1-2g/L	Suitable for one soaping on cotton and T/C dyeing at low temperature about 60-65 °C,save energy.	Cotton	White powder
Levelling agent for reactive dyes HT-2022L	Anionic 0.5-1.0g/L	Suitable for dyeing of reactive dyestuff with levelling, dispersive effect.Can improve the dyestuff dissolution.	Cotton and its blended	Dark brown liquid
No foaming soaping agent HT-HX	Anionic 0.5-2.0g/L	Suitable for soaping after reactive dyeing of cotton and its blended with strong removing effect of unfixed dyes ,no foam and easy to wash.	Cotton and its blended	Light yellow transparent liquid
Alkali substitute HT-071	Nonionic 2.5g/L	Suitable for cotton fabric and yarn dyeing with reactive dyes,it can control the dyeing hydrolysis. with brightener, good color, less consumption and low cost.Only 1/8 dosage of sodium carbonate.	Cotton knitted/cheese	White powder
Neutralizing soaping agent HT-ADC	Anionic 0.2-0.3g/L	Suitable for the pretreatment neutralization of cotton fabric, cotton fabric after treatment neutralization and soaping, neutralization after mercerizing.	Cotton and its blended	Colorless transparent liquid
Formaldehyde-free fixing agent HT-WPB	Cationic 0.5-2.0% (o.w.f)	Suitable for reactive dyes fixing and free of formaldehyde that obviously improve washing and perspiration fastness. Good alkali resistance and can be use in mercerizing process after fixing.	Cotton	Yellow transparent viscous liquid
Chlorine-resistant fixing agent HT-GT25	Cationic 2.0-4.0% (o.w.f)	Suitable for fixing of reactive dyestuff and free of formaldehyde that obviously improve fastness of soaping and perspiration .Chlorine resistant is up to 50 PPM.	Cotton	Yellow transparent liquid
Fixing agent for direct dyes HT-2070H	Cationic 1.0-3.0% (o.w.f)	Suitable for direct and sulfur dyestuffs that can obviously improve various fastness and free of formaldehyde.	Cotton	Yellow transparent liquid
Shade change dye fixing agent HT-BS	Cationic 1.0-3.0% (o.w.f)	Suitable for direct and reactive dyes that can obviously improve various fastness, and free of formaldehyde. Red shade elimination.	Cotton	Light yellow transparent liquid
Turquoise blue fixing agent HT-BF	Cationic 1.0-3.0% (o.w.f)	Suitable for fixing agent of turquoise blue,brilliant blue and atrovirens.Without shade change and with special washability fastness effect.	Cotton	Light yellow transparent liquid



For polyester fabric

Product name	Ionicity	Application	Fiber applicability	Appearance
Expanding agent HT-P100	Nonionic / Anionic 2.0-4.0g/L	Suitable for dyeing of polyester and its blended at low temperature. It can improve dyeing rate, reduce defect and prevent deposit from oligomer and gelatinous dyes to machine and fabrics.	Polyester	Milky white liquid
Polyester fixing agent HT-DG-1	Cationic 2.0-3.0% (o.w.f)	Can improve fastness of sublimation & soaping after dyeing with disperse dyestuff, has slightly effect on shade.	Polyester	Light yellow liquid
Oligomer inhibitor HT-DF815	Weak anionic 0.5-1.5g/L	Strong effect of absorption, dispersion and dissolution to oligomer. Prevent the oligomer accumulation and solve the problems of spots, defects and dark shine which cause by oligomer during dyeing.	Polyester	Light color liquid
Polyester mending agent HT-H	Anionic 1.0-2.0g/L	Suitable for mending, leveling and stripping of disperse dyes on polyester. It can improve dyeing rate and reduce residual.	Polyester	Light yellow transparent liquid
Oil removing and high temperature levelling agent HT-LC	Anionic 0.4-2.0g/L	Suitable for dyeing of polyester knitted fabrics, and has good resistance, transfection and levelling effect on polyester and spandex. Can be used in ultra fine fiber dyeing; Pre-treatment and dyeing are completed in one step.	Polyester	Light yellow transparent liquid
Acid reduction cleaning powder HT-200E	Nonionic 1.0-3.0g/L	Suitable for reduction cleaning after dyeing with disperse dyestuff of polyester and its blended. Directly adjusted the Ph to 3-4.5 for reduction cleaning without water discharge when dyed for light color.	Polyester	White or gray granule
Alkaline reduction cleaning agent (Environmental)	Zwitter-ion 1.5-3.0g/L	Suitable for reduction cleaning after dyed with disperse dyestuff of polyester and its blended. Free of sulfur and no peculiar smell, an environment-friendly product.	Polyester	Light yellow transparent liquid
High temperature levelling agent HT-GY900	Nonionic 0.5-1.0g/L	Suitable for dyeing with disperse dyestuff of polyester and its blended at high temperature and high pressure. Low foam and good levelness.	Polyester	Reddish brown transparent liquid
Guide dyeing agent HT-RD100	Anionic/ Nonionic 0.5-2.5g/L	Suitable for dyeing at low temperature of polyester shrinkage filament. Prevent shrinkage yarn from shrinking during dyeing at high temperature and improve the dyeing rate.	Polyester	Yellow transparent liquid

For wool & nylon fabric

Product name	Ionicity	Application	Fiber applicability	Appearance
Spandex oil removing agent HT-GY600	Nonionic 1-3g/L	Suitable for pretreatment and after treatment of polyester, chinlon and its blended. Excellent effects on removing oils and stains on fabrics, prevent sizing and silicone spots from pretreatment.No effect on shade and fastness.	Polyester/chinlon	Colorless transparent liquid
Anti-creasing agent HT-1025	Anionic 1.0%-1.5%	Suitable for all kinds of fabric to prevent creases of rope fabrics during pretreatment,dyeing,and after treatment. No effect on shade and fastness.	All fiber	Colorless to light color viscous Liquid
Levelling agent for acid dyes HT-2194C	Zwitter-ion 1.0-2.0g/L	Suitable for dyeing and color mending of nylon,wool and blended with excellent levelling and migration,avoiding uneven color caused by bad dye compatibility.	Chinlon/wool	Yellowish brown transparent liquid
Acid levelling agent HT-HTW	Anionic 1.5-2.0g/L	Suitable for dyeing and color mending of chinlon, wool and blending without shade change.	Chinlon/wool	Yellow transparent liquid
Acid-releasing agent (pH Regulator) HT-2143D	Nonionic 0.5-1.5g/L	Suitable for pH stabilization of nylon,wool and chinlon during dyeing.As temperature increase,the organic acid release step by step and reduce pH that can get levelling dyeing effect.	Chinlon/wool	Colorless transparent liquid
Fluorescent acid fixing agent HT-GY	Anionic 2.0-3.0g/L	Suitable for fixing process of acid dyestuff and acid fluorescent dyestuff . Obviously improves soaping, washing,perspiration and chlorine fastness after processing.	Chinlon/wool	Reddish brown transparent liquid
Phenolic yellowing resistant HT-8191C	Anionic 15-30g/L	Suitable for preventing storage yellowing of white or light nylon fiber due to the contact with BHT. As BHT mostly occurs in plastic bags.	Chinlon	Yellow transparent liquid
High temperature anti-yellowing agent HT-GK	Nonionic 5-15g/L	Effectively prevent and reduce the polyamide fibre yellowing caused by high temperature sizing and pressing.	Chinlon	Colorless powder
Acid fixing agent HT-GTR	Anionic 2-4%(o.w.f)	Suitable for wool and nylon fixing after dyeing that can improve all fastness obviously,especially the fixing effect of chinlon ribbon padding.	Chinlon/wool	Reddish brown transparent liquid
Acid fixing agent HT-SP	Anionic 2.0-4.0% (o.w.f)	Suitable for fixing of wool,nylon,silk and leather after dyeing,obviously improve all fastness and slight shade change.	Chinlon/wool	Dark brown transparent liquid
Dyestuffs cosolvent HT-SR	Nonionic 1.0-3.0%	Suitable for dyeing and printing process of acid,direct and cationic dyestuffs .Prevent dyeing & printing spots due to second condensation of paste.	Dyes	Colorless transparent liquid
Anti-staining agent for printing with acid dyes HT-SF100	Zwitter-ion 2.0-3.0g/L	Suitable for white base anti-staining soaping of wool , chinlon printing and segment dyeing.	Chinlon/wool	Yellowish brown transparent liquid



Product name	Ionicity	Application	Fiber applicability	Appearance
Fixing agent for printing with acid dyes HT-505	Anionic 2.0-4.0% (o.w.f)"	Suitable for fixing of chinlon and wool after printing. Obviously improve all fastness and effectively prevent staining of white base.Slightly shade change on fluorescent dyestuff.	Chinlon/wool	Dark brown transparent viscous liquid
Fixing powder for acid dyes HT-NRS	Anionic 0.5-2g/L	Suitable for fixing of chinlon and wool after printing. Obviously improve all fastness and effectively prevent staining of white base.	Chinlon	Powder

For acrylic fabric

Product name	Ionicity	Application	Fiber applicability	Appearance
Soaping agent for cationic dyes HT-RZ50	Cationic 1.0-3.0g/L	Suitable for soaping of acrylic fiber dyeing. Effectively remove unfixed dyes and prevent staining of white base. No influence on the whiteness and brightness, Environmental product.	Acrylic	Light color transparent liquid
Levelling agent for cationic dyes HT-BDR	Cationic 1.0-2.0g/L	Suitable for levelling of acrylic fiber dyeing ,effectively prevent and repair dyeing spots.Environmental product.	Acrylic	Light yellow transparent liquid
Retarding agent for acrylic HT-RCT	Cationic 1.0-2.0g/L	Suitable for retarding of acrylic fiber dyeing with outstanding retarding effect. Environmental product.	Acrylic	Light yellow transparent liquid
Levelling agent for acrylic HT-1227	Cationic 1.0-2.0g/L	Suitable for levelling of acrylic fiber dyeing with strong retarding effect,effectively prevent and repair dyeing spots.	Acrylic	Light yellow transparent liquid
Levelling agent for acrylic HT-M08	Cationic 1.0-2.0g/L	Suitable for levelling of acrylic fiber ,effectively prevent dyeing spots.No influence on dye sorption.Environmental product.	Acrylic	Light yellow transparent liquid

For softener series

Product name	Ionicity	Application	Fiber applicability	Appearance
Pilling agent HT-G	Weak cationic 2.0-4.0g/L	Suitable for pilling hand feeling finishing of polyester and T/C with good softness, fluffy and full hand feeling.	Polyester, T/C	Milky white liquid
Softener HT-357B	Weak cationic 20-50g/L	Suitable for hand feeling finishing of all kinds fiber, free of silicone, good hydrophilia. With soft, fluffy and fluness hand feeling after treatment, especially for towel.	All fiber	Yellow paste
Hydrophilic softener HT-463	Weak cationic 20-50g/L	Suitable for after finishing of cotton, silk, wool, polyester, acrylic and other fiber yarn and soft finishing of denim, washed cloth, sweaters in the washing factory.	All fiber	Dark yellow transparent liquid

For smoothing series

Product name	Ionicity	Application	Fiber applicability	Appearance
Bright&smooth agent HT-6088HK	Weak cationic 1-3g/L	Suitable for after treatment of polyester, polyester super fine denier, mercerized yarn and garment mercerization with smooth, fluffy, soft and delicate feel.	All fiber	Light transparent liquid

For silicone oil emulsion series

Product name	Ionicity	Application	Fiber applicability	Appearance
Ice sense silicone oil HT-6089D	Cationic 80g/L	It's soft and smooth ice sense silicone oil, suitable for fluffy and soft finishing of all kinds of fabrics. After finishing, the fabric has good fluffiness, softness and smoothness.	Cotton/ CVC knitted	Light yellow transparent liquid
Ice sense silicone oil HT-6450	Cationic 40-80g/L	Hydrophobic silicone oil, suitable for soft finishing of all kinds of fabrics with fluffy, soft and smooth hand feeling.	Cotton/ CVC knitted	Light yellow transparent liquid
Ice sense silicone oil HT-401HA	Weak cationic 40-80g/L	Suitable for soft and smooth finishing of all kinds of fabrics, especially for cotton and its blended fabrics and home textiles. Confers fluffy, soft and delicate hand feeling to fabric. Excellent stability.	Cotton/ CVC knitted	Light color transparent liquid
Silicone oil HT-40A	Weak cationic 20-40g/L	Suitable for soft and smooth finishing of all kinds of fabrics, especially for cotton and its blended fabrics and home textiles. Confers fluffy, soft and delicate hand feeling to fabric. Excellent stability.	Cotton/ blended knitted/ woven	Light yellow transparent liquid

Product name	Ionicity	Application	Fiber applicability	Appearance
Silicone oil HT-40KB	Weak cationic 20-40g/L	Confers the fabric with hydrophilic, fluffy and soft hand feeling .	Cotton/ blended knitted/ woven	Light yellow transparent liquid
Deepening silicone oil HT-140H	Weak cationic 10-40g/L	Mainly used for the darkening treatment of cotton with reactive black and sulfur black dyed. Deepening of 20-40% and no influence on color fastness. Confers the fabric with good smooth hand feeling.	Chemical fiber/ Cotton	Light yellow transparent liquid

For organic silicone series

Product name	Ionicity	Application	Fiber applicability	Appearance
Hydrophilic silicone oil HT-980	Weak cationic 10-40g/L	A quaternary ammonium salt modified soft finishing agent which synthesized by a new synthetic technique with better soft, silky and fluffy hand feeling .Good hydrophilicity and stability.	Cotton	Yellow transparent liquid
Hydrophilic polyether silicone oil HT-990	Weak cationic 10-40g/L	With soft ,smooth hand feeling as well as excellent hydrophilicity, antistatic and anti-fouling properties. Suitable for soft finishing of polyester, cotton underwear, towel and wool blended.	Chemical fiber, cotton	Light yellow transparent liquid
Amino silicone oil HT-180	Weak cationic 10-40g/L	Easy to be emulsified into stable micro-emulsion, confers cotton, linen, chemical fiber and its blended with softness and smoothness. Has a good compatibility with fabrics and easy to be mixed. 10% micro-emulsion of HT-180 can reach same hand feeling of 25%-30% of HT-8040	Chemical fiber, cotton	Light yellow liquid
Low yellowing amino silicone oil HT-280	Weak cationic 10-40g/L	Confers the fabrics with fluffy ,soft hand feeling and hydrophobic.	Chemical fiber, cotton	Light yellow liquid
Amino silicone oil HT-380	Weak cationic 10-40g/L	Easy to be emulsified into stable micro-emulsion, confers cotton, linen, chemical fiber and its blended with softness and smoothness. Has a good compatibility with fabrics and easy to be mixed.	Chemical fiber, cotton	Light yellow liquid

For blocking silicone series

Product name	Ionicity	Application	Fiber applicability	Appearance
★ High concentration silicone oil HT-3206E	Weak cationic 1%-3%	Has a best effect on cotton, also suitable for T/C, CVC and other fibers and fabrics. With excellent hydrophilicity and the hydrophilicity of treated cotton is 2-3 seconds.	Cotton , T/C knitted	Light yellow transparent liquid

Product name	Ionicity	Application	Fiber applicability	Appearance
Hydrophilic silicone oil HT-3206E2	Weak cationic 20-40g/L	Confers all kinds of fiber with fluffy,soft and elastic hand feeling.Suitable for soft hand feeling of towel,polyester, cotton and its blended.	Cotton , T/C knitted	Light yellow transparent liquid
Hydrophilic silicone oil HT-145A	Weak cationic 20-40g/L	Confers the fabrics with hydrophilic,soft and smooth hand feeling.	Cotton ,blended knitted,woven	Light yellow transparent liquid
Silicone oil HT-6131	Weak cationic 20-40g/L	Suitable for all kinds of fabrics, especially for the soft hand feeling of cotton and its blended. Confers the fabric with fluffy, soft and delicate hand feeling style. Excellent stability.	Cotton,chemical fiber, blended knitted, woven	Light yellow transparent liquid
Silicone oil HT-6050C	Weak cationic 20-40g/L	Mainly used for chemical fiber and also suitable for polyester,chinlon and cotton. Comparing with general amino modified softener,it confers excellent smooth and fluffy hand feeling.	T/C, blended knitted	Light yellow transparent liquid
Terpolymer silicone oil HT-6097	Weak cationic 10-40g/L	Suitable for smooth hand feeling of all kinds of fabrics. it confers excellent smooth ,oily & fluffy hand feeling.	Chemical fiber, cotton	Light yellow transparent liquid
Terpolymer silicone oil HT-6020	Weak cationic 10-40g/L	Mainly used for T/C and also suitable for polyester,chinlon and cotton. Comparing with general amino modified softener,it confers excellent smooth and fluffy hand feeling.	Chemical fiber, cotton	Light yellow transparent liquid



For other series

Product name	Ionicity	Application	Fiber applicability	Appearance
Cationic softener flake	Cationic 20-40g/L	Confers the fabrics with fluffy ,soft hand feeling and water-repellency.	Cotton, chemical fiber, blended knitted, woven	Light yellow flake
Towel silicone oil HT-6033	Weak cationic 1%-3%	Confers the fabrics with hydrophilic,soft and smooth hand feeling.	Towel	Light yellow transparent liquid
Towel silicone oil HT-6033H	Weak cationic 1%-3%	Confers the fabrics with hydrophilic,soft and smooth hand feeling.	Towel	Milky viscous liquid



For functional finishing

Product name	Ionicity	Application	Fiber applicability	Appearance
Wet rubbing fastness improving agent HT-809	Cationic 20-40g/L	Suitable for fixing of direct,reactive,sulfur,acid and disperse dyestuffs and improve wet rubbing fastness by 1-2 grade,no influence on shade and light fastness.	All fiber	Yellow transparent liquid
★ Wet rubbing fastness improving agent HT-825	Cationic 20-40g/L	Suitable for fixing of direct,reactive,sulfur,acid and disperse dyestuffs and improve wet rubbing fastness 1-2 grade,no influence on shade and light fastness.Comply with the eu's oeko-tex Standard 100.	All fiber	Yellow transparent liquid
Antistatic agent HT-FKD	Nonionic 2-3g/L	Suitable for static elimination in polyester,nylon,PVC and other synthetic fiber.Also mixed use with anionic and cationic.	Synthetic fiber	Colorless transparent liquid
Antistatic agent HT-KD	Cationic 20-40g/L	Suitable for static elimination in polyester,nylon,PVC and other synthetic fiber.	Synthetic fiber	Yellow liquid
Anti-slipping agent HT-9229	Nonionic 10-30g/L	It prevents the cracking of the fabric and the slippage of the yarn when the thin fabric is bent, greatly improving the slip resistance and sewing yarn strength, decrease pilling tendency.	All fiber	Light color paste
★ Deepening silicone oil HT-200	Weak cationic 20-40g/L	Suitable for all kinds of fibers for deepening and brightening processing,deepening of 10-30% and no influence on shade fastness.	All fiber	Milky liquid
Moisture absorption and perspiration dischargable agent HT-8868	Nonionic 10-40g/L	Suitable for moisture absorption & perspiration discharge finish of cotton and one bath dyeing at high temperature. Especially for knitted fabrics sports wear,socks,ect.	Chemical fiber	Beige viscous liquid
Anti-pilling agent HT-8168D	Weak cationic 30-50g/L	Suitable for anti-pilling finishing of all kinds of fiber,easy to operate,non-yellowing and with better hand feeling.	All fiber	Yellow transparent liquid
Weighting agent HT-ZL (cotton)	Nonionic 80-120g/L	Suitable for weighting finish of cotton and rayon, it increases 5-8% of gram weight.	Cotton/CVC	Colorless transparent liquid
Weighting agent HT-ZLD (polyester)	Nonionic 80-120g/L	Suitable for weighting finishing of cotton and polyester, gram weight can increase 5-8%.	Polyester,T/C	White powder
★ Light fastness improver HT-RL	Nonionic 0.5-1.0g/L	Suitable for fixing process of cotton,wool,and polyester , improves light fastness,good stability and in one bath at high temperature.	Cotton/wool/ polyester	Light yellow transparent liquid

Product name	Ionicity	Application	Fiber applicability	Appearance
Uvioresistant Agent HT-100	Nonionic	Suitable for uvioresistant finish for all kinds of fiber and improving the light fastness of some dyes.	All fiber	Colorless transparent liquid
Fluoride-free waterproofing agent HT-1100	Cationic 60-100g/L	Suitable for waterproofing finishing of all kinds fiber , It is environmental and free of fluorife.	All fiber	Milky muddy liquid
Dye fixing agent remover HT-TR22	Anionic 3-5g/L	Suitable for cationic fixing agent removing of reactive and direct dyes, it reduces or avoid color defect problem.	Cellulose fiber	Dark brown transparent liquid
Silicone spot stripping agent HT-BG50	Nonionic 5-15g/L	Suitable for all kinds of fiber,Can effectively remove silicone spots on fabrics and three-proof finishing agent, has no influence on strength and hand feeling of fabric.	All fiber	Colorless transparent liquid
Silicone thickener	Nonionic 0.5-2%	Specially for improving viscosity of silicone.	Amino silicone oil	Light yellow transparent liquid
Stiffening agent HT-8204	Anionic 40-60g/L	Suitable for stiffening processing of all kinds fiber and knitting sizing processing.	All fiber	Milky viscous liquid
Flame retardant (one time)	Nonionic/ Anionic 280~400 g/l	Excellent flame retardant effect,basicly no continue burning and flame retardant phenomenon.	All fiber	Colorless transparent liquid
Flame retardant (persistent)	Anionic 60-200g/L	Excellent flame retardant effect,no contioue burning and flame retarding after processing	All fiber	Colorless transparent liquid
Antibacterial agent HT-KJ	Nonionic 2-3g/L	High sterilization and bacteriostasis rate, wide antibacterial.Harmless to human body, durable antibacterial effect.Good hydrophilicity, mixed using with moisture absorption perspiration finishing agent.	All fiber	Light yellow transparent liquid
Wax removing agent HT-1012B	Nonionic 20-30g/L	Especially for emulsion and removing of wax string and wax on T/C.	Cotton and its blended	Colorless transparent liquid

For denim washing

Product name	Ionicity	Application	Fiber applicability	Appearance
Fixing agent HT-Y	Cationic 2-4%	Used for printing and dyeing of direct , acid dyes to improve its fastness properties such as soaping, washing, perspiration, water immersion and rubbing.	Cotton	Colorless transparent liquid
Anti-staining detergent HT-1003A	Nonionic 2-3%	Suitable for pre-treatment and water washing process. With good emulsifying, dispersing and wetting ability, can remove dirt, oily substances, floating color, improve washing and desizing effect in the denim washing process.	Cotton and its blended	Colorless to light yellow transparent liquid
Sizing penetrant HT-1021	Anionic/ Nonionic 5-8g/L	High-efficiency, fast low-foam penetrant specially developed for pulp and dyeing machine, strong alkali resistance, excellent penetration, emulsification, dispersion and washing effect.	Cotton and its blended	Yellow to dark yellow viscous liquid
Anti-staining powder HT-FR130	Cationic 1-1.5%	It provides significant and lasting anti-back dyeing effect with few dosage, which will not cause the fabric to lose its elasticity. Removes impurities on the surface made the surface and makes the surface of the fabric cleaner.	Garment wash	White to light yellow powder
Metal zipper protector HT-JB	Cationic 2-4%	It prevents the metal accessories on the garment from being corroded during the dyeing process, and prevent the treated fabric from sticking and staining	Metal accessories on Garment	Yellow transparent liquid
Mercerizing wetting agent HT-3083P	Anionic/ Nonionic 5-10g/	Is a surfactant for mercerizing, polyester alkali reduction process. It provides excellent alkali resistance, penetration, emulsification, dispersion. It prevents mercerizing alkali scaling and improve gloss after mercerization.	Cotton and its blended	Yellow transparent liquid
Enzyme powder	Nonionic 0.5-1.5%	High resistance to back dyeing, obvious figuring, and fast abrasion. No additional buffer is required during operating.	Denim, cotton casual cloth	Light yellow powder
Cationic modifying agent HT-GX680	Cationic 2-4%	New technology for dyeing clothing coatings of cellulose fibers and dyeing in the one bath with direct and reactive dyes. It provides fabric with soft hand feeling and bright shades.	Cotton	Yellow transparent liquid
Neutral polishing agent HT-539	Nonionic 0.3-0.6%	Apply for polishing of cellulose fibers fabrics.	Cotton	Yellow transparent liquid
Desizing enzyme	Nonionic 1-5%	For desizing of fabrics and garments, removing other synthetic pulps such as starch, starch derivatives and starch mixtures. Compatible with many chemical additives.	Cotton	Dark brown transparent liquid



For daily chemicals

Product name	Ionicity	Application	Fiber applicability	Appearance
Thickener for cleaning agent HT-JT100	Anionic 0.3-5g/L	Suitable for thickening of liquid detergent and laundry detergent.	Daily Chemical	Light yellow viscous liquid
Acid thickener HT-999	Cationic/Nonionic 1-2%	Suitable for thickening in the strong acidic system, also can be used for household cleaning and industrial cleaning.	Daily Chemical	Yellow transparent liquid
Thickener 100	Anionic/Nonionic 0.5-3.0%	Suitable for thickening, emulsion, cleaning and dispersing effect of daily chemical.	Daily Chemical	White powder
Thickener 300	Anionic 1.5-4.0%	Suitable for thickening, emulsion, cleaning and dispersing effect of daily chemical.	Daily Chemical	Yellow viscous liquid
Thickener 500	Anionic 1.0-3.0%	Suitable for thickening, emulsion, cleaning and dispersing effect of daily chemical.	Daily Chemical	Yellow viscous liquid

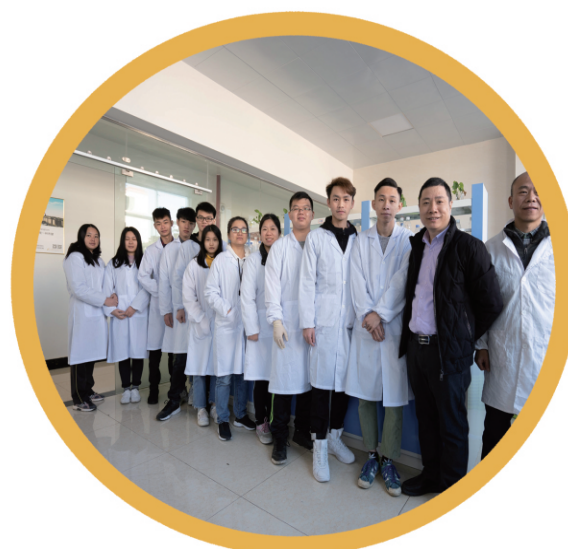
For knitted cotton fabric

Product name	Ionicity	Application	Fiber applicability	Appearance
Neutral polishing enzyme	Nonionic 0.3-0.6%	Suitable for removing surface villus on the cellulose fibre, can improve the smooth surface of the fabric and give a good hand feeling after processing.	Cellulose fiber	Light yellow transparent liquid
Acid polishing enzyme	Nonionic 0.3-0.6%	Suitable for removing surface villus on the cellulose fibre, can improve the smooth surface of the fabric after processing and use at normal temperature.	Cellulose fiber	Light yellow transparent liquid
Galerine deoxidize enzyme	Nonionic 0.08-0.12%	Suitable for removing residual hydrogen peroxide after bleaching of cellulose fiber and its blended fabric. Can dye without drain after treated.	Cotton and its blended	Light green transparent liquid
High temperature amylase	Nonionic 1.0-6.0%	Suitable for starch paste desizing under wide temperature range. Free of APEO and thermally stable amylase, suitable for a wide temperature range.	Cellulose fiber and its blended	Light brown transparent liquid
Pectinase	Nonionic 1-2%	Suitable for the scouring of cotton and its blended, effectively decompose impurity on the cotton fiber and increase the rate of color with excellent hand feeling.	Cellulose fiber	Light yellow transparent liquid





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