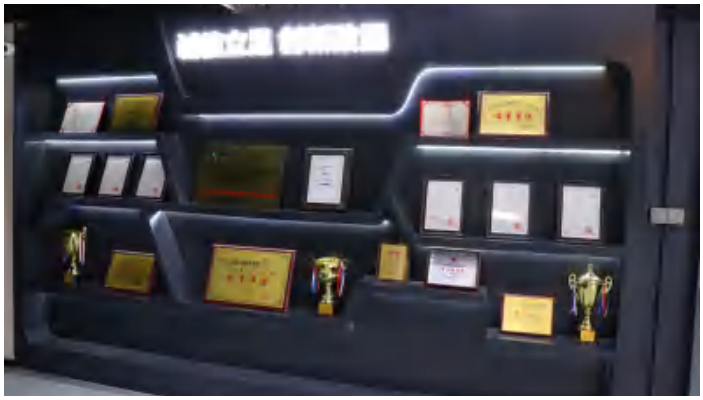
HONGSHENG BIO

COMPANY INTRODUCTION









ZHONGSHAN HONGSHENG BIOTECHNOLOGY CO.,LTD.

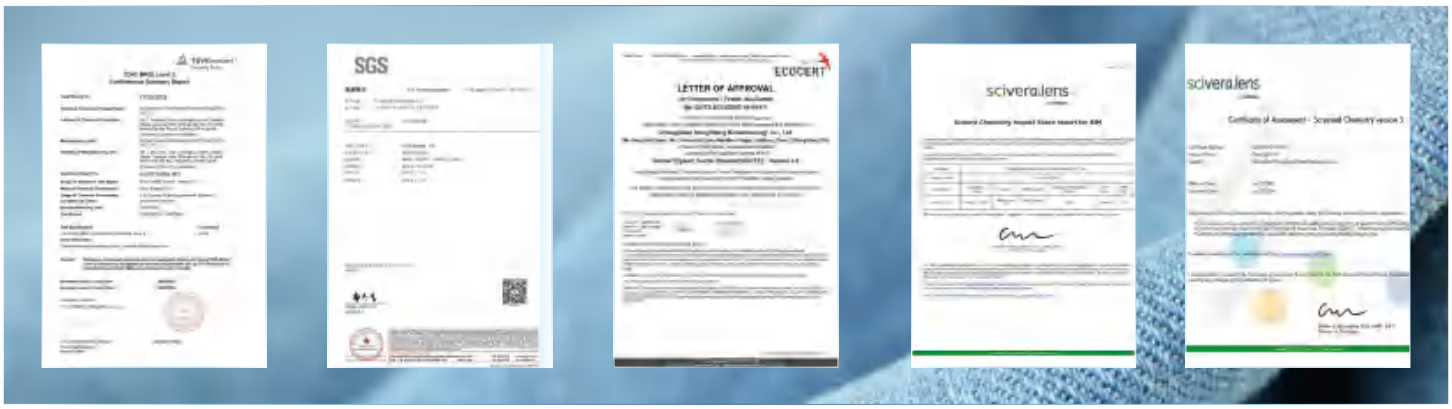
Zhongshan Hongsheng Biotechnology Co., Ltd was established in 2003, based in Zhongshan city, Guangdong, China.

Zhongshan Hongsheng Biotechnology Co., Ltd, branded as DNEO, is one of the top 1 textile auxiliaries manufacturer in Southern China. We are devoted to Eco-friendly and sustainable auxiliaries for home textiles dyeing and printing, yarn and fabric dyeing and finishing, denim washing and finishing fields. Our products have got GOTS, ZDHC, EIM, OEKO passport, and Intertek certifications.

We will have two to three new patents every year and were rated as high-tech enterprise by Zhongshan government from 2020 to 2024 successively. As a pioneer in textile auxiliaries, we strictly follow ISO 9001:2023 quality management system. High quality, stable performance and complete product range are our key to earn customers' approval.

Spirited by "Strive to improve people's daily lives with good products", we are confident to embrace challenges of new era.

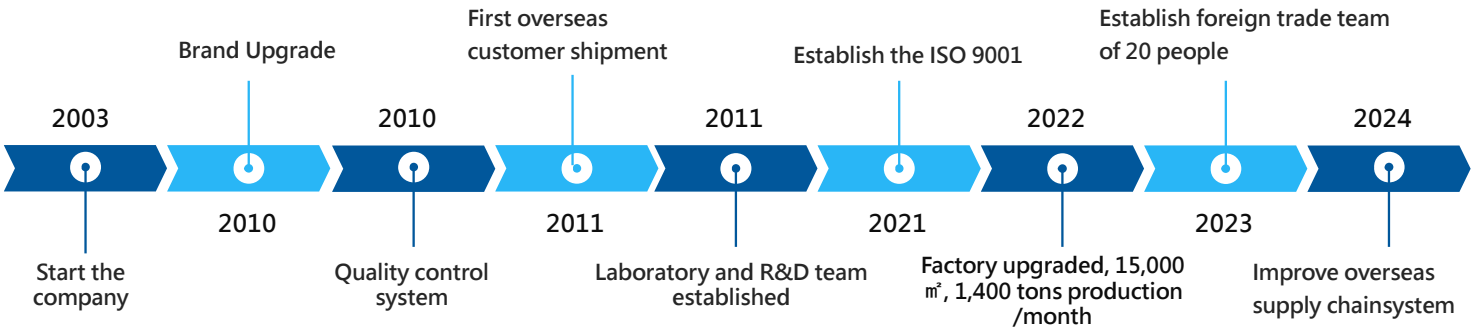
COMPANY CERTIFICATES



From the introduction of high-quality raw materials to the strict control of research and development and production processes, Hongsheng Biotechnology has successively passed environmental certification by multiple certification agencies, such as ZDHC, GOTS, Scivera, Intertek.

Hongsheng Biotechnology will continue to strengthen its technical research and development capabilities and quality control of products to ensure that products meet environmental requirements.

COMPANY HISTORY



Top 1 denim washing & finishing auxiliaries factory in Southern China

Denim washing and finishing auxiliaries
Dyeing and printing auxiliaries

Overseas partners throughout Bangladesh, Pakistan, India, Turkey, Cambodia, Vietnam, Ethiopia, etc.

HONGSHENG BIO

DIRECTORY

Anti Back Stain Series 1



Cellulase Series 2



Hand-feeling Finishing Agent 3



Silicone Oil 4



Functional Auxiliary

5



Nylon Dyeing Auxiliary

6



Cotton Dyeing Auxiliary

7



Polyster Dyeing Auxiliary

8



Water Repellent Agent

9



Anti Back Stain Paste

Dneo-5045A

Product Information

Introduction

Anti-backstain paste for denim washing

Advantage

1.Best anti-backstaining, ßoating color removal properties,
2.APEO-free and environmentally friendly

Basic Character

Appearance: Yellow paste
PH value： 5±1.0
Ionicity: nonionic

Application

Pre-treatment desizing, enzyme stone washing, bleaching, boiling and refining processes directly added to the washing machine with the bath use

Recommended Dosage

0.125-0.375g/L

Package

50/125kg plastic barreldistracted and disturbed.

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-DFC

Product Information

Introduction

Anti-backstain paste for denim washing

Advantage

1.Excellent anti-backstaining, floating color removal properties,
2.low risk of loassing elasticity
3.APEO-free and environmentally friendly

Basic Character

Appearance: Yellow paste
PH value： 5±1.0
Ionicity: nonionic

Application

Pre-treatment desizing, enzyme stone washing, bleaching, boiling and refining processes directly added to the washing machine with the bath use

Recommended Dosage

0.1-0.3g/L

Package

50/125kg plastic barreldistracted and disturbed.

Storage

store in cool and ventilated warehouse 6 months of storage period





Anti Back Stain Powder

Dneo-345

Product Information

Introduction

Anti-backstain powder for High elasticity denim washing

Advantage

1.Prevents loss of elasticity for lycra denim
2.Containing a special macromolecular structure, it has a strong and continuous anti-dyeing and anti-staining effect
3.APEO-free and environmentally friendly, biodegradable.

Basic Character

Appearance: Light yellow powder
PH value： 6±1.0(1% liquid solutuion)

Application

Pre-treatment desizing, enzyme stone washing, bleaching, boiling and refining processes directly added to the washing machine with the bath usemachine with the bath use

Recommended Dosage

0.3-1.0g/L

Package

25kg/bag

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-A325

Product Information

Introduction

Anti-backstain powder for denim washing

Advantage

1.Containing a special macromolecular structure, it has a strong and continuous anti-dyeing and anti-staining effect
2.could improve the color fading performance and clarity in stone enzyme washing process,
3.APEO-free and environmentally friendly, biodegradable.

Basic Character

Appearance: Light yellow powder
PH value： 5.5±1.0(1% liquid solutuion)

Application

Pre-treatment desizing, enzyme stone washing, bleaching, boiling and refining processes directly added to the washing machine with the bath use

Recommended Dosage

Dilution:1:5-1:8(40-60℃)
Add directly :0.1-0.4g/L

Package

25kg/bag

Storage

store in cool and ventilated warehouse 12 months of storage period



Desizing Enzyme Powder

Dneo-001

Product Information

Introduction

Desizing enzyme for fabrics and garments

Application

washing and dyeing desizing process.

Advantage

1.Quickly remove the starch slurry, and improve the speed of color fading in the stone enzyme washing process
2. Good heat-resistant stability and is suitable for desizing process under medium and high temperature conditions.

Recommended Dosage

0.2g-0.3g/L

Package

25kg/bag or 50kg barrel

Basic Character

Appearance: White to yellow powder
PH value： 5.5±1.0(1% liquid solutuion)
Solubility: Soluble in water

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-2000

Product Information

Introduction

Desizing enzyme for fabrics and garments

Application

For desizing of cellulose fiber fabrics or garments

Advantage

1.Excellent performance in removing starch slurries without damaging Þbers,
2.Good heat stability and is suitable for desizing processes at medium to high temperatures,
3.Can often be used with lubricants and amylases to minimize crease and grain formation.

Recommended Dosage

1kg-3kg(1-3%o.w.f.)
Suggested time: 20min comparing samples

Package

25kg/bag or 50kg barrel

Basic Character

Appearance: Brown liquid
PH value： 6.0±1.0

Storage

store in cool and ventilated warehouse 6 months of storage period





Stone Free Enzyme Powder

Dneo-065

Product Information

Introduction

Imitation stone grinding enzyme for denim washing

Advantage

1.Save stone, water and labor costs;
Clear base color, good fading effect, highly retains the original base color.
2.The base color is clear, color fades quickly, and highly retains the original base color.
3.Using with Dneo-001 for better enzyme washing effect.

Basic Character

Appearance: Light yellow powder
PH value： 6.0±1.0(1% liquid solutuion)

Application

Anhydrous enzym washing process for pure cotton and high cotton polyester/ cotton blends.

Recommended Dosage

1kg-3kg(1-3%o.w.f.)
Suggested time: 20min comparing samples

Package

25kg/bag or 50kg barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-1365

Product Information

Introduction

neutral cellulase for bio-polishing processing of cotton and blended fabrics.

Advantage

1.Good bio-polishing effect, good surface clarity and gloss;
2.Good effect of keeping the base color, and low damage to the tearing force of fabrics;
3.It could be used at room temperature and can be heated up to 45-50 ° C for better effect.

Basic Character

Appearance: Brown liquid
PH value： 4.5±1.0

Application

Used in the stone enzyme washing process of denim or the bio-polishing process of dyeing.

Recommended Process

Optimal conditions: pH to 5.5-7.0, room temperature or raise temperature to 40-50℃ ;
Time: 5-10 min
Recommended dosage: 0.2-0.4g/L.

Package

30/50Kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Acid Cellulase Liquid

Dneo-1523

Product Information

Introduction

Acid cellulase for bio-polishing processing of cotton and blended fabrics.

Advantage

1.Good bio-polishing effect, good surface clarity and gloss;
2.Good effect of keeping the base color, and low damage to the tearing force of fabrics;
3.It could be used at room temperature and can be heated up to 45-50 ° C for better effect.

Basic Character

Appearance: Brown liquid
PH value： 4.5±1.0

Application

Used in the stone enzyme washing process of denim or the bio-polishing process of dyeing.

Recommended Process

Optimal conditions: pH to 4.5-5.0, raise temperature to 40-50℃ ;
Time: 5-10 min
Recommended dosage: 0.2%-0.5% (o.w.f)

Package

30kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Dneo-460

Product Information

Introduction

Enzyme stone washing and for denim garments.

Advantage

1.Excellent base color keeping performance, clear cloth surface, good gloss, high contrast,
2.Fast color fading, quickly creating a stone-like stone enzyme wash performance.

Basic Character

Appearance: Yellow powder
PH value : 6.0±1.0(1% liquid solutuion)

Application

Used in the stone enzyme washing process of denim washing.

Recommended Process

Optimal conditions: pH to 5.5-7.0, room temperature ;
Time: 40-60 min
Recommended dosage: 0.3-1.0 g/L.

Package

50kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Granular Enzyme

Dneo-085

Product Information

Introduction

Used for denim enzyme stone washing and grinding.

Advantage

1.Very fast color fading speed, can quickly produce imitation stone grinding wash,
2.High contrast,low fabric damage;
3.Excellent performance in cold or warm water bath.

Basic Character

Appearance: Light yellow granule.
PH value： 6.0±1.0(1% liquid solutuion)

Application

Used in the stone enzyme washing process of denim washing.

Recommended Process

Dosage: 0.2-0.4% (o.w.f)
Temperature: Normal or raise to 40-50° C
Time: 20-50min
PH value: 5.5-7.0

Package

50kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Dneo-813

Product Information

Introduction

One-bath enzyme, use once to achieve the function of desizing and enzyme stone washing.

Application

Used in the stone enzyme washing process of denim washing.

Advantage

1.Excellent stone grinding effect, which can reduce the amount of stone by half,
2.Fast color fading speed, can quickly produce imitation stone grinding wash, low damage to the fabric,
3.Excellent color retention performance, clear fabric surface, good gloss, high contrast;
4.Excellent base color keeping performance, clear fabric surface, good gloss, high contrast,
5.Excellent performance in cold or warm bath.

Recommended Process

Dosage: 0.2-0.8% (o.w.f)
Temperature: Normal or raise to 35-50° C
Time: 20-50min
PH value: 5.5-7.0

Package

50kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period

Basic Character

Appearance: Yellow powder
PH value ： 5.0±1.0(1% liquid solutuion)





Dneo-191

Introduction

Used on finishing of various fibers and blends for men's and women's apparel.

Advantage

1.Thick stretchy and dry feel style;
2.Antistatic properties, low yellowing,
3.Good dispersion after dissolution, fast penetration inside the Þber, high product usage,
4.Plant-based softener, completely biodegradable, reducing carbon emissions, environmentally friendly.

Basic Character

Appearance: Milky white soft viscous paste.
PH value： 5.0±1.0
Ionicity： Cation

Application

Handfeel Þnishing of denim after washing.

Usage amount for reference

Dosage: 1-4g/L
Temperature: RT or raise to 40-50° C
Time: Turn the machine 2-3min, stop the machine dip 3-5min.

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-1910

Product Information

Introduction

Suitable for soft finishing of various Þbers and their blended fabrics.

Advantage

1.The treated fabrics have good soft and lubricated handfeel;

2.Anti-static effect, and will not cause yellowing and color change.

3.Plant-based softener, completely biodegradable, reducing carbon emissions, environmentally friendly.

Basic Character

Appearance:Light yellow liuid.
PH value： 4.0±1.0
Ionicity： Weak cation

Application

Handfeel Þnishing of denim after washing.

Usage amount for reference

Dosage for cellulose fabric: 0.6-2.0 g/L
Dosage for blended fabrics: 1.0-5.0 g/L
Impregnation process:
Dosage: 0.1-0.6% (based on the weight of the textile).
Temperature: 35-50℃
Time: 15-25min

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Hydrophilic Silicone Oil

Dneo-GWH

Product Information

Introduction

Finishing agent for fabric

Application

Suitable for hydrophilic hand feel Þnishing on all kinds of fabrics

Advantage

1.Produce fluffy and thick hand feel on various fabrics.
2. Excellent hydrophilic and low yellowing ability
3. Good penetrating ability.

Recommended Dosage

10-30g/L

Package

125kg plastic barrel

Basic Character

Appearance： Blue clear liquid
pH Value： 5.0±1.0
Ionicity： Weak cationic

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-3288

Product Information

Introduction

Finishing agent for fabric

Advantage

1.Gives the fabric an extremely ßuffy feel style;
2.Good compatibility and hydrophobicity, low yellowing.

Basic Character

Appearance : Light yellow transparent liquid
pH Value : 5.0±1.0
Ionicity : Weak cation

Application

Suitable for hydrophilic ßuffy hand Þnishing of various fabrics

Recommended Dosage

5 - 15g/L

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Dneo-340

Product Information

Introduction

Finishing agent for fabric

Advantage

1.Low yellowing, effectively enhancing fabric gloss;
2. Excellent softness and smoothness;
3.Good drapability and resilience;
4.Improving the wrinkle resistance and tear strength of the fabric

Basic Character

Appearance : Slightly yellow transparent to semi-transparent viscous liquid
pH Value : 4.5±1.0
Ionicity : Cationic

Application

Used for hand finishing of fabrics such as cotton, linen, wool, towels,
denim, etc

Recommended Dosage

0.5g-2g/L

Package

120kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-555

Product Information

Introduction

Anti ozone oil for denim and garment

Advantage

1.Good ozone resistance, can effectively reduce fabric ozone problems;
2.It has good antistatic effect.

Basic Character

Appearance : Yellow to dark red viscous liquid
pH Value : 4.5±1.0
Ionicity : cationic

Application

Used for anti-ozone and handfeel Þnishing of denim and
garment washing.

Recommended Dosage

1-3g/L

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Anti Ozone Improver

Dneo-7030

Product Information

Introduction

Anti-backstain powder for denim washing

Advantage

1.Good resistance to ozone oxidation,
2.After being treated with anti-ozone soft olein HS-555, the antiozone oxidation effect can be significantly improved by further treatment.

Application

Used to improve the anti-ozone oxidation effect of denim and
garment washing

Recommended Dosage

1-3g/L

Package

125kg plastic barrel

Basic Character

Appearance : Brown transparent liquid
pH Value : 7±1.0
Ionicity : anion

Storage

store in cool and ventilated warehouse 6 months of storage period





Dneo-D

Product Information

Introduction

Multi functional soft oil for fabric

Advantage

1.Excellent resistance to light yellowing and soft properties;
2.With a hydrophilicity,good rapid dispersion and penetration performance;
3.It does not contain AEEA, biodegradation rate is
greater than 90%.

Basic Character

Appearance： Milky white viscous liquid to paste
pH Value： 6.0±1.0
Ionicity： Weak cation

Application

Suitable for anti-yellow finishing of pure cotton and its blended fabrics.

Recommended Dosage

5-20g/L

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo YL Clean

Product Information

Introduction

Multi functional cleaning agent for fabric

Application

Suitable for cotton, blended fabric white effect Þnishing.

Advantage

1.No damage to the fabric, no yellowing, improve the whiteness
and clarity;
2.It has a certain elimination effect on odor.

Recommended Dosage

0.5 - 2g/L

Package

50kgs/paper drum

Basic Character

Appearance : White grain
Solubility : soluble in water

Storage

store in cool and ventilated warehouse 12 months of storage period



Dneo-003

Product Information

Introduction

Instead of acid wash and PP full spray.

Advantage

1.Improve the definition and contrast of denim fabric.
2.Cold bathing,save power and operation time.
3.Can substitute sand or salt-like base fading effect, pp spray effect,
can effectively fade indigo dye

Basic Character

Appearance ： White to purple granules

Application

Used for washing off floating stain on denim, can create sand fading effect.

Recommended Dosage

0.5-2.0 g/L

Package

50kgs/paper drum

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-GRJ

Product Information

Introduction

Denim Lycra protector

Advantage

1.Prevent fabric elasticity during dyeing or washing;
2.It has no effect on the color of the fabric;
3. It does not contain APEO and other prohibited substances .

Basic Character

Appearance : Microemulsion white translucent liquid
pH Value : 9.0±1.0
Ionicity : Nonionic

Application

Suitable for the elastic protection of denim and other fabrics containing spandex in washing or garment dyeing.

Recommended Dosage

1-4g/L

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period





Dneo-4000A

Product Information

Introduction

Detergent for cleaning textiles

Advantage

1. It has excellent anti staining ability and cleaning power; Easy to dilute without clumping;
2. It has good refining, emulsifying, and dispersing properties;
3. This product does not contain AP, NP, APEO, NPEO

Basic Character

Appearance: Light yellow to dark yellow viscous liquid
PH value: 5.0 ± 1.0
Ionic: Non ionic

Application

Suitable for cleaning, refining, and degreasing textiles.

Recommended Dosage

0.5-2g/L

Package

200kg plastic barrel

Storage

store in cool and ventilated warehouse 12 months of storage period





Dneo-850

Product Information

Introduction

Environmentally friendly Þxing agent

Application

For the color fixing finishing of denim clothing, it has excellent color Þxing effect on indigo and sulfur black

Advantage

1.Has good fastness to washing, salt alkali color fastness, sweat stain fastness, saliva stain fastness, etc;
2.Free from formaldehyde and heavy metals, it does not pollute fabrics or the environment.

Recommended Dosage

3g-8g/L

Package

125kg plastic barrel

Basic Character

Appearance: Colorless viscous liquid
PH value: 6.0 ± 1.0
Ionic: cationic

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-363

Product Information

Introduction

Levelling agent for levelling and dyeing of polyamide and its blended fabrics with acid dyes, and can also be used as a repair agent after coloring

Advantage

1.It has a strong dye-shifting performance, and can effectively improve the defects such as transverse and stripe by strengthening the dye-shifting at high temperature stage.
2.Improve the dispersion and penetration ability of dye, dyed fabric color uniform, clear lines, pure color light, bright.
3.Low foam reduces defects caused by excessive foam in the dyeing process.

Basic Character

Appearance : Yellow to orange-red liquid
pH Value : 7.0-8.0 (1% deionized water solution)



Recommended Dosage

Dyeing levelling agent
Recommended dosage: 0.3-0.5% (owf)

Color repair agent
Recommended dosage: 0.8-1.5% (owf)

Package

125kg plastic drum

Storage

Store in original sealed package at room temperature (30℃) for 6 months.



Dneo-115

Product Information

Introduction

Used for Þxation treatment after dyeing with anionic dyes (acid dyes,
metal complex dyes) for wool, nylon (nylon), silk, leather wear, etc.

Advantage

1.After treatment, can extremely improve the water washing
fastness, anti sweat stain fastness;
2.Less impact on the color, brightness and hand feel of fabrics;
3.Excellent acid resistance, good for chemical material operation.

Basic Character

Appearance : Brownish black clear liquid
PH Value : 2.0±1.0

Recommended Process

Recommended Dosage and Technique:
Light color system: 1-2 % o.w.f
Intermediate color system: 2-3 % o.w.f
Dark color system: 3-4 % o.w.f
Bathing ratio: 1:10 to 1:15
Temperature and time: 80℃ × 20min

Package

125kg plastic drum

Storage

Suggested 6 months in sealed package (at room temperature)



Dneo-104

Product Information

Introduction

Anionic and nonionic surfactant complexes

Advantage

1.Strong emulsification ability, good dispersion performance, less foam, strong penetration, alkali resistance 120g,
2.Effectively helps to remove sizing, oils, dirt, etc. from fabrics,
3.When used for silk or chemical fiber desizing and refining, it can help alkali penetration, make desizing thoroughly clean, improve desizing rate, without damaging the fiber, and the fabric has good handfeel. This product is used for cotton fabric or yarn boiling, desizing boiling effect is good, high gross efÞciency, good whiteness.

Basic Character

Appearance: Transparent liquid
Ionicity:Anionic/Nonionic
PH Value： 7-8±1.0
Solubility: soluble in water

Application

Effectively helps to remove sizing, oils, dirt, etc. from fabrics.

Recommended Process

1.Intermittent production process.
Conditioner HS-104:0.5-1%(o.w.f.)
2.Continuous production process.
Conditioning agent HS-104:4-6g/L

Package

125kg plastic drum

Storage

Store in original sealed package at room temperature (30℃) for 6 months.



Dneo-469

Product Information

Introduction

Used for soaping cotton and cotton blended fabrics after dyeing.

Advantage

1.Has a strong ability to remove ßoating color and anti-ßoating
color redip;
2.Excellent soaping effect on reactive dyes and direct dyes;
3.In the process of desizing, boiling, bleaching and dyeing, the
inßuence of calcium magnesium copper iron plasma on the
product can be reduced.

Basic Character

Appearance : Yellow viscous liquid
pH Value : 6.5±1.0 (1%)

Recommended Dosage

Recommended dosage:
Impregnation process: 0.5 -2 g/L
Dipping process: 4-8 g/L

Package

125kg plastic drum

Storage

Store in original sealed package at room temperature (30℃) for 6 months.



Dneo-987

Product Information

Introduction

For color fixing after reactive dyestuff dyeing

Advantage

1.Can significantly improve the washing fastness of reactive black and red,
2.High afÞnity, easy to use and reliable,
3.High absorption rate, less waste water pollution, high economic efÞciency;
4.Good color fastness to salt and alkali, fastness to perspiration, fastness to saliva stains, etc.

Basic Character

Appearance: Yellow liquid .
Ionicity: Cationic
Solubility: soluble in water

Recommended Process

1. Dippling:
Dosage : 1-3% o.w.f
Bath ratio : 1: 8 ~ 15
Temperature & time : 40-50 ℃ × 15 ~ 20min
Dyed cloth → impregnated in the working solution of 40-50 ℃ , running 20-30min → washing → drying
2. Dipping and rolling method:
Dosage: 10-20 g/L
Dyed cloth → room temperature, one dip and one rolling working solution → shaping.

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period







Brightness Deepening Agent

Dneo-755

Product Information

Introduction

For cellulose Þbers, synthetic Þbers, wool and its blended fabrics, deepening and brightening Þnishing

Advantage

1.Can significantly improve the washing fastness of reactive black and red,
2.High afÞnity, easy to use and reliable,
3.High absorption rate, less waste water pollution, high economic efÞciency;
4.Good color fastness to salt and alkali, fastness to perspiration, fastness to saliva stains, etc.

Basic Character

Appearance: Milky white liquid
Ionicity: Cationic
PH Value ： 5.5±1.0
Solubility: soluble in water



Recommended Process

Dipping: 0.5-1.0g/L
(room temperature ×5~10 min)

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-900

Product Information

Introduction

Enhancement of color fastness of vat dyes

Advantage

1.Excellent effect on vulcanized black denim,
2.Does not affect the sun, does not contain formaldehyde, does not contain phosphorus Possesses the multifunctional color-Þxing effect that is resistant to hard water, salt and alkali,
3.Multi-functional color-fixing effect with resistance to hard water, salt and alkali.



Basic Character

Appearance: Yellow transparent liquid
Ionicity: Cationic
pH Value： 5.5±1.0
Solubility: soluble in water

Recommended Process

Water temperature: room temperature or warmed up to 40-45 ℃ (warming effect is better)
Dosage: 1g/L-4g/L
Time: 5-10min

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-118

Product Information

Introduction

Specialized non-ionic surface-active complexes

Advantage

1.Excellent emulsifying and dispersing ability and degreasing effect under neutral, weak acidic and alkaline conditions, and is a three-in-one product of degreasing, emulsifying and dispersing.
2.The one bath spotting removal dyeing process can eliminate the color spot and color ßower caused by oil and oligomer sticking to the cylinder, and improve the processing quality,
3.Suitable for polyester woven, warp and weft knitted and spandex fabrics or blended fabrics pretreatment or training and dyeing in the same bath process. Phosphorus-free, APEO-free

Basic Character

Appearance: yellowish transparent thick liquid
Ionicity: anionic/non-ionic
pH value:6-7(1% aqueous solution)
Solubility: easily soluble in water

Package

125kg plastic barrel

Recommended Process

1. Polyester knitted fabric practice and dyeing with the bath degreasing process: HS-118: 0.3-1.0g / L, leveling agent: 0.3-1.0gL, temperature 120-130 ℃ , treatment 30-60min.
2.Spandex fabric pretreatment oil removal process :HS-118:0.3-1.0g/L, soda ash;1-2g/L, temperature 90-110 ℃ , treatment 30-60min.
3. Polyester embroidery cloth and other degreasing process; HS-118: 0.5-1.5g/L, degreasing agent added after running at room temperature for 10min, and then warmed up to 80-100 ℃ , processing 30-60min, and then overflow washing out of the tank.
4. For continuous degreasing process; HS-118:1.0-3.0g/L, pH value can be adjusted according to the needs of the factory. Temperature 80-100℃

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-405

Product Information

Introduction

Mainly used for hydrogen peroxide decomposition after oxygen bleaching

Advantage

1.Quickly removes residual hydrogen peroxide and improves dyeing quality without affecting the fabric or the dye;
2.Effectively removes hydrogen peroxide at levels up to 1000 ppm;
3.Decomposes hydrogen peroxide into water and oxygen, which is environmentally friendly.

Basic Character

Appearance: Brown liquid
PH Value： 6.5±1.0

Recommended Process

Water temperature:30-50℃
Dosage: 0.1g/L-0.3g/L
Time: 5-15min

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse
6 months of storage period





Dneo-416

Product Information

Introduction

Suitable for water treatment, desizing and dyeing of chemical fiber fabrics, desizing, refining and dyeing of cotton and its blended fabrics.

Advantage

1.Chelate calcium, magnesium and other metal ions in water to improve water quality.

2.It can effectively prevent dyestuffs from forming compounds with calcium and magnesium ions and precipitating, without affecting the color light and color fastness of dyestuffs;

3.Excellent dispersibility and can promote the emulsification and dispersion of polyethylene pulp and polyacrylic acid pulp on synthetic Þbers in water.

Basic Character

Appearance: colorless transparent liquid

PH value : Acid

Ionicity: Anionic

Usage amount for reference

Color dyeing: 0.15- 0.3g/L

Desizing, boiling, bleaching: 0.2 -0.5g/L

Woolen fabric washing: 0.3-0.6g/L

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-219

Product Information

Introduction

Suitable for the repair of polyester Þber color blossom spots

Advantage

1. Excellent diffusivity, which can accelerate the diffusion and migration of dyestuff molecules inside the Þber during the dyeing heat preservation period and improve the level-dyeing property.
2. Special leveling repairing agent for high temperature and high pressure dyeing of polyester fiber fabrics. It can improve the dyeing efficiency and shorten the dyeing time.
3. Excellent high temperature dispersibility and solubility, which can effectively prevent dyestuff from coalescing, and excellent ability to shift dyeing, effectively preventing and eliminating color spots and color patches on fabrics.

Basic Character

Appearance:light yellow liquid
PH:6-7(1% aqueous solution)
Ionicity: non-ionic
Solubility: can be diluted with water in any proportion

Usage amount for reference

Dosage: 0.5-2.0%(o.w.f)

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-516

Product Information

Introduction

Suitable for polyester, acrylic, nylon, wool and its blended fabrics antistatic treatment.

Advantage

1. It is suitable for antistatic agent treatment when spinning and weaving synthetic Þber;
2. and can improve the anti-pilling performance of fabrics;
3. After treatment, it can obtain excellent moisture absorption and conductivity, dirt and dust resistance and washing resistance.

Basic Character

Appearance: Yellow transparent liquid
PH Value： 4.5±1.0
Ionicity: Nonionic
Solubility: Soluble in water



Recommended Process

Dipping process: 5-30g/L
(up to 30g/L for anti-pilling treatment)

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period



Dneo-542

Product Information

Introduction

Highly effective water repellent finishes for fabrics of all Þber types

Advantage

1.Give all fiber fabrics good waterproof performance and washing resistance;
2.Environmentally friendly product, does not contain APEO, PFOA, PFOS and other hazardous substances.

Basic Character

Appearance: Light yellow liquid
PH Value : 5.5±1.0
Ionicity: weakly cationic

Recommended Process

Finishing by dipping and rolling method:
Non-fluorinated waterproofing agent HS-542: 10-40g/L
pH 5-6 → impregnation rolling (70-80% of residual rate) → drying → baking (150-170℃)

Finishing by immersion method:
Non-fluorinated water repellent agent HS-542: 1 : 4 -10 water dilution
Soaking 15-30min → dehydration (water content 70-80%) → drying → baking x10~30min (130° -140° C)

Package

125kg plastic barrel

Storage

store in cool and ventilated warehouse 6 months of storage period

