



LEADWAY CHEMICAL

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Company Profile:

We are the professional textile chemical provider, for the past years, we only concentrated in manufacturing the specialised textile auxiliaries and act as one of the most competitive players in the global chemical market.

Throughout these years of exerting efforts by our fellow R&D experts, we have been excel in the special formulates for Wet fastness improving agents, Hydrophilic silicone oils, Fixing agents, etc...

We thanks to our partners and clients for all these supporting years, we served with promises for reasonable prices, guarantee for good qualities and trustworthy after-sales supports, as to earn a good reputation among the co-operations with many domestic large chemical complexes. Hoping that, we will be always a part of our clients, and give what is needed.

Together, we serve one purpose and looking forward for the new difference!



Contents:

- **Active anti-stain soaping agents LW-A100**

- **Chelating dispersant LW-A101**

- **Scouring and penetrating agent LW-A110**

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- **Acid dye-fixing agent LW-BNR**

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- **Ultra stable three copolymerized ice sensitive silicone oil LW-C322**

- **Hydrophilic silicone oil LW-C330 for cotton**

- **The new block polyether silicone oil LW-C355G**

- **Wet rubbing fastness improve agent LW-E961**



Our products:

Active anti-stain soaping agents LW-A100

[Main ingredients]

Surfactant and polymer composite

[Product properties]

Appearance: yellow transparent viscous liquid

Ionic nature: anionic

pH value: 7.0-8.0 (1% water solution)

Solubility: soluble in water

[Product features]

1. with excellent low foam properties;
2. of the unfixed dyes, residual alkali and electrolyte had excellent cleaning and dispersing effect;
3. In the process of dyeing and printing of cotton and its blended fabric, yarn, thread and T/R cloth, the floating color can be removed very well, and the color fastness of the fabric can be improved.
4. of the activity direct and disperse dyes with anti fouling effect.

Scope of application

Applied in the reactive, disperse dyes, such as printing and dyeing fabric stain resistant treatment; applicable to activity, sulfur, VAT, direct and scattered dye printing or dyeing weaving the soaping.

[Usage]

Process of printing、dyeing of cotton and its blended fabric.

1. Cooking practice: 2~4g/l
2. Bleach: 1~3g/l
3. General soap: 1~2 g/l

[Packaging and storage]

125 kg/drum, sealed save at room temperature, quality guarantee period 6 months.



Chelating dispersant LW-A101

[Main ingredients]

Polymer oligomers

[Product character]

Appearance: light to light yellow transparent solution

Ionic nature: anionic

pH value: 3~6

Stability: alkali to 350g/l NaOH, acid resistance, electrolyte

[Product features]

Chelating dispersant has strong chelating ability, excellent stability and dispersion of calcium, magnesium and iron ions, and can be used in the whole process of printing and dyeing process. In the pre treatment, the effective prevention of the hole is effectively prevented, and the scouring effect and the whiteness of the scouring and scouring are obviously improved, and the device is used for cleaning the floating color after dyeing.

[Usage]

Process of printings、dyeing of cottons and its blended fabric.

1. Cooking practice: g/l 2~4

2. Bleach: g/l 1~3

3. General soap: g/l 1~2

[Packaging and storage]

125 kg/drum, sealed save in a cool and dry place, quality guarantee period 12 months.



Scouring and penetrating agent LW-A110

[Main ingredients]

A variety of surface active agent synergistic mixture (excluding APEO)

[Technical indicators]

Appearance: light to light yellow transparent solution

Ionic nature: anionic / nonionic

[Performance and characteristics]

In all temperature ranges with ultra and different wetting and emulsifying effects; excellent suspension dispersibility; give weaving high water absorbing and best whiteness; and amylase desizing fluid good compatibility; can be used for pretreatment process; for except for cationic dye other dye staining.

[Applicable scope]

Material: cellulose fiber and synthetic fiber blended yarn, woven and knitted fabrics

Processing procedures: desizing, scouring and bleaching

[Usage]

1 .rope shaped Ding box equipment:

Formula:

Scouring penetrants: 2~4g/l; 1~2g/l; NaOH: 15~30g/l;

Chelating agent Dipping temperature: 60~80 °C; rolling residual rate: 100%; steam conditions: 100 °C processing 7~20 minutes

2 .Cheese dyeing machine

Formula: scouring and penetrating agent: 0.5~1g/l; oxygen bleaching stabilizer: 1~2g/l ;

Chelating agent: 0.5~1g/l; NaOH:1~2g/l; 27.5% hydrogen peroxide: 3~6g/l;

Bath ratio: 1:10; Bleaching time: 98 °C to 45 minutes.

3 .Roll dyeing machine

Formula:

Scouring and penetrating agent: 2g/l; oxygen bleaching stabilizer: 3~5g/l;

Chelating agent: 0.5 g/l; NaOH:1~1.5g/l; 27.5%hydrogen peroxide: 4~10g/l

[Packaging and storage]

125 kg/drum, sealed save in a cool and dry place, quality guarantee period 12 months.



High fastness formaldehyde-free fixing agent LW-B215

[Product introduction]

This product belongs to no aldehyde of smooth, used for active, direct, sulfur dye, dyeing material post-processing, can significantly improve the fastness of the fabric.

[Main ingredients]

Polycation compound

Appearance: Yellow to deep yellow sticky liquid

Ionic nature: cation

pH Value: 3~5

Solubility: soluble in water

Stability: can bare to acid, alkali, electrolyte and hard water

[Product features]

1. Fix working fluid fade rarely, can avoid strip shallow, color change effectively;
2. The fabric after the product process, color change minimum, do not affect its original style;
3. The processed fabric, rubbing fastness, soaping fastness, perspiration fastness, etc have improve obviously;
4. Outstanding alkali resistance performance, can be used in cotton fixed mercerizing process.
5. Does not contain the formaldehyde, accord with environmental protection performance;
6. Resistance to chlorine bleaching;

[Usage]

Before fixing process, please send the dyed fabric full rinse (when needs should soaping), remove residual dye, salt and alkali, to ensure that subsequent fixing effect.

Recommend general dosage and process:

1. dipping method:

Fixing agent: 1 ~ 6% O.W.F

Bath ratio: 1: 15~ 20

Temperature and time: 30 °C by 15 ~ 20 min

Dyeing cloth, dip in 30~ 50°C of fixing agent LW-B211 working liquid operation 15 ~ 30 min, washing and drying

2. Pad method

Fixing agent: 20~ 60 g/l

Dyeing cloth at room temperature, two dip two pads of fixing agent LW-B211 working liquid and drying.

[Packaging and storage]

125 kg/drum, sealed save in a cool and dry place, quality guarantee period 12 months.



Acid dye-fixing agent LW-BNR

[Main ingredients]

Aromatic sulfonate condensation polymer

[Product characters]

Appearance: red brown liquid

Ionic nature: anion

pH Value: 3.5~4.5

Solubility: soluble in water

Stability: Be able to bear of Acid, alkali, electrolyte and solid water

[Product features]

1. LW-BNR with Germany's best two chemical companies produce acidic fixing agent looks very similar, almost the same technical indicators.
2. Acid of smooth LW-BNR is wool, nylon, silk, leather goods, etc. Used in anionic dyes, acid dyes, metal complex dyes) The fiber dyeing special of smooth, the processed dyeing content, the washing fastness, fastness to perspiration, sunlight fastness, resistance to chlorine fastness and cry color fastness and gets great increase;
3. This product in nylon coated fabric of solid color effect is very good, significantly better than other types of acid of smooth.
4. The fabric color, feel little impact; can be dyed, solid color with bath, shorten the process. This product is another characteristic is has the very good acid resistance, is conducive to dilution operation.

[Usage]

Used in acid dye or metal chelating dyeing of solid color processing

Acid dye-fixing agent

Light color series: 1 ~ 2% o.w.f.

The color is: 2~ 3 % o.w.f.

Brunet department: 3~ 4 % o.w.f.

Bath ratio: 1 ~ 15

Temperature and time: 80 °C × and min

[Packaging and storage]

125 kg/drum, sealed save in a cool and dry place, quality guarantee period 6 months.



Mergerized wool smooth soft finishing agent LW-C320

[Product introductions]

Mergerized wool smooth soft finishing agent LW-C320 is the synthetic technology of a new ternary copolymer of silicone and mutual matching technology for the preparation of silicone breast fluid, this product is mainly used in the finishing of wool, cashmere and wool blended fabric, it can make the fabric has good fluffy smoothness and excellent drape.

[Main ingredients]

Organic silicone emulsion

[Product characters]

Appearance: milky white emulsion

Ionic nature: weak cation

PH value: 5~7

Solubility: soluble in cold water.

[Product features]

1. This product is soft and smooth of excellence, mainly for cashmere, wool and mergerized wool fabrics;
2. After the treatment of the fabric of the overall comprehensive feel very good, bright color;
3. The product has strong solubility, good adhesion and good resistance to washing;
4. After the product treated fabric yellowing degree is minimal.

[Usage]

Impregnated 1~4% (o.w.f) (40 C /30min)

Drying process 10~40g/L after finishing the drying process (according to the standard concentration meter)

Note:

1. The use of this product should not be used (such as greater than 100ppmCaCO₃ content), over alkali (such as pH values greater than 7.5) and mixed with impurities of water, avoid high temperature storage and use;
2. To avoid the fabric on the residual alkali or inorganic salts and impurities such as detergent pollution.

[Pckaging and storage]

125 kg/drum, sealed save at room temperature quality guarantee period 6 months.



Ultra stable three copolymerized ice sensitive silicone oil LW-C322

[Main ingredients]

Novel three component copolymer silicone oil emulsion

[Product properties]

Appearance: milky white translucent emulsion

PH value: 7~9 (1% water solution)

Ionic nature: non/positive

Solubility: soluble in water

[Product features]

1. The product structure is special, not ordinary amino silicone oil;
2. After the fabric using this product, feel soft and smooth, elastic and excellent style, gives the fabric Tencel like feel cold;
3. The alkali resistant materials to the excellent performance, this product is added into the working fluid added to 60 °C 5g / L NaOH solution or 5g / L Na co heating is stable, no floating oil;
4. This product can be used alone, and can be used in combination with other soft agents.

[Usage]

It is suitable for cotton, cotton Lycra fabric, T/C fabric soft elastic slip finishing, in other fiber fabric has better hand feeling.

1. Dip rolling process:

Dosage 60~80g/L, dipping, drying, shaping.

2. Impregnation process (not recommended):

Dosage 0.5~2% (o.w.f), temperature 20~40, time 20~30 minutes, dehydration, 100.

For specific process, with the user through the sample, should be appropriate.

[Packaging and storage]

125 kg/drum, sealed save at room temperature, quality guarantee period half a year.



Hydrophilic silicone oil LW-C330 for cotton

[Introductions]

The new three copolymerization of hydrophilic silicone oil LW-C330 is the use of new quaternary ammonium salt synthesis three copolymerization structure modified hydrophilic high softening agent. LW-C330 has excellent stability in alkaline and high temperature conditions, particularly suitable for use in cylinder. LW-C330 gives the fabric more soft and silky and the feeling of fullness, and has good hydrophilic properties of cotton fabrics treated with hydrophilic 2~3 seconds.

[Technical indicators]

Appearance: light to light yellow transparent solution

Solubility: soluble in water

Ionic nature: nonionic

pH value: 5~8 (1% water solution 20 °C)

[Product features]

1. The product structure is special, easily soluble in water, but also for non ionic, good compatibility, excellent compatibility with general textile auxiliaries, and the Yin and Yang, non ion textile auxiliaries use bath products;
2. Alkali resistant performance is excellent, this product is added into the working fluid added to 80 °C 5g / L NaOH solution or 5g / L Na₂CO₃ heating remained stable, the floating oil, strong electrolyte resistance, high shear, safety and stability, no oil stain;
3. Soft, smooth, non greasy, similar to the natural; good hydrophilicity, and truly solve the contradiction between the touch, hydrophilic and washing resistance;
4. It is suitable for all kinds of process equipment, high flexibility.
5. This product is the best kind especially on cotton, but also is suitable for various fibers and fabrics; using this fabric has good hydrophilicity, which can directly repair color, and can avoid color repair two times pollution problems.

[Usage]

Padding process: the amount of 20~50g/L, 100 °C of pre drying, shaping 150~180 °C, 50 seconds.

Impregnation process: the amount of 2~5% (o.w.f), temperature 30~50, time 20~30 minutes, dehydration, drying 100°C.

The user through the process please adjust the sample as appropriate. (according to the standard concentration meter)



Dilution method:

This product is highly concentrated, the use should be diluted first, then it can be applied to general postprocessing on textiles, this product can be diluted with cold water, according to the recommended dilution ratio of silicone oil: water about =1:4, to join the weighing of the silicone oil, and then put a small amount of water, and then open the mixer, stirring edges will be half the water slowly into the pot of materials, the blender running 10 minutes, then add the remaining measurement of water content needed to, and stirred for about 10 minutes, can be obtained with a blue transparent to translucent emulsion, stop stirring, filter material.

[Packaging and storage]

125 kg/drum, sealed save in a cool and dry place, quality guarantee period 12 months.



The new block polyether silicone oil LW-C355G

[Product introductions]

The new block polyether silicone oil LW-C355G have new modified organic silicon chemistry structure, coupled with double modified functional groups, can give fabric smoothness plump and wash silk feel. LW-C355G can be applied to different types of fiber and fabric softening, especially suitable for synthetic fiber (such as full polyester fabrics, nylon fabric, acrylic fabric, artificial wool, polar fleece, coral fleece, etc.), it is larger than the general amino modified silicone softener, compared with fabric can good smooth sex and almost no yellowing performance. After text its comprehensive application performance, the performance has exceed the similar products.

[Technical indicators]

Appearance: light yellow to transparent solution

Solubility: soluble in water

Ionic nature: weak cation

pH value (1% aqueous solution 20°C) : 5 ~ 8

[Product features]

1. Provide superior softness, smooth and wash resistant feel.
2. Has the emulsifying property, in order to ensure the stability of the diluent, completely solved the stick cylinder sticking to the safety problems.
3. Low yellowing characteristics, especially applicable to add white/light color fabric.

[Usage]

Padding process

Dosage 10 -30 g/L, 100 °C preliminary drying, finalize the design 150-180 °C, fifty seconds.

Impregnation process:

Dosage 1-3% (o.w.f), temperature 30-50°C, time 20-30 minutes, dehydration, drying 100°C.

The specific process pleases users through the sample discretionary adjustment. (According to the standard concentration meter)

Dilution method: This product is a high concentration products, when using, should first dilution, then it can be applied to general postprocessing on textiles, this product can be diluted with cold water, it is suggested that dilution ratio by silicone oil: water =1:9, Using cold water dilution, Add the weighed silicone oil, put a small amount of water, and then open agitator, stirring the movie and half of the water slowly pour into chemical material kettle, agitator running ten minutes, then add the remaining measurement of water to the desired content, stirring ten minutes or so, And then get the blue transparent to translucent emulsion , stop stirring, filtration discharge.

Note: This product at the time of dilution, don't add all the water at once, it needs to have a self emulsifying process, so as to get qualified products. Please strictly follow the method of dilution.



[Packaging and storage]

125 kg/drum, sealed save at room temperature quality guarantee period 6 months.



Wet rubbing fastness improve agent LW-E961

[Product introductions]

The wet rubbing fastness improve agent LW-E961 works perfectly on indigo dyes and reactive dyes dyeing of denim fabric, and the wet fastness improved significantly. It does not affect the hand feeling of the fabric after treatment, and the product performance is stable, which overcomes the wet rubbing fastness improve agent easy bleaching oil shortcomings. LW-E961 is suitable for a variety of processing technology.

[Main ingredients]

Special water-based polyurethane

Product character

Appearance: yellowish-brown liquid

Ionic nature: weak cation

pH Value: 5.5±1.0

Solubility: easily dispersed in any proportion of cold water

Product features

1. Won't destroy the dyed fabric fastness.
2. used for cellulose fibre reactive dyeing fixation processing; improve the wet rubbing fastness of the fabric 1-2 level;
3. Do not affect the sunlight
4. Resistance to washing.
5. does not changed the treated fabric handle.
6. Does not contain the formaldehyde and APEO, environmentally friendly products.
7. direct diluted use; good stability, to overcome the floating oil shortcoming.

[Usage]

According to the dye type, concentration, processed fabric types, form different, usage is as follows:

1. Impregnation method

dosage: improver LW-E961: 4~8% (o.w.f.)

Bath ratio: 1%, 3%, 5%

Process: after dyeing cloth (pH ≤7) - dip (at room temperature, washing time: 15 ~ 20 min) - drying (100 ~ 120 °C)

2. Pad method

dosage: LW-E961: 10g/L, 30g/L, 50g/L;

Process: after dyeing cloth (pH ≤ 7) - two dip two rolling (temperature: 15 ~ 20°C, rolling over rate: 70 ~ 80%) - drying (100 ~ 120 °C)

Note: good preparation of working liquid in 25 °C nearby translucent latex, please immediately made good use of.

Before using should test first, the above process is only for reference.

[Packaging and storage]

125 kg/brum; sealed save in a cool and dry place, quality guarantee period 6 months.