

SYLIC[®] TEXTILE AUXILIARY SOLUTIONS

THE GLOBAL LEADING CHEMICAL SOLUTIONS PROVIDER



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Skychem Group



Honesty Above All



\ 30 Years

\ 70 Countries

\ 6 Brands

\ 1000+ Customers

Skychem Group -- a global leading provider of efficient and comprehensive chemical solutions for industries of textiles, daily chemicals, construction and agriculture.

As a professional chemical supplier and solution provider, **Skychem Group** has six major brands and production bases to provide customers worldwide with a wide range of colorants and specialty chemicals. **Skychem Group** has been in the chemical industry for nearly 30 years, with a sustainable environmental philosophy. Moreover, we expand our business in the fields of biomedicine and new chemical materials, which further solidifies our position as a specialty chemicals brand, and remain committed to realizing our vision of “Chemical solutions for Blue Sky”.

BRAND INTRODUCTION

6 Major Brands and Production Bases Provide Efficient and Comprehensive Chemical Solutions to Global Customers

SkyBio: Focused on research and production in the pharmaceutical product, especially pharmaceutical intermediates.



TIANKUN: Focused on providing dyeing, printing, and industrial coloring solutions, including the production and supply of various dyeing and whitening agents; Products widely used in textile printing and dyeing, paper coloring, digital printing, smoke, plastic and other fields;



Sylic: Develops, manufactures and sells specialty chemical products, including silicone products, textile auxiliaries, bioenzymes, etc., providing professional product solutions for textile, personal care, agriculture and construction.



Skychem Group



Chemical solutions for Blue Sky

Shine: Specialized in pigment chemicals and pigments related additives, products covering organic pigments, inorganic pigments, dissolved pigments, pearlescent pigments, etc., widely used in plastics, coatings, construction, ink and other industries.



Chungyo: specialized in chemical raw materials, producing and supplying basic chemicals, chemical intermediates, dye filter cakes, etc., providing high-quality raw materials and solutions for other sub brands.



Sky New Material: Focused on the research and production of high-performance new waterproof materials and chemicals, utilizing cutting-edge innovative technologies to provide innovative solutions to enhance the performance and durability of waterproof chemicals in applications such as textiles and construction.



Sylic focus on providing innovative textile printing and dyeing solutions, covering pre-treatment, dyeing, printing, softening finishing, waterproofing agents and functional finishing auxiliaries.

Our products are based on excellent performance and environmental protection concepts to help customers achieve efficient and high-quality dyeing and finishing processes. Whether it is to enhance the touch of fabrics or enhance their functionality, Sylic is always committed to providing you with reliable solutions to help your products stand out in the market.

Part. 01

Pre-treatment Solutions

Sylic® Oil Removal Agent
Sylic® Scouring Agent
Sylic® Wetting Agent
Sylic® Sequestering Agent
Sylic® Oxygen Bleaching Stabilizer
Sylic® Enzyme

Part. 02

Dyeing Solutions

Sylic® Dyeing Auxiliaries for Cellulose
Sylic® Dyeing Auxiliaries for PES
Sylic® Dyeing Auxiliaries for Nylon
Wool Silk
Sylic® Dyeing Auxiliaries for Acrylic
Sylic® Dyeing Auxiliaries for Denim
Sylic® Dyeing Anti-foams
Sylic® Other Dyeing Auxiliaries

Part. 03

Printing Solutions

Sylic® Dispersing Thickener
Sylic® Reactive Thickener
Sylic® Paint Thickener
Sylic® Binder



Part. 05

Water & Oil Repellent Solutions

Skyguard® Fluorine-free Waterproofer
Skyguard® C6/C8 Waterproofer
Sylic® Cross-linking Agent



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Part. 04

Softening Finishing Solutions

Sylic® High Concentration
Silicone Softener

Sylic® Silicone Softener
Sylic® Softener Flake

Part. 06

Functional Finishing Solutions

Sylic® Flame Retardant
Sylic® Moisture Perspiration Agent
Sylic® Antistatic Agent
Sylic® Anti-pilling Agent
Sylic® Wet Rubbing Fastness Enhancer
Sylic® Stiffener
Sylic® Anti-UV Finishing Agent
Sylic® Others Functional Agent

No.	Product Name	Basic Character	Application	Instructions
1	Sylic P1104A Degreasing Agent	Nearly colorless or yellowish turbid viscous liquid PH Value:7-7.5 Solid content:44-46% Nonionic	It is used for the pretreatment or dyeing of poly-cotton blended fabric and polyester warp and weft knitting.	1. Polyester embroidery cloth and other oiling process: P1104A: 0.3-1.5g/L 2. Polyester knitted fabric dyeing with bath oil removal process:P1104A: 0.3-1.0g/L
2	Sylic P1105A Degreasing Agent	Yellow or light yellow liquid PH Value:4.0-6.0 Solid content:98-100% Nonionic	It is used for the pretreatment or dyeing of poly-cotton blended fabric and polyester warp and weft knitting.	1. Polyester embroidery cloth and other oiling process: P1105A: 0.3-1.5g/L 2. Polyester knitted fabric dyeing with bath oil removal process:P1105A: 0.3-1.0g/L
3	Sylic P1100 Degreasing Agent (CY-116B)	Colorless to slightly yellow transparent liquid PH Value:5.0-7.0 Solid content:30.0-32.0% Anionic/Nonionic	1.It is suitable for the three-in-one treatment process of desizing, scouring and weight reduction of polyester fabrics; 2.can shorten the process flow, improve efficiency and save costs.	Polyester knitted fabric washing and dyeing in the same bath decontamination process: 0.3-1.0g/L

Sylic® Scouring Agent

1	Sylic P1200 Scouring Agent (CY-111D)	Light yellow transparent liquid PH Value:6.0-7.0 Solid content::24.0-26.0% Anionic/Nonionic	1.Suitable for the pretreatment of cotton and its blended fabrics, especially for the cold rolling process; 2.Excellent alkali stability, refining and penetration in one, so that cotton fabric has a good refining effect.	1. Continuous decooking process: 7-12g/L 2. Cold rolling reactor pretreatment process:7-15g/L 3. Batch process:1.5-2.5g /L
2	Sylic P1201 Scouring Detergent (CY-117H)	Colorless to yellowish oily liquid PH Value:5.0-7.0 Moisture≤ 15.0% Nonionic	1. It can be used for scouring and decontamination of cotton and its blended knitted fabrics in the same bath under alkaline conditions; 2. Make the fabric obtain good wool effect and hydrophilicity.	1. Refining and decontamination process: (cotton knitted and blended fabrics) 0.2-0.8g/L 2. Polyester knitting scouring and dyeing one bath process:0.2-0.5g/L
3	Sylic P1203 Scouring Agent (Alkali Resistant)	Yellowish transparent to turbid liquid PH Value:6.0-8.0 Anionic/Nonionic	1.Suitable for desizing, refining and bleaching of cotton and its blends; 2.Has excellent permeation emulsification performance.	Degreaser Sylic P1203 1-2 g/L

Sylic® Wetting Agent

Pretreatment

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No.	Product Name	Basic Character	Application	Instructions
1	Sylic P1400 Wetting Agent (CY-119C)	Colorless or light yellow transparent liquid PH Value:5.0-7.0 Solid content:42% Anionic/Nonionic	1.Suitable for all kinds of natural fibers, chemical fibers and their blended fabrics, cheese yarn, Hanks, etc. 2.In the pre-treatment, dyeing, finishing and other processeswith excellent fast wetting and penetration performance.	Intermittent: 0.5-2g/L Continuous type: 2-6g/L
2	Sylic P1403A Wetting Agent	Colorless to yellowish viscous liquid PH Value: 6.0-8.0(1% aqueous solution) Solid Content: 50% Anionic	1.Used as an penetrant in the textile pre-treatment process, it has a fast penetration ability in alkali; 2.It has good emulsifying ability, and can be used for compounding alkali-resistant penetrant and alkali-resistant penetrating scouring agent	In each process of textile, printing and dyeing, finishing, the dosage is generally 1.0-5.0g/L

Sylic® Sequestering Agent

1	Sylic P1500A Dispersing Sequestering Agent	White powder Anionic/Nonionic	1.Suitable for pre-treatment of various fabrics, whitening, refining and alkali reduction of polyester fabrics; 2.Washing after dyeing or printing of various fabrics, soaping, anti-staining of white ground and other processes to improve water quality.	1. Water treatment: 0.4-1.5g/L 2. Pretreatment, whitening bath: 0.8-2.5g/L 3. Polyester alkali reduction and clearing after dyeing: 1.5-3.5g/L 4. Washing and soaping after fabric dyeing or printing: 0.5-1.5g/L 5. Fabric dyeing or printing after washing, white ground anti-staining: 1.5-3.5g/L
2	Sylic P1501 Dispersing Sequestering Agent	Colorless to light yellow transparent liquid PH Value:6.0-9.0 Anionic	1. Suitable for most textile wet processing processes, especially recommended for continuous pretreatment. 2. It has excellent dispersibility and chelation ability, and can form complexes with polyvalent metal ions, especially iron ions.	Pretreatment: 0.8-2.5g/L Dyeing: 0.5-2g/L

Sylic® Oxygen Bleaching Stabilizer

Pretreatment

No.	Product Name	Basic Character	Application	Instructions
1	Sylic P1601 Oxygen Bleaching Stabilizer	Light yellow to yellowish brown transparent liquid PH Value:3.0–5.0 (stock solution) Anionic	1.Suitable for intermittent and continuous pre-treatment processing; 2.The decomposition rate of hydrogen peroxide can be controlled effectively and the whiteness of fabric can be improved.	3–5g/L
2	Sylic P1604 Oxygen Bleaching Stabilizer	White powder Anionic	1.It is suitable for high temperature bleaching process and cold rolled pile oxygen bleaching process of cellulose fiber and its blended fabrics; 2.mainly used as a stabilizer in hydrogen peroxide bleaching, and can effectively control the decomposition rate of hydrogen peroxide.	The general dosage is 5–20% of the hydrogen peroxide dosage.

Sylic® Enzyme

1	Sylic B6142A High Temperature Desizing Enzyme	Brown liquid	It can be applied to cold dyeing, pad dyeing, roll dyeing and J-type continuous steam scouring and bleaching machine and other processes. No calcium salt activator is required, and it is well compatible with the wetting agent commonly used in desizing.	The optimal dosage of enzyme depends on the desizing conditions, slurry components and fabric type. Generally speaking, the high-concentration stock solution is diluted 5–20 times before application, and a dosage of 1 gram/liter can achieve satisfactory results.
2	Sylic B6111 Acid Polishing Enzyme	Brown liquid Enzyme activity: 10000 PH Value: 4.5–6.5	1. Only one process is required to complete the two processing steps of hydrogen peroxide removal and biological polishing, and can be bathed with the dyeing process 2. With good biological polishing effect, significantly improve production efficiency and reduce production costs.	Addition amount: 1%–2%
3	Sylic B6120 Acid Polishing Enzyme(CY-140)	Brown liquid PH Value: 4.0–6.0	1.Suitable for polishing treatment of cotton, linen and blended fabrics; 2.Can be used to make denim and cotton and linen textiles with obsolete and stone grinding effects.	CY-140 0.3–1.5% (o.w.f) Bath ratio: 1:10

No.	Product Name	Basic Character	Application	Instructions
4	Sylic B6160 Catalase (CY-142)	Light brown liquid PH Value:5.0-7.0 Catalase Activity (umol / ml.min): ≥30000	1.Suitable for deoxidation after oxygen bleaching in various processing equipment. ; 2.The biological deoxygenation process can be completed within 10-20min.	Catalase dosage: intermittent equipment: 0.05-0.2g / L
5	Sylic B6161 Catalase (CY-142H)	Brown liquid PH Value: 5 ~ 9 Anions	1.It can effectively catalyze residual hydrogen peroxide, do not damage fiber and dye; 2.The amount is very small, save water and energy, and greatly improve the output.	In general, 0.1 g/l of catalase is sufficient to remove all residual hydrogen peroxide after bleaching.
6	Sylic B6190 Low Temperature Biorefining Enzyme (CY-E85)	Dark brown liquid PH Value:5 Slightly fermented odor	1.Mainly used for cotton, polyester cotton and other blended before dyeing refining, so that the fabric to obtain good moisture absorption, surface finish and soft smooth. 2.The dyeing rate and flatness of the dyeing process can be improved.	Liquor ratio 1:8-1:12 Addition 1-2% (cloth weight)

1	Sylic D2100 Leveling Agent (CY-311B)	Colorless to light yellow transparent liquid Solid content (%): 28.0-30.0 PH Value: 5.5-8.0 Nonionic	1. For the dyeing of reactive dyes on cotton fabrics 2. Dyeing retarder for reactive dyes, reducing color difference and improving color uniformity	Reference dosage: 0.5-1.5g/L
2	Sylic D2100B Leveling Agent	Light yellow liquid PH Value: 4.0 ~ 5.5 (1% aqueous solution) Anion	1.Excellent chelation dispersion 2.Excellent solubilization, good continuous stability of the working liquid, does not affect the dye color light, can effectively prevent sensitive color 3.The production of color spots, especially suitable for turquoise, etc.;; 4.In the dyeing process, it can effectively improve the color resistance of hydrolyzed dyes, thus helping to improve the fast dyeing of fabrics	Reference dosage: 1-2g/L

No.	Product Name	Basic Character	Application	Reference Dosage
3	Sylic D2801 Fixing Agent (CY-211H)	Brownish yellow to brownish red viscous liquid Solid content (%): 44-47 PH Value: 2.5-4.5 Cationic, Non-ionic	Reactive dye dyeing and printing fabrics are suitable for improving color fastness, especially for fabric fixing treatments with high fastness requirements.	Reference dosage: Dosage 0.2-1.0% (o.w.f) Temperature 40 ° C -60 ° C Time 20-30min
4	Sylic D2811 Fixing powder (CY-211)	Light yellow to white powder Solid content (%): 99 PH Value: 5.0-7.0 Cationic	Reactive dye dyeing and printing fabrics are suitable for improving color fastness, especially for fabric fixing treatments with high fastness requirements.	Reference dosage: (after dilution): Light-colored fabric 0.5-1.5% Medium-color fabric 1.0-2.0 % Dark fabric 2.0-3.0 %
5	Sylic D2826 Turquoise Blue Fixing Agent	Yellow transparent viscous liquid Solid content (%): 58 PH Value: 3.0-3.5 Cationic	Used for finishing of reactive dyes, direct dyes and sulphur dyes, it can significantly improve the color fastness of fabrics. It is specially developed for turquoise dyes.	Dosage: 2-5% (o.w.f) Bath ratio: 1:5-20 Temperature & time: 50°C×15-20min
6	Sylic D2700 Soaping Agent (CY-411H)	Light yellow transparent liquid Solid content (%) 19.0-21.0 PH Value (1% aq. sol.): 8.0-10.0 Anionic/Nonionic	1. For printing of reactive dyes, vat dyes, direct dyes, nano-flot dye and soaping of dyed fabrics. 2. Excellent cleaning, dispersing, suspending and anti-staining effects, effectively improving dye fastness	Reference dosage: exhaust dyeing 0.5-2g/L; padding dyeing 1-3g/L.
7	Sylic D2703 Soaping Agent	Pale yellow to yellow liquid on the outside Sugar content (%) 28.8-29.8 PH Value:(1% aqueous) 9.0-11.0 Ionic negative/non-ionic	1. Excellent cleaning, leveling, penetration and emulsification properties. 2. Acid, alkali and hard water resistance, good biodegradability. 3. It has a good washing effect on various fibers, and gives it a soft and smooth feel. 4. It can wash and remove floating color for dyeing and printing fabrics. It can be used as degreasing agent and detergent in silk production.	Reference dosage: 1. Washing: 0.5-3g/L 2. Soaping: 0.5-2g/L 3 degreasing: 0.5-2g/L

No.	Product Name	Basic Character	Application	Reference Dosage
8	Sylic B6200 Low Temperature Soap Enzyme (CY-E60)	Light brown liquid PH Value: 3.5–4.5 Anionic	1. Suitable for soaping treatment of pure cotton and cotton blended fabrics after dyeing 2. Water saving: shorten the traditional 5–6 cylinder soaping process to 2–3 processes; Energy saving; educe pollution: completely Biodegradability; improves soaping fastness and rubbing fastness, and reduces the amount of color-fixing agent.	Reference dosage: exhaus dyeing: 1–1.5g/L, 60°C×15min; Pad dyeing: 1–2g/L, 60°C
9	Sylic D2730 Detergent (CY-209)	Pale yellow to yellow liquid Solid content (%): 28.0–30.0 PH Value (1% aq. sol.): 9.0–11.0 Anionic/Nonionic	1. Cleaning and soaping processes for various fabrics 2. Good washing, removal of floating color, degreasing effect	Reference dosage: Dilute 1 into 3–4; Washing: 0.5–3g/L; Soaping: 0.5–2g/L; Degreasing: 0.5–2g/L

Sylic[®] Dyeing Auxiliaries for PES

1	Sylic D2111 Leveling Agent (CY-312KH)	Appearance Yellow viscous liquid Solid content (%) 60–62% PH Value :(1% aqueous solution) 5.0–7.0 Ionic Anion / Nonionic	1. Excellent high temperature dispersion stability to prevent dye condensation during dyeing. 2. Strong transfer ability, ensuring the dye transfer requirements in the whole dyeing process, and improving the leveling effect. 3. Small color reduction and good dye reproducibility. 4. The material is convenient and can realize direct cold water. 5. Low foaming.	Reference dosage: 0.15–1.0g/L
2	Sylic D2150 Dispersing Agent (NNO)	White or light yellow powder pH (1% aqueous solution) 7.0–9.0 Anions	1. Dispersant NNO is mainly used for disperse dyes, vat dyes, and reactive dyes. 2. As a dispersant in acid dyes and leather dyes, it has good grinding effect, solubilization and dispersion effect;	1. For reducing dye dyeing: Suspension pad dyeing method: generally add 3–5 g/l to the pad dyeing bath; generally add 15–20 g/l to the reducing bath; leucine method: generally use 2–3 g/l; 2. For disperse dye dyeing; when dyeing polyester at high temperature and high pressure, add 0.5–1.5 g/l to the dyeing solution.

No.	Product Name	Basic Character	Application	Reference Dosage
3	Sylic D2740 Reducing Cleaning Agent (CY-315)	Light white transparent liquid Solid content (%): 28.0–30.0 PH Value (1% aq. sol.): 9.0–11.0	1. Suitable for acid reduction of polyester and its blended fabrics after dyeing 2. For medium and light colors, there is no need to drain the residual liquid or wash with water. The effect of preventing spandex from staining is better than insurance powder; it does not affect the fluorescence intensity of fluorescent dyes. Good stability and low odor	Reference dosage: 2–6g/L
4	Sylic D2820 Fixing Agent (CY-212C)	Brown yellow viscous liquid Solid content (%): 53.0–55.0 PH Value (1% aq. sol.): 4.0–6.0 Cationic/Nonionic	1. Used for color fixation of disperse dyes 2. Improve the sublimation fastness and washing fastness of disperse dyes without affecting the hand feel.	Reference dosage: exhaust dyeing 1–3% (o.w.f); padding dyeing 10–30g/L

Sylic[®] Dyeing Auxiliaries for Nylon Wool Silk

1	Sylic D2120 Levelling Agent (CY-524B)	Brown liquid Solid content (%) 19.0–21.0 PH Value:(1% aqueous solution) 7.0–9.0 Cation / nonionic	1. It has a high affinity for acid dyes. In the early stage of dyeing, it combines with dye anions to slowly release dye molecules during the dyeing process to achieve the purpose of slow dyeing and level dyeing. 2. It has strong dye transfer ability, strengthen dye transfer at high temperature stage, and can effectively improve defects such as rails and stripes. 3. It can improve the dye penetration ability and obtain good levelness.	Reference dosage: 0.5–2% (o.w.f)
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No.	Product Name	Basic Character	Application	Reference Dosage
2	Sylic D2124 Levelling Agent	Appearance: Light yellow liquid PH Value: 6.0–7.5 (1% aqueous solution) Negative non-ionic	1.The levelling agent, which is both pro-fiber and pro-dye, can significantly reduce the dyeing rate of dyes on wool fibers. 2.It has good performance of simultaneous dyeing, good reproducibility and small batch difference. The color of dyed fabric is uniform, and the color is deep, and the color light is pure and bright; 3.The use of this product does not affect the color light, and the change of usage does not affect the color yield.	Reference dosage: 1–2g/L
3	Sylic D2810 Fixing Agent (CY-530)	Reddish brown transparent viscous liquid Solidcontent(%)21–25% PH Value :2.0–4.0 Anion	1. It can significantly improve the wet fastness 2. It is added during the dyeing of nylon (nylon)/wool 3. The nylon (nylon) and nylon blended printed fabrics prevent white soil contamination during the washing process. 4. High efficiency, low foaming, no effect on light fastness. 5. Good stability, strong acid resistance, no acid adjustment when fixing	Reference dosage: 0.1–2%(o.w.f.)(adjust the dosage according to the color depth) 70–80°C×20–30min
4	Sylic D2814 Fixing Agent	Brown liquid PH Value: about 1.0 ~ 2.0 (10% aqueous solution) Anionic	1.Excellent color fastness to washing and perspiration; 2.The prominent anti-white cloth stain effect can prevent the printed fabric from white stain when fixing color. 3.Can effectively prevent the color change after the fabric solid color;	Medium light color: Acid fixing agent D2814 1–2%(owf) Bath ratio 1:10–20 80°C for 20min, wash, dry. Medium dark color: Acid Fixing agent D2814 2–3%(owf) Bath ratio 1:10–20 80°C for 20min, wash, dry.
5	Sylic D2720 Soaping Agent (CY-529)	Appearance Colorless to pale yellow liquid Solid content (%) 22.0–24.0 PH Value:(1% aqueous solution) 2.0–4.0 Anion / Nonionic	1. It has excellent cleaning, dispersing and suspending effects on unfixed dyes and hydrolyzed dyes, alkali chemicals and electrolytes, and effectively improves the dyeing fastness. 2. Good anti-staining effect to prevent the printed fabric from staining on white. 3. It has excellent chelating ability and decontamination ability for calcium and magnesium ions, can improve water quality, effectively prevent the generation of calcium soap spots in the soaping process, and avoid the return of various stains. 4. Low foaming.	Long-distance continuous process: 1.0–3.0 g/L. Batch process: 0.5–2.0 g/L.

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic D2131 Leveling Agent	Light yellow liquid PH Value: 6.0~7.5 (1% aqueous solution) Anion	1.Excellent permeability, especially suitable for weak acid dye warp dyeing of polyamide fabric; 2.It has a strong ability to transfer dyeing, and has a strong repairing effect on the color flowers caused by acid/weak acid dyes on the fabric. 3.Reduce the depth of dyeing edge, dyed fabric color is pure, bright	Reference dosage: 1.0~2.0 (g/L)
2	SYLIC D2133 Leveling Agent (CY-525)	Colorless to slightly yellow transparent liquid Solid content (%): 44.0~46.0 PH Value (1% aq. sol.): 5.0~7.0 Cationic	1. Suitable for dyeing acrylic and its blended fabrics. 2.Excellent retarding performance to ensure uniform dyeing. 3. Small color difference and high color yield.	Reference dosage: 0.5~2%(o.w.f), The lighter the color, the greater the dosage

Sylic[®] Dyeing Auiliaries for Denim

1	Sylic D2808 Denim Color Fixing Agent	Orange to reddish brown liquid Solid content (%): 50 PH Value :4.0~6.5 Cationic	1.Suitable for reactive, sulfur and indigo dyes, and is used for fixing the dyed cotton, linen, wool, silk and other fabrics. It is especially suitable for washing machine processing garments and O-type cylinder processing cotton knitwear. 2.The treated fabrics have good alkali mercerization fastness, blister fastness and excellent washing fastness. It is an environmentally friendly fixing agent with excellent properties.	Reference dosage: 0.35~0.8% (o.w.f) At 20~40°C (room temperature), treat for 20~30 min.
2	Sylic B6100 Neutral Polishing Enzyme(CY-141L)	Brown liquid PH Value : 5.0~8.0(use range) Anionic	1. Suitable for removal and polishing of cellulose fiber fabrics and their blended fabrics and fermentation and nostalgic finishing of denim garments. 2. The fabric is glossier and the color is brighter; the fluff on the surface of the fabric is removed to make the surface of the fabric smooth and clean	Reference dosage: 0.2~0.3% (o.w.f)

No.	Product Name	Basic Character	Application	Reference Dosage
3	Sylic B6130 Neutral Cellulose Enzyme(CY-EF21)	Light yellow granular PH Value : 4.5–7.0(use range) Anionic	1. Used in the finishing and washing process of cotton fiber denim garments 2. Gives fabrics stone-washed, aged, soft, peach-skin and other effects; the patterns are clear and the color retention effect is good	Reference dosage: 0.05%–0.1% (o.w.f)
4	Sylic B6150 Anti-back Staining Powder (CY-N10)	Light yellow powder PH Value : 5.0–7.0 Nonionic	1. Used to prevent dyeing, anti-sticking and elastic finishing of denim. 2. Improve the stone grinding effect; enhance the three-dimensional effect of the fabric, with clear layers and good anti-staining effect; can be used with EF21 1:1	Reference dosage: 0.1–0.4g/L
5	Sylic B6151 Anti-back Staining Powder (CY-N20)	Light yellow powder PH Value :5.0–7.0 Nonionic	1. Anti-stain treatment during denim washing process 2. Used together with enzymes to enhance the anti-foul-ing effect; long-lasting anti-smudge ability; resistant to acid and alkali electrolytes	Reference dosage: 0.5–2g/L
6	Sylic B6154A Anti-back Staining Cream	Amber viscous liquid Nonionic PH Value :5.0–8.0	1.Excellent cleaning effect; 2.Strong anti back dyeing system. 3.Eco-friendly and no APEO.	Reference dosage: 0.1–0.3g/L

Sylic® Dyeing Anti-foams

1	Sylic FU5764 Anti-Foaming Agent	Milky white liquid Viscosity (25°C), mPa-s: 500~1500 Solid content, %: 20±1 PH Value : 6.0–8.0	High temperature resistant (130°C) Shear resistant Good alkali resistance Excellent safety in use	Reference dosage: 0.1‰–0.3‰
2	Sylic FU5765 Anti-Foaming Agent (CY-527B)	Milky white liquid Solid content (%): 24.0–26.0 PH Value: 6.0–8.0 Nonionic	1. Used to eliminate and suppress foam in textile, printing and dyeing, papermaking, wastewater treatment and other industries 2. Non-silicon defoaming agent, easily dispersed in water, with excellent defoaming durability	Reference dosage: 0.1‰–0.3‰

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic D2501 Anticrease Agent (CY-528B)	Yellow transparent liquid Solid content: 50% PH Value :(1% aqueous solution) 5.0-7.0 Non-ionic	1. Suitable for cellulose fibers, wool, polyester, nylon and other fibers and blended fabrics. 2. It can prevent the generation of wrinkles in the rope-like wet processing process of natural fibers and rayon fibers and their blended fabrics. 3. It has excellent stability and is resistant to hard water, alkali and electrolyte.	Reference dosage:1-2g / L

1	Sylic PR4213 Disperse Printing Thickener	Milky white viscous liquid PH Value: 5.5-7.5 Anion	1. Used for disperse dye printing on polyester, chemical fiber, etc., suitable for flat screen, rotary screen, and digital printing. 2. Rapid thickening, clear printing outline, good hand feel, bright color; low dosage, environmental protection, and cost reduction	2.5-4%
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1	Sylic PR4200 Reactive Thickener (CY-316B)	Milky white viscous liquid Anion	1. Used for reactive printing on cotton and linen. 2. Excellent electrolyte resistance, high paste rate, rapid thickening. The printing outline is clear and the color is bright. Can be used alone or in combination with sodium alginate	1-2%
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No.	Product Name	Basic Character	Application	Reference Dosage
2	Sylic PR4223 Pigment printing thickener	White to khaki viscous liquid PH Value: 5.5–7.5 Anion	1. Used for roller printing and round and flat screen printing 2. Clear printing outline, high color yield, good stability; good electrolyte resistance and water holding performance	1.5–2%
3	Sylic PR4220A Pigment printing thickener (CY–318A)	Light yellow viscous liquid Anions	1. Used for thickening of pigment printing on various fabrics and polyester fiber dispersed water-free printing, as well as thickening of coating emulsions 2. Rapid thickening, clear printed patterns, high color yield	Pigment printing: 2.0–3.0% Coating thickening: 3.0–5.0%

Sylic® Binder

1	Sylic PR4100 Paint Printing Binder (CY–319F)	White liquid with blue light Solid content: 42% PH Value: 7–8 Anion	1. Used in the bonding process of cotton and cotton–polyester blends, and soft adhesive coating for flocking processing 2. Bright colors, high color yield; soft touch; excellent friction and washing fastness; environmentally friendly, suitable for baby wear processing.	5–25%
2	Sylic PR4102A Paint Printing Binder	Milky white viscous liquid Solid content: 34–38% PH Value: 7–8 Anion	1. Suitable for all kinds of pure cotton and rayon fabrics imitation reactive printing of coatings 2. Soft and smooth feel; good dry and wet friction fastness and washing fastness; low dosage	5–25%

Sylic® High Concentration Silicone Oil

Softening Finishing

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic F3101 Amino Silicone Oil (CY-8841)	Transparent viscous liquid Ammonia value: 0.15 Cationic	1. Silicone oil , needs to be emulsified before use. Used for cotton and its blended fabrics, low yellowing 2. Smooth and soft feel; good chemical stability	(30% emulsion): padding dyeing 5–15g/L; exhaust dyeing: 0.5–1%(o.w.f)
2	Sylic F3111 Amino Silicone Oil	Transparent viscous liquid Ammonia value: 0.11 Cationic	1. Silicone oil, needs to be emulsified before use. Used for soft and fluffy finishing of cotton and its blended fabrics. Also used as daily care additives to improve the softness and smoothness. 2. Smooth feel, low yellowing; strong adsorption; can be compounded with block silicone oil, easy to emulsify.	(30% emulsion): padding dyeing 5–15g/L; exhaust dyeing: 0.1–1% (o.w.f)
3	Sylic F3130 Amino Silicone Oil (CY-8842)	Transparent viscous liquid Ammonia value: 0.35 Cationic	1. Silicone oil is crude oil and needs to be emulsified before use. It is used to soften and fluffy cotton and its blended fabrics, with little effect on the whiteness and drape of the fabric. 2. Smooth and soft feel; good chemical stability	(30% emulsion): padding dyeing 5–15g/L; exhaust dyeing:0.5–1% (o.w.f)
4	Sylic F3410 Block Silicone Oil(CY-4867)	Light yellow transparent liquid Solid content: 91–92% Weak cationic/nonionic	1. Block silicone oil, needs to be emulsified before use. Used for cotton and its blended fabrics 2. Soft and smooth feel, good hydrophilicity, low yellowing 3. Good shear stability, PH stability, and compound stability	(25% emulsion) padding dyeing10–50g/L; exhaust dyeing: 1–5% (o.w.f)

Sylic® Silicone Softener

1	Sylic F3230 Hydrophilic Block Silicone Softener (CY-4881)	Transparent or light yellow liquid Solid content: 48–50% Cationic	1. Suitable for softening of various fibers, especially cotton fabrics 2. Good hydrophilicity; fluffy, soft and smooth feel; acid, alkali and high temperature resistance; good shear stability	Padding dyeing: 10–30g/L; Exhaust dyeing: 3–5% (o.w.f)
2	Sylic F3400 Silicone Softener (CY-8808)	Colorless to light yellow transparent liquid Solid content: 62–64% Weak cationic	1. High concentration self-emulsifying silicone oil, suitable for cotton, polyester and their blended fabrics 2. Soft and smooth feel; non-stick roller; good shear stability and compatibility	(Dilution emulsion) padding dyeing: 5–20g/L; Exhaust dyeing: 1–5% (o.w.f)

No.	Product Name	Basic Character	Application	Reference Dosage
3	Sylic F3575 Soft and Smooth Silicone Oil (CY-4822A)	Transparent light yellow liquid Solid content: 64-66% Weak cationic	1. High-concentration self-emulsifying silicone oil, suitable for cotton, polyester and their blended fabrics 2. Soft handfeeling; low yellowing; high stability and compatibility	(Dilute emulsion) padding dyeing: 5 -20g/L; Exhaust dyeing: 1-5% (o.w.f)
4	Sylic F3500 Silicone Softener (CY-463G)	Milky emulsion Solid content: 28-30% PH Value: 5.5-6.5 Weak cationic	1. For cotton fabrics 2. Soft, smooth and delicate feel; low foaming, low yellowing; good stability	Padding dyeing: 10 -30g/L; Exhaust dyeing: 3-5% (o.w.f)
5	Sylic F3540 Silicone Softener(CY-402G-2)	Semi-milky liquid Solid content: 28-30% Weak cationic/Nonionic	1. Used for polyester plush fabrics 2. Soft and fluffy to the touch	Padding dyeing: 10 -30g/L; Exhaust dyeing: 1-3% (o.w.f)
6	Sylic F3591 Silicone Softener (CY-404A)	Transparent liquid Solid content: 49-51% PH Value: 5.0-6.0 Weak cationic/Nonionic	1. Used for soft finishing of terry cloth and cotton fabrics 2. It feels fluffy, smooth and has good hydrophilicity.	(Dilution emulsion) Padding dyeing: 10-40g/L; Exhaust dyeing: 2-6% (o.w.f)
7	Sylic F3720 Silicone Emulsion (CY-4415)	White emulsion Solid content: 57-59% PH value (1% aqueous solution): 5.0-7.0 Non-ionic	1. Suitable for fabric raising agent (raising processing of polyester knitted fabrics and polar fleece) 2. It feels fluffy and has rich, short, dense and even fluffing effect; it is not easy to turn yellow.	Padding dyeing: 3-10g/L; Exhaust dyeing: 0.3-1% (o.w.f)
8	Sylic F3741 Silicone Wax (CY-4417)	Colorless transparent liquid PH Value (1% aq. sol.): 6.0-7.0 Nonionic	1. Suitable for lubrication and finishing of sewing thread and embroidery thread 2. Give the yarn a uniform low friction coefficient and good routing performance; Improve thread lubricity, antistatic properties, friction resistance and smoothness	Normal sewing thread dosage: 2-4% High-speed sewing thread dosage: 4-6%

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic F3603 Cold Water Softener Flake (CY-9004)	Milky white flakes PH Value(5-8% solution): 3.0-4.0 Weak Cationic	1. Suitable for denim washing processing, soft finishing of cotton, linen and its blended fabrics 2. Soft and smooth to the touch; easy to change material	Dilution temperature: 30-40°C; (10% flake emulsion) Padding dyeing: 20 -30g/L; exhaust dyeing: 3-8% (o.w.f)
2	Sylic F3605 Non-ionic Softener Flake (CY-9005B)	Light yellow flake PH Value(5-10% solution): 4.0-5.0 Nonionic	1. Suitable for cotton, linen, rayon and their blends. 2. Soft, smooth and full hand feel; no yellowing; good stability.	Dilution temperature: 70-80°C; Reference dosage: (10% flake emulsion) Padding dyeing: 20 -50g/L; exhaust dyeing: 3-8% (o.w.f)
3	Sylic F3607 Softener Flake (CY-9007)	Light yellow flakes PH Value:4.5-6.5 Weak cationic	1. Suitable for soft finishing of polyester and blended fabrics 2. Soft, smooth and plump feel	Dilution temperature: 75-80°C; (10% flake emulsion) padding dyeing: 20 -50g/L; exhaust dyeing: 3 - 8% (o.w.f)
4	Sylic F3611A Low Yellowing Fluffy Softener Flake	Light yellow flakes PH Value: 3-5 (10% slurry) Cation	Low yellowing, low viscosity, low foam; Good salt and alkali resistance; Good overall feel, especially outstanding fluffiness and softness; Good antistatic effect; Suitable for impregnation and padding finishing processes;	When F3611A is used as a low yellowing softening finishing agent to treat textiles such as garments, cloth, towels, yarns, etc., the generally recommended dosage is as follows: Immersion: 0.3-0.8% (o.w.f), bath ratio 1:10-15, temperature 40-50°C, 15-30min. Padding process: Padding: 2-3g/L, temperature 30-40°C
5	Sylic F3630 Soft Beads (CY-9010)	White to yellow hemispherical solid PH Value:7.0-8.0 Non-ionic	1. Suitable for softening cotton, linen, rayon and their blended fabrics 2. Soft and fluffy feel; less yellowing; good stability	Dilution temperature: 70-80°C; (10% flake emulsion) padding dyeing: 20 -50g/L; exhaust dyeing: 3 - 8% (o.w.f)
6	Sylic F3640 Hydrophilic Ointment (CY-9008)	Yellow viscous paste Weak cationic	1. Used for soft finishing of cotton fabrics and yarns, especially terry cloth 2. Excellent hydrophilicity, low yellowing. ; Fluffy, soft, smooth hand feel; Good stability	Dilution temperature: 40-50°C; Chemical ratio: 1:10-1:15 (10% flake emulsion) padding dyeing: 10-50g/L; exhaust dyeing: 3-10% (o.w.f)

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic FU5314 Fluoride-free Waterproofing Agent	Light yellow emulsion Solid content (%) : 23.5–25.5 PH Value(raw solution): 3.0–5.0 Cationic/non-ionic	1. All fiber fabrics have good waterproof and washable properties. 2. Good resistance to water reuse. 3. No fluorine, no APEO environmental hormone substances, can meet the most stringent environmental requirements.	Ordinary waterproof: dosage 10–40g/L Durability and waterproof: Sylic FU5314+ Crosslinking agent, 30–80g/L+10–25g/L
2	Sylic FU5315 Fluoride-free Waterproofing Agent	Milky lotion Solid content (%) : 29.5–31.5 PH Value (stock solution) : 3.5–5.5 Cation/non-ionic	1. All fiber fabrics have good waterproof and washable properties. 2. Give the fabric a good feel, low color, good processing stability. 3. Fluorine-free, PFCs&APEO free to meet the most stringent environmental requirements.	General waterproof requirements: Sylic FU5315 10–50g/L Washability: Sylic FU5315 30–60g/L+ crosslinking agent 12–24g/L
3	Sylic FU5316 Fluoride-free Waterproofing Agent	White lotion Solid content (%) : 19.0–21.0 PH Value (stock solution): 3.0–5.0 Cation/non-ionic	1. It has good waterproof and washable properties for all fiber fabrics. 2. Give the fabric a good crisp feel, effectively prevent slipping. 3. No fluorine, no APEO environmental hormone substances to meet the most stringent environmental requirements.	Ordinary waterproof: dosage 10–40g/L; Durability and waterproof: Sylic FU5316+ crosslinking agent, 30–80g/L+10–25g/L

Skyguard® c6/c8 Waterproofer

1	Sylic FU5201 Waterproofing Agent (CY-655)	Milky white to off-white emulsion Solid content (%) : 17.0–20.0 PH Value (raw solution): 2.0–5.0	1. It has good water and oil resistance for various types of fabrics, especially for cotton-containing fabrics. 2. The residual material on the cloth has little effect on its waterproof effect. 3. The processed fabric feels soft.	The dosage is 10–50g/L
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No.	Product Name	Basic Character	Application	Reference Dosage
2	Sylic FU5203 Waterproofing Agent (CY-664)	White or Light Yellow Emulsion Externally Solid content (%): 29.0–31.0 PH Value (stock solution): 2.0–5.0 Specific weight (25C), g/cm ³ 1.07–1.13 Weak cationic	1. Excellent water and oil resistance and wash resistance to cellulose fibers and synthetic fibers. 2. The original feel of the fabric is not affected. 3. C6 products do not contain PFOS, PFOA and APEO-type environmental hormone substances.	The dosage is 10–40g/L
3	Sylic FU5204 Waterproofing Agent (CY-656)	Yellow emulsion Solid content (%): 24.0–26.0 PH Value (original solution) : 3.0–5.0 Cationic	1. Low concentration can give the various fiber fabrics excellent water and oil resistance. 2. When used with other textile additives, it has excellent stability.	The dosage is 10–30g/L

Sylic® Cross-linking Agent

1	Sylic FU5220 Cross-linking Agent (CY-128)	White lotion PH Value: 4–7 Weak cation	1. Suitable for fluoride-free, C6, C8 waterproof finishing. 2. Improve the crosslinking of water repellent and enhance the washable effect after processing. 3. No APEO, PFOA, PFOS, DSDMAC, no formaldehyde produced during processing, environmental protection.	Use with water repellent in the same bath, 10–30% of the amount of water repellent (stir well before use)
2	Sylic FU5223 Cross-linking Agent	White lotion Weak cationic	1. Improve the three-proof performance and wash resistance of the three-proof finishing agent; 2. When used in paint printing, it can improve the friction resistance and soap fastness of printing.	Three prevention finishing: 2.5–12.5g/L Printing finish: 0.5–2%

Sylic® Flame Retardant

Functional Fishing Solutions

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No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic FU5100B Flame Retardant	Colorless to slightly yellow liquid Weak cationic	1. Suitable for flame retardant cotton fabrics 2. Has excellent flame retardant effect on fabrics; has little impact on the color and color fastness of fabrics	Padding process 300–400g/L
2	Sylic FU5105A Aramid Flame Retardant	Colorless or light yellow transparent liquid Solid content: 43–47%	1. Suitable for flame retardant finishing of cotton, viscose, acrylic, polyester, wool and blended fabrics 2. The processed fabric handfeeling is very good	Padding process 100–500g/L

Sylic® Moisture Perspiration Agent

1	Sylic FU5400 Moisture Perspiration Agent (CY-481G)	Light yellow to yellow solid PH value: 4.0–6.0 Solid content: 96–100% Non-ionic	1. Make polyester fiber easy to decontaminate 2. Give the polyester fiber a fluffy feel, so that the pile and fluff products have a fuller feel	Padding process 10–50g/L
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Sylic® Antistatic Agent

1	Sylic FU5500 Antistatic Agent (CY-730)	Colorless to yellow liquid Solid content (%): 19.0–21.0 PH Value (1% aq. sol.): 5.5–7.5 Nonionic	1. Suitable for antistatic treatment of various fabrics. 2. Excellent antistatic properties, excellent electrical conductivity and anti-fouling and dust-proof properties; used in the same bath with waterproofing agent, does not affect the waterproof performance; does not affect the color fastness of the fabric, and the color change is minimal.	Padding process: 5–15g/L
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Sylic® Anti-pilling Agent

1	Sylic FU5520 Anti-pilling Agent (CY-483B)	Milky white liquid PH Value (1% aq. sol.): 7.0–9.0 Anionic	1. Suitable for anti-pilling finishing of various fabrics 2. Give the fabric excellent anti-pilling properties, reduce the tendency of the fabric to fluff; improve the wear resistance of the fabric.	Padding process 20–40g/L
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Sylic® Wet Rubbing Fastness Improver

Functional Fishing Solutions

No.	Product Name	Basic Character	Application	Reference Dosage
1	Sylic FU5524 Wet Rubbing Fastness Improver	Yellow transparent viscous liquid (The longer it is left, the darker the color) pH value: 3.5–4.5 (50g/l) Cationic	1. Used for color fixation after dyeing of cellulose fibers; can greatly improve the effect of wet friction fastness, can be improved by 1–2 levels. 2. Can be used in the same bath with silicone oil and soft oil. 3. Not contain formaldehyde and APEO, it is an environmentally friendly product	Padding process 30–50g/L

Sylic® Stiffener

1	Sylic FU5730 Stiffening Agent (CY-193)	Milky white viscous liquid PH Value (1% aq. sol.): 5.5–6.0 Nonionic	1. Suitable for stiff finishing and edge sealing of various types of fabrics. 2. Stiff and elastic, with a strong sense of thickness, long-lasting effect and no softening	Padding method 20–40g/L
2	Sylic FU5735 Stiffening Agent	Milky white viscous liquid PH Value (1% aq. sol.): 4.0–6.0 Nonionic	1. Excellent stiffening effect and good durability 2. With good wash resistance, making the fingerboard soft to the touch 3. After heat treatment, a soft to medium hardness, colorless, highly elastic polymer film is formed. 3. It can be used in one bath with silicone oil and waterproofing agent.	Hand feel adjustment 10–70g/L Thickening and finishing 40–150g/L

Sylic® Anti-UV Finishing Agents

1	Sylic FU5680 Anti-UV Finishing Agent (CY-658)	Light yellow liquid PH Value (1% aqueous solution) 5.5–7.7 Anion / Non	1. Suitable for polyester fabrics to improve sunlight fastness 2. Good absorption and conversion effect on ultraviolet rays in the 280–400nm band; excellent washability, minimal effect on fabric color and color fastness.	Padding: 15–80g/L Impregnation: 1.5–8% (o.w.f.)
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No.	Product Name	Basic Character	Application	Reference Dosage
2	Sylic FU5681 Anti-UV Finishing Agent (CY-659)	Light grey liquid PH value (1% aqueous solution): 4.0-6.0 Cationic/non-ionic	1. Suitable for anti-ultraviolet finishing of cellulose fibers and nylon fibers 2. Reactive products that can react with cellulose fibers and polyamide fibers; good washability; little effect on fabric color and color fastness, no effect on hand feel and hydrophilicity	Padding process: 10-30g/L Dipping: 1.0-3.0% (O.W.F)

Sylic® Others Functional Agents

1	Sylic FU5602 Antibacterial Finishing Agent (CY-720)	Slightly yellow liquid pH Value: 6-8 Solid content: about 80% Cation	1. Used for antibacterial protective finishing of textiles, especially suitable for close-fitting clothing, which is not prone to bacterial resistance. 2. No skin and mucous membrane irritation. No corrosion in surface treatment.	Padding: 5-15g/L Impregnation: 0.5-1% (O.W.F)
2	Sylic FU5610 Antiyellowing Agent (CY-737)	Yellow viscous liquid Anionic	1. Used in various fabrics, especially nylon and its blended fabrics 2. Effectively prevent phenol yellowing of fabrics during packaging, transportation and storage; good stability	Padding: 30-40g/L Dyeing: 3-4% (o.w.f)
3	Sylic FU5537H Decolorizing Agent	Transparent liquid PH Value (1% aq. sol.): 3.0-5.0	1. Mainly used for decolorization of high-chroma wastewater from dye factories, suitable for the treatment of reactive dyes, acid dyes, and disperse dye wastewater. 2. It can also be used for the treatment of textile industry, dyeing factory wastewater, pigment industry, ink industry, and papermaking industry wastewater. 3. It can also be used as a retention agent in the pulp production process.	Exhaust dyeing: 0.01-0.1% (o.w.f)

The company has obtained the following 3 important certifications to ensure that our products meet the highest environmental and safety standards:

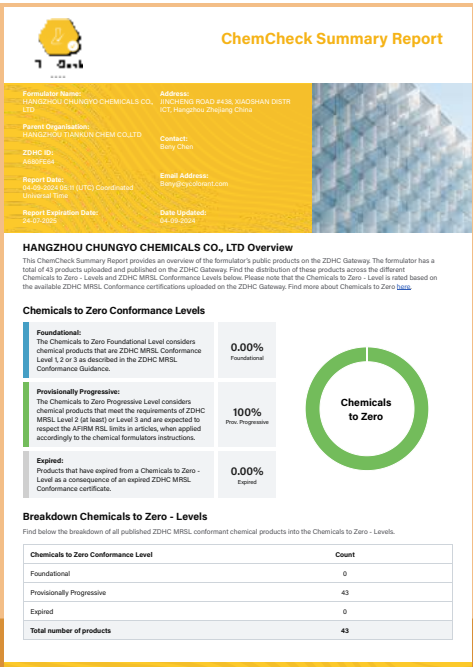
Oeko-tex standard certification ensures that our products do not contain harmful substances and are not harmful to human health. The certification covers the entire production process from raw material to finished product, ensuring that strict environmental and safety requirements are met at every step.

ZDHC (Zero Emission of Hazardous Chemicals) Level 3 certification is one of the highest environmental standards in the textile and footwear industry. Achieving this certification means that we meet the most stringent requirements in terms of chemical management and sustainability, ensuring that the environmental impact of the production process is minimized.

GOTS (Global Organic Textile Standard) certification guarantees that our dyes meet the strict standards of organic textiles in the production process. The certification not only requires the use of organic raw materials, but also includes comprehensive requirements for social responsibility and environmental practices, ensuring that the final product is environmentally and socially friendly.

All subsidiaries of Skychem Group
in accordance with the global ISO standardized management system

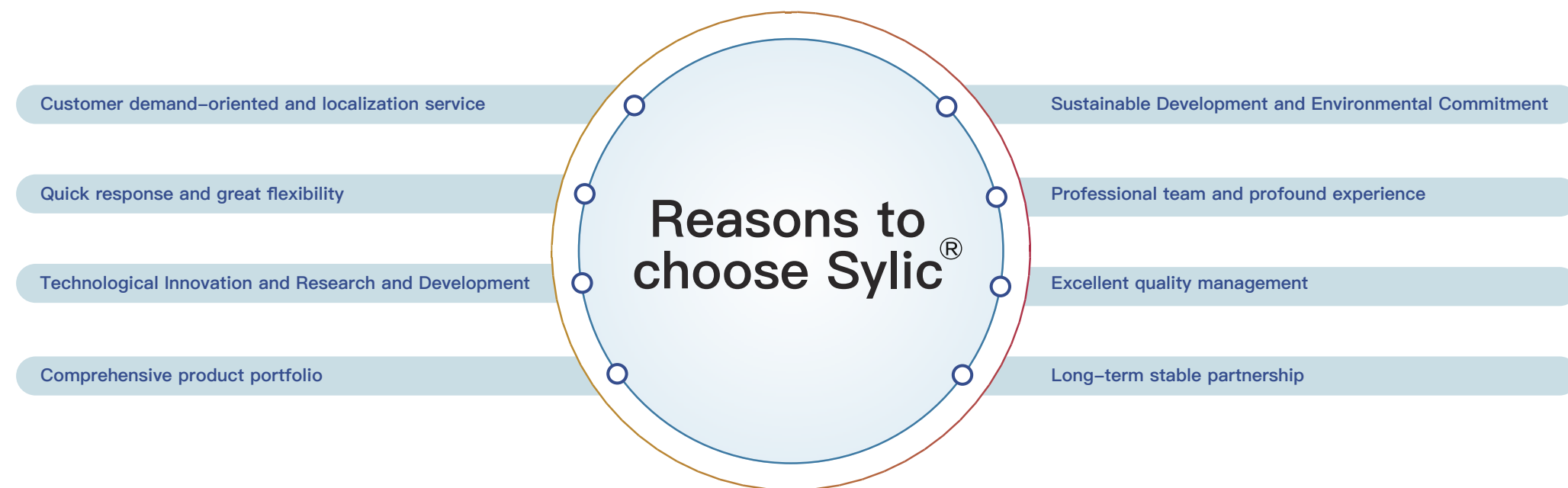
The certificates obtained by Skychem Group include but are not limited to: ZDHC LEVEL3, Oeko tex, Gots, SGS.

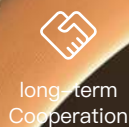


CREATE DIFFERENTIATED PRODUCTS AND SOLUTIONS TO ACTIVELY IMPROVE CONSUMER EXPERIENCE AND ENVIRONMENTAL PROTECTION

As a sustainable industry leader, Sylic is actively committed to reducing environmental impact and improving resource utilization by creating and developing differentiated products and solutions aimed at providing consumers with diverse product and solution combinations.

In the future, we will continue to develop more valuable products based on environmentally friendly, recyclable, and sustainable new materials. We look forward to providing higher quality full industry chain services for the textile industry and better assist the chemical industry in achieving green and healthy development.





long-term
Cooperation



Green and
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