



# 杭州索伏特科技有限公司

HANGZHOU SOFT TECHNOLOGY CO., LTD.

为您提供绿色、环保、高效、节能的纺织印染化学品



- \*Pre-treatment Auxiliaries
- \*Dyeing Auxiliaries
- \*Water and oil Repellent Agent
- \*Optical Brightener Agent
- \*Finishing Auxiliaries
- Block Silicone Oil and Emulsion
- Amino Silicone Oil and Emulsion
- Hydrophilic Silicone Oil and Emulsion

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## Introduction

Hangzhou Soft Technology Co., Ltd. is located in the beautiful city Hangzhou. It is a high-tech company. Mainly engaged in research, manufacture and sale of textile dyeing and printing chemicals.

We have a number of professional research technicians that specialize in macromolecule synthesis, chemical engineering, textile chemicals, dyeing and finishing technology. We cooperated with domestic universities and famous foreign enterprises widely, to develop the new textile chemicals and new fabrics.

We produce high concentrate Textile Chemicals, our main products are: Softening Agent, Detergent, Scouring Agent, Sequester Agent, Wetting Agent, Fixing Agent, Soaping Agent, Leveling Agent, OBA, Water and Oil Repellent Agent; Moisture Wicking Agent Series; Nanometer Disperse Dyes For Direct Printing Without Washing and so on.

Our pursuit of first-rate quality, reasonable prices and comprehensive after sales services offers both potential and long-standing clientele confidence in our company. If your business requires any of our product range, please contact us with details of your specific requirements.

## MAIN PRODUCTS

### \*Pre-treatment Auxiliaries

Multifunction Scouring Agent	SF-117conc
High efficient Scouring Agent	SF-200conc
High-efficiency Penetrating Agent	ZSW-3
Efficient Desizing Powder	SF-21S
Sequester and dispersing Powder	SF-C04
lol Revover	SF-288M

### \*Dyeing Auxiliaries

Cotton Leveling Agent	SF-304
High-temperature Leveling Agent	STP
Soda Ash Substitute	SF-310
Dyeing Carrier	SF-313
Soaping Powder	SFK-3 SFK-4
Non-phosphorus Foamless Soaping Agent	SF-634
Non-formaldehyde Fixing Agent	SF-2300

### \*Finishing Auxiliaries

Block Silicone Oil and Emulsion	SF-685K, 686, 687, 688, 689, SRS, SQS
Amino Silicone Oil and Emulsion	SF-501,502,505,506,516,508,504,819,806,440
Hydrophilic Silicone Oil and Emulsion	SFC,SFK,SFA,SFN,SFD,SFQ
Moisture Wicking Agent Series	SF-1470H,1472R,1473,1475
Softener (Cationic & Non-ionic)	SF-C/DPL, SF-521
Deeping Agent	DH-X, DH-Y

### \*Water and oil Repellent Agent

### \*Optical Brightener Agent

Optical Brightener Agent	SF-08
Optical Brightener Agent	SF-06

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Pretreatment Auxiliary Agents			
Product Name	pH/Content	Ionic	Properties
Efficient Desizing Powder SF-21S	pH(1% liquid): 10-12 ***	Anion/ Non-ionic Powder	Emulsifying, dispersing, oxidative decomposing the size completely. Excellent functions of removal, washing, dispersing the size, prevent the size stain again. Removing the oil in the fabric efficiently, improving the whiteness and dyeing brightness. Dosage: 1.0-2.0g/L.
Desizing Agent SF-210conc	pH:5-7 29-31%	Anionic Liquid	Excellent properties of penetrating, wetting, disperesing and emulsification. Has excellent effect of emulsification and dispersing for acrylic sizes. Prevent the sizes reaggregate and redeposit in the fiber effectively. Suitalbe for desize and scour of polyester, chinlon and their blends. Dosage: 1.0-2.0g/L.
Multifuction Scouring Agent SF-117conc	pH(1% liquid): 12-13 ***	Non-ionic White powder	It is a scouring and bleaching agent for cellulosic fibers and its blends. It has the effect of scouring agent, penetrating agent, alkali agent, and hydrogen peroxide stable agent. It makes process simple and easy to control while improving the fabric' s quality. And it won' t cause breaking and not decline the strength. Dosage: 2.0-4.0g/L.
High efficient Scouring Agent SF-200conc	pH(1% liquid): 6-7 72-76%	Anionic/ Non-ionic Liquid	High concentrate, low cost. Can be used directly and also after diluted. Easy to dilute. Mainly used in pre-treatment such as scouring process of cotton yarn, cotton knitting and cotton weaving. Compaire with alkaline agent to remove the natural impurities such as size, pectin, salt, color, wax and etc. Make the good effect of whiteness and penetrate ability to the fabric Dosage: for dipping: 0.2-1.0%,for padding: 2.0-4.0g/L.
High-performance oil-remover SF-288M	pH: 5-7 ≥80%	Anionic/ Non-ionic Paste	Suitable for the oil removal process of polyester, polyamide and its blend fabrics; can remove thegrease, wax and machine oil stains and the former spinning, spinning process in the oil, as well as storage and transportantion in the process of contamination. It can also be used for washing and soaping, which can increase the whiteness of the fabric and improve the feel and appearance of the fabric. Dosage:0.5-1.5g/L.
High-efficiency Penetrating Agent ZSW-3	pH: 5-7 29-32%	Non-ionic Liquid	Excellent properties of emulsification and penetration; Used in wool milling processing; Swelling and penetrating; Improving the character of softening agent. Dosage: 0.5-1.5g/L.

Product Name	pH/Content	Ionic	Properties
High Performance Defoaming Agent SF-89	pH: 7-8 14-16%	Anionic liquid	Suitable for all kinds of equipment and processes. The stable defoamer containing silicone and polyether structure has the characteristics of fast defoaming, less dosage, long time of defoaming. Widely used in water treatment, washing, dyeing and finishing, glue, adhesives, paper, coating and other fields, effectively eliminate and control foam, improve production efficiency. Dosage: 0.05-0.5g/L.
Sequester and Dispersing Agent SFP	pH: 2.5-3.5 24-26%	Anionic Liquid	High efficiency and multifunction. Excellent chelating shield ability with heavy metal ion. Excellent dispersing. Avoiding the silicon sediment made in bleaching process. Improving capillary effect, whiteness. Improving dye-uptake, level-dyeing property, brightness and friction fastness, avoiding shade dull. Suitable for Scouring, bleaching, dyeing and washing process. Dosage: 1.0-2.0g/L.
Sequester and dispersing Powder SF-C04	pH(1% liquid): 8-9 ***	Anionic Powder	High concentrate, low cost. It is suitable for variety processes such as scouring, bleaching, dyeing and soaping wash at anionic conditions. High efficiency and multifunction. Excellent chelating shield ability with heavy metal ion. Dosage: 0.2-0.5g/L.
Peroxide stabilizer SF-110	pH(1% liquid): 2.5-3.5 40-43%	Anionic Liquid	Chelation and adsorption with metal ion such as Fe and Cu, effectually restraining their catalysis decomposition to H2O2; Improving whiteness, capillary effect and handle. Dosage: intermittent 0.5-1.0g/L, cold pile and continuous boiling and bleaching:2.0-5.0g/L.
Cotton Leveling Agent SF-304	pH: 5-7 16-18%	Anion / non-ionic Liquid	Suitable for dyeing bobbin yarn and woven fabrics. Prominent properties of dispersing, retarding, penetrating, dye mobility. Avoiding color difference between inner layer and outer layer for cone dyeing. Resisting coloring speck and coloring strips. Dosage: 1.0-2.0g/L
Cotton Leveling Powder SF-303conc	pH(1% liquid): 7-8 ***	Anion / non-ionic Powder	Avoiding uneven dyeing when using reactive/direct dyes for cotton/hemp/blended fabrics; Avoiding color difference between inner layer and outer layer for cone dyeing; Repairing unevenly dyed fabrics at a certain extent. Dosage: 0.2-0.6g/L

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## Dyeing Auxiliary Agents

Product Name	pH/Content	Ionic	Properties
High temperature leveling Synergist SF-3100	pH(1% liquid): 5-8 100%	Anion Powder	For polyester high temperature leveling. The dispersibility, mobility, slow dyeing and levelling property. Make the next process easy to soft. Dosage: 0.5-2%(o.w.f) for leveling agent of SF-3100 (20% liquid). 1-3%(o.w.f) for correcting agent of SF-3100 (20% liquid).
Polyester Dispersing and Leveling Agent STP-3	pH: 6-8 68-70%	Anion/ Non-ionic Liquid	Remarkable dispersibility and mobility, and leveling property, with little mottled appearance and dye streak; High dye exhaustion, saving dye cost and reducing effluent; Excellent stability in Glauber' s Salt, and suitable for T/C, T/R in one-bath dyeing, Especial suitable for yarn. Dosage: 0.3-0.5g/L for leveling agent, 2-3g/L for Correction agent.
Acid Leveling Agent Nbconc	pH: 5-7 (1% liquid) 78-81%	Zwitterionic Paste	It is suitable for dyeing wool fabric and nylon fabric with acid and metal complex dyes. Effective control of the initial color rate, excellent dye transfer, low foaming, small color changing, not affect the color yield, it is an excellent levelling agent. Dosage: 0.5-2.0% o.w.f for 20% NBconc
Cationic Leveling Agent SF-1227	pH: 6-8 50%	Cationic Liquid	For Acrylic fiber. Pronounced initial retarding effect, remarkable migrating effect at high temperature and excellent leveling effect in the dyeing with cationic dyes with little deterioration to color fastness; Effective to repair color speck and color strips with little color changes; Excellent thermal stability. Dosage: 1-4g/L.
Dyeing Carrier SF-312N	pH: 5-7 40-43%	Non-ionic Liquid	Used in polyester, Improving the dyes dispersing in the fiber; Excellent mobility; stable to acid, alkali, high temperature, good stability; won' t course the oil spot; improving leveling and penetrating when add in dyeing bath, and can correct color spot, color staining, color degree and so on dyeing flaw. Dosage: 1-3% as Carrier, 1-3g/L as corrector, 0.2-0.5g/L as Leveling agent.
High Efficient Dyeing Carrier SF-313	pH: 5-7 34-36%	Non-ionic Liquid	A high efficient dyeing conductor and correction agent with special functional structure for polyester dyeing. Increasing the diffuse rate of disperse dyes on polyester fibers, leading to excellent dye mobility; Improving leveling dyeing, dye penetration, and brightness; Correcting dyeing faults such as color spot, color staining, mottled appearance if used after dyeing; Dosage: 1-6g/L

Product Name	pH/Content	Ionic	Properties
Polyester Correction Agent SF-315	pH: 5-7 58-61%	Anion/ Non-ionic liquid	Special aromatic ester compound. Excellent dye dispersing and mobility. Improving leveling dyeing, dye penetration, and brightness. Correcting dyeing faults such as color spot, color staining effectively. Little change of the color bright. Good solvability for dye and can remove the dogged color spots. Dosage: 2-3g/L as corrector, 0.3-0.5g/L as leveling agent.
High efficient Anti-fouling Soaping Agent SF-301	pH: 7 30-33%	Cationic/ Non-ionic liquid	Suitable for soaping process for wool, nylon and silk used acid dyes, reactive dyes, neutral dyes, direct dyes. polyester, Special macromolecular surfactant, with strong chelating, dispersing, emulsifying ability, excellent color fastness after washing. Excellent anti-fouling in white. Dosage: 1-3g/L, soaping temperature: <50°C
Soaping Powder SFK-3	pH(1% liquid): 9-10 ***	Anionic/ Non-ionic Powder	Good flow property, low dust, easy soluble in water, won' t change the color light; can used in the soaping of dyeing polyester, wool, polyamide, acrylic and cellulose fibers.
Acid Soap Washing Agent SF-425	pH: 2-3 51-53%	Anionic Liquid	Suitable for soaping washing after dyeing or printing cellulose fibers with reactive dyes. It can make soaping and neutralize in one step. Shorten the process, save water and time. It has excellent chelate ability, removal the floating color, good fastness after washing , no influence the color light. Excellent anti-stick performance. Dosage: 0.2-1g/L.
Non-phosphorus Foamless Soaping Agent SF-634	pH(1% liquid): 7-9 43-45%	Anionic Liquid	Good chelating, dispersing, suspension and washing abilities; Removing surface unfixed color efficiently, insure the color fastness and make the shade brighter, the fabric cleaner; Excellent anti-staining property, have anti-staining effect even though soap washing below 95°C; Dosage: 0.2-1g/L.
Reducing Washing Agent RS-1002	pH(1% liquid): 9-10.5 21-24%	Anionic Liquid	Mainly used in reducing wash the polyester and T/C after dyeing or printing; Needn' t drained away the water after dyeing process when dyed Polyester and T/C. Only to add HAC and RS-100 to get high fastness; High efficiency, have better reducing and washing ability than sodium hydrosulfite; Convenient, saving energy and high efficacy. Dosage: 0.5-2g/L

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Product Name	pH/Content	Ionic	Properties
Soaping Enzyme SF-0057	pH(1% liquid): 8-10 ***	Anion Powder	Used in soap washing process after dyeing by reactive dyes. It can decompose the hydrolyzed dyes and floating colors in the solution, so that the floating colors on the fabric can be washed more easily and fully. And it has no effect on the dyes have been bonded with the fibers. has better washing fastness, perspiration fastness and rubbing fastness. degrade the floating color in dyeing wastewater, reduce the washing times. Dosage: 0.3-1g/L.
Nylon Fixing Agent SF-260	pH: 2-4 36-38%	Anionic Liquid	Suitable for nylon dyed and printed by Acid dyes; Improving washing fastness and perspiration fastness obviously; Can used as finishing agent in Nylon printing, not only to avoid staining the dye but also improve the wet fastness when add to bleaching wash bath. Dosage: 0.5-1% for light color, 1-1.5% for dark color.
Non-formaldehyde Fixing Agent SF-2300	pH: 4-7 47-49%	Cationic Liquid	Mainly used in the dyeing or printing of Cotton, Viscose, Wool, Silk fiber which use reactive dyes and so on anionic dyes. Improving colorfastness obviously; .Meet the requirements of environmental fabric. Dosage: 0.2-1.2% for dipping process, 5-16g/L for padding process.
Turquosise-blue Fixing Agent SF-234	pH: 4-7 19-21%	Cationic Liquid	Used as special fixing agent after dyeing or printing cellulose fibers by reactive turquoise blue. Also for finishing treatment for wool and silk. Excellent wet fastness and washing fastness. No influence in the handle and rewetting performance. Dosage: 4-8% for dipping process, 25-50g/L for padding process.
Polyester fixing agent SF-436	pH: 5-7 54-58%	Cationic Liquid	It is a cationic macromolecular polymer. For fixing the polyester dyed by disperse dyes. Improve the sublimation fastness and washing fastness. Little influence in the color shade. Dosage: 10-25g/L for padding process.

Product Name	pH/Content	Ionic	Properties
Soda Ash Substitute SF-310	pH(1% liquid): 12-13 ***	Anion/ Non-ionic Powder	Suitable for dyeing by reactive dyes. Substitute the Soda Ash. Excellent rubbin fastness; Excellent dyeing returning ability; No different color; Obtain levelling dyeing effect. Dosage: 1-4g/L.
Eliminating static Agent SF-2026	pH: 5-7 27-29%	Cationic Liquid	Excellent property of eliminating static. Good resistance to hot, convenient for process with finishing agent in one bath. Suitable for polyester, acrylic, nylon, and polyvinyl alcohol, PVC, synthesis fabric and natural fabric to eliminate static in spinning, weaving, printing and dyeing process. Dosage: 0.3-0.5% for dipping process, 3-6g/L for padding process.
Eliminating static Agent SF-2032	pH: 5-7 19-22%	Non-ionic Liquid	A eliminating static agent which having special organization. Excellent eliminating static. Fabrics can achieve excellent hygroscopicity, electric conductivity, avert pollution and dirt after treated with this agent. Can used with water-avert agent. Won' t course color stripping and color changing. Excellent compatibility. Dosage: 1-3% for dipping process, 5-20g/L for padding process.
Deeping Agent DH-X	pH: 5-7 18%	Cationic Liquid	Polypropionate polymer. Given the dyed fabric a deep and colorful effect(especially for black, blue and navy blue), also given the fabric excellent smooth and soft hand feeling. Dosage: 30-40g/L.
Deeping Agent DH-Y	pH: 5-7 30%	Cationic Liquid	Silicone emulsion. Suitable for various fabrics, especially for polyester black. Environmental. Given the dyed fabric a deep and colorful effect(especially for black, blue and navyblue), also given the fabric excellent smooth and soft hand feeling. Dosage: 20-30g/L.

## Finishing Auxiliary Agents

1. Block Silicone Oil And Emulsion			
Product Name	Content	Ionic	Properties
High Stability Block Amino Silicone Oil SF-685K	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends, polyamide fiber. Excellent Softness, Smoothness and bulkiness. High Stability, Strong alkali resistance, anionic resistance.
Novel Bulky Type Block Amino Silicone Oil SF-686	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends. Excellent elasticity and bulkiness, especially in fluff fabrics.
Three-component Block Silicone Oil for cotton SF-687	97%	Cationic Liquid	High concentrate. For Cotton Smooth, soft and delicate.
Novel Soft and Smooth Block Amino Silicone Oil SF-688	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends Excellent Softness and smoothness.
Novel Block Amino Silicone SF-689	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends. Comprehensive handle, Softness and smoothness are excellent.
High Stability Block Amino Silicone Oil SF-689W	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends. Excellent Softness and smoothness and bulkiness; Outstanding stability.
High Stability Block Amino Silicone Oil SRS	58%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends, polyamide fiber. Excellent softness, smooth degree and bulkiness.
Novel Bulky Type Block Amino Silicone Oil SQS	60%	Cationic Liquid	High concentrate. For polyester. Excellent fluffy and thick feeling.
Block Silicone Oil SF-804	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends. Excellent softness, smooth degree and slippery.
Block Silicone Oil SF-805	60%	Cationic Liquid	High concentrate. For Cotton, Chemical Fibers and its blends. Excellent softness, smooth degree and bulkiness.
High concentrate Fluffing Agent SF-4100	60%	Cationic Liquid	High concentrate. For various fabrics fluffing treatment. Excellent fluffiness.

Product Name	Content	Ionic	Properties
Wool Softening Agent SF-30	30%	Cationic Liquid	For wool and its blends. Soft and fluffy handle.
Wool Smooth Agent SF-40	40%	Cationic Liquid	For wool and its blends. Smooth handle.
Wool Combined hand feeling Agent SF-SR62	30%	Cationic Liquid	For wool and its blends. Combined hand feeling. Soft, Smooth and delicate handle.
This series also include high concentration products after emulsification and dilution of the crude oil.			
2. Hydrophilic Silicone Oil And Emulsion			
Product Name	Content	Ionic	Properties
Hydrophilic Silicone Oil SFC	80%	Cationic Liquid	For Cotton and Acrylic fabrics. Excellent hydrophilicity and softness.
Hydrophilic Silicone Oil SFK	90%	Cationic Liquid	For Cotton and Acrylic fabrics. Excellent hand feeling, outstanding in hydrophilicity.
Hydrophilic Silicone Oil SFA	80%	Cationic Liquid	For Cotton. Excellent hand feeling, outstanding in fluffy. Good alkali stability.
Hydrophilic Silicone Oil SFN	60%	Cationic Liquid	For Chinlon and P/C fabrics. Excellent hydrophilicity and softness.
Hydrophilic Silicone Oil SFD	60%	Cationic Liquid	For Polyester. Excellent hydrophilicity, can combined with other silicone oil emulsion.
Hydrophilic Silicone Oil SFQ	80%	Cationic Liquid	For various fabrics. Excellent hydrophilicity, can combined with other silicone oil emulsion.
This series also include high concentration products after emulsification and dilution of the crude oil.			
<b>Variety of fabric hydrophilic soft finishing solutions:</b>			
1.for cotton/artificial cotton: normal use the emulsion of SFC, SFK, SFA. When the hydrophilic requirement is particularly high, can combined SFC/SFK/SFA emulsion + SFQ emulsion. Can achieve the effect of instant water absorption after 160°C setting.			
2.For Acrylic fabric: SFC, excellent hand feeling, instant water absorption.			
3.For Chinlon and its blends: SFN, excellent hand feeling, instant water absorption.			
4.For polyester and its blends: SFQ, high requirement for hydrophilic and low requirement for hand feeling. SFD, high requirement for hydrophilic and high requirement for hand feeling.			
In short: we can make all fabrics have good hand feeling and hydrophilic effect, even setting at 180°C can achieve instant water absorption effect.			

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3. Amino Silicone Oil And Emulsion			
Product Name	Content	Ionic	Properties
Oily and Slippery Amino Silicone Oil SF-501	100%	0.1	Excellent smoothness, good glossiness, low yellow change.
Tencel-like Amino Silicone Oil SF-502	100%	0.3	Excellent softness and smoothness, good glossiness.
Super Amino Silicone Oil SF-506	100%	0.72	Excellent softness and smoothness, good bulkiness.
Low yellowing Silicone Oil SF-516	90%	0.1	Excellent smoothness, good glossiness, low yellow change.
Low yellowing Silicone Oil SF-508	90%	0.35	Excellent softness and smoothness, low yellow change.
Low yellowing Silicone Oil SF-504	90%	0.35	Excellent softness and smoothness, low yellow change.
Tencel-like Amino Silicone Oil SF-819	40%	-	Excellent smooth, delicate, given cotton fabric has silk feeling.
Ice-cool Amino Silicone Emulsion SF-806	40%	-	Excellent softness and smoothness, can do the cotton fabrics ice feeling treatment.
Bright ad Smoothing agent SF-440	40%	-	Excellent softness and smoothness, glossiness.
4. Softener flakes			
Cationic Pieced Softener SF- C/DPL	White to pale yellow pieces		The textiles have soft, smooth and full handle feeling after finishing. It can be in the same bath with cationic fixative. The stability of formulated working liquid is good.
Non-ionic Pieced Softener SF-521	White to pale yellow pieces		It is suitable for varieties fibers in softening treatment. Imparting smooth, soft, anti-static to fabrics and have excellent hydrophilic. No influence in the fiber' s color bright and whiteness. Can be used together with anion and cationic agent.

5. Moisture Wicking Agent Series							
Product	Dilute Process	With Dyeing Bath Stability	Compound stability	Hand Feeling	Viscosity (mPa.s)	Suitable Fabrics	Washing Stability
SF-1470H	85-95°C, 30mins, 3 hours	Generally, automatic feeding.	Selective	Excellent softness, smooth and bulkiness.	200-400	Polyester and blend fabrics	Excellent
SF-1472R	Any ratio miscibility	Very stable. Remove polyester oligomer	Very stable at high temperature.	Excellent softness, bulkiness.	2000 -10000	Nylon, Polyester, Wool	Good for Nylon and Wool.
SF-1473	65-75°C 30-60mins	Good	Compound adaptability good.	Excellent bulkiness.	100-200	Polyester and blend fabrics	Very good
SF-1475	85-95°C, 30mins, 3 hours	Good	Compound adaptability good.	Excellent softness and bulkiness.	1500-6000	Polyester and blend fabrics	Very good
<p><b>Corresponding products suggestion:</b></p> <ol style="list-style-type: none"> <li>1.Polyester pursuit of hand feeling and wash ability, suggested SF-1470H. Better than similar products in the market.</li> <li>2.Nylon and Wool, hydrophilic and washable finishing, suggested SF-1472R.</li> <li>3.Easy to dilute: SF-1473, can dilute at 20%.</li> <li>4.SF-1475: Ultra-high viscosity, the Viscosity over 1000mPa.s at 10% emulsion. Easy to disperse in water.</li> <li>5.Hand feeling: SF-1470H&gt;SF-1475&gt;SF-1473</li> <li>6.Viscosity: SF-1475&gt;SF-1470H&gt;SF-1473</li> <li>7.Dilution difficulty: SF-1473&gt;SF-1475&gt;SF-1470H, SF-1473 is easiest, it can dilute by immersion in cold water.</li> </ol>							
6. Water and Oil Repellent Agent							
Product Name	Ionic	Components/ content	Properties				
Fluorine-free Water and Oil repellent Agent SF-401	Cationic/ white emulsion	High molecular polymer 30%	can be compatible with crosslinking agent catalysts, softeners and other additives. Suitable for Chemical fiber fabrics.				

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Product Name	Ionic	Components/ content	Properties
Water and Oil repellent Agent SF-483	Cationic/ white emulsion	Fluoropolymer 33%	Can be compatible with crosslinking agent catalysts, softeners and other additives. Suitable for Chemical fiber fabrics.
Water and Oil repellent Agent SF-461	Cationic/ white emulsion	Fluoropolymer 30%	C6 product, can be compatible with crosslinking agent catalysts, softeners and other additives. Suitable for various fabrics.
<b>Enzyme</b>			
Polishing enzyme SF-007A	Powder	Used to removing fluff and handle treatment in cotton and its blends. Also used in demin and cotton fabric to get old and stone effect.	
High Concentration Acid Cellulose Enzyme SF-007H	Liquid	High concentrate, it is better to be used after dilution or as a component of formulation in after-finishing. Bio-Polished fabrics prevent pilling in garments after repeated washes. Garments made from Bio-Polished fabrics look newer, and last longer.	
Deoxygen Enzyme SF-001M	Liquid	Especially used in the pre-treatment of cotton fabrics and yarns. Deoxygen SF-001M can remove the active oxygen in the water quickly, effectively, enhance the color yield of reactive dyes and improve the fastness and coloration. At the same time, it decreases the consumption of water, time and energy as well as waste water.	
<b>Optical Brightener Agent</b>			
Optical Brightener Agent SF-08	Anionic Powder	Color Shade: Bluish shade, Reddish shade, Neutral Shade Suitable for whitening and brightening cotton, cotton yarn, hemp and nylon fabrics; Not only suitable for dyeing exhaust process and also for padding process; Bright color shade; Excellent washing fastness; Stable with peroxide, can brightening in one bath;	
Optical Brightener Agent SF-06E	Non-ionic Liquid	Color Shade: Bluish shade, Reddish shade, Neutral Shade. Suitable for whitening and brightening polyester and its blend fiber and acetate fiber; Not only suitable for dyeing exhaust process and also for padding process; Excellent fastness to light and sublimation;	

## Nanometer Disperse Dyes For Direct Printing Without Washing

DYE	DEEP		Sunlight Fastness	Color Fastness					Printing method	
	0.5%	2.0%		Sublimation Fastness		Washing Fastness			High-tem. Steaming	High Pressure Steaming
				Color change	Polyester Stain	Color change	Polyester Stain	Cotton Stain		
Disperse yellow S-6G 150%			6	4-5	4-5	5	3-4	4-5	◎	◎
Disperse yellow SE-4G 200%			6-7	4-5	4	4-5	3-4	4-5	◎	◎
Disperse Golden Yellow KFY			5-6	4-5	4	4-5	4-5	4-5	◎	◎
Disperse Orange H-4RL 150%			7	5	4-5	5	4-5	4-5	◎	◎
Disperse Orange SE-RH 150%			6	5	4	4-5	4	4-5	◎	◎
Disperse Orange H-3RFL 200%			6	4-5	4-5	4	4	4-5	◎	◎
Disperse Red H-GS 200%			5-6	4-5	4	5	4	4-5	◎	◎
Disperse Red 5BL 100%			6-7	4-5	4	5	3-4	4-5	◎	◎
Disperse Brilliant Red SE-3B			5-6	4-5	3-4	4-5	4-5	4-5	◎	◎
Disperse Red BEL			6-7	5	4-5	5	4-5	4-5	◎	◎
Disperse purple HFRL 100%			6-7	4-5	4	4-5	4-5	4-5	◎	◎
Disperse purple SE-5R 150%			6	4-5	4	5	3-4	5	◎	◎
Disperse Sapphire Blue SE-2R 200%			5	4	4	4-5	3-4	4-5	◎	◎
Disperse Dark Blue HGL 200%			5	4-5	4	4-5	4-5	4-5	◎	◎
Disperse Blue 3GR			6	4-5	4	4-5	4-5	5	◎	◎
Disperse Turquoise Blue S-GL 100%			7	4-5	4	4-5	4-5	5	◎	◎
Disperse Brilliant Blue S-R 180%			5	4-5	4	4-5	4	4-5	◎	◎
Disperse yellow-brown KFB			6	4-5	4	4-5	4-5	4-5	◎	◎
Disperse Grey KFG			5	4-5	4	4-5	4	4-5	◎	◎
Disperse Black HBK01			6	4-5	4-5	4-5	4	4-5	◎	◎
Disperse Black HBK02			6	4-5	4-5	4-5	4	4-5	◎	◎
Disperse Black HBK03			6	4-5	4-5	4-5	4	4-5	◎	◎
Disperse Black ECK01			6	4-5	4	5	4-5	5	◎	◎
Disperse Black ECK02			6	4-5	4	5	4-5	5	◎	◎
Disperse Black ECK03			6	4-5	4	5	4-5	5	◎	◎

Note: Disperse purple SE-5R dosage was 0.2%, 1.0%; Disperse Brilliant Blue S-R dosage was 0.2%, 1.0%; Disperse yellow-brown KFB and Disperse grey KFG dosage was 0.5%, 1%; Disperse Black dosage was 2.0%, 4.0%; Disperse Brilliant Red dosage was 0.1%, 2%; Sublimation fastness test at 180°C, 30s; ◎ means very suitable.