Demin Series Auxiliaries Products

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The product list of the series of demin auxiliaries

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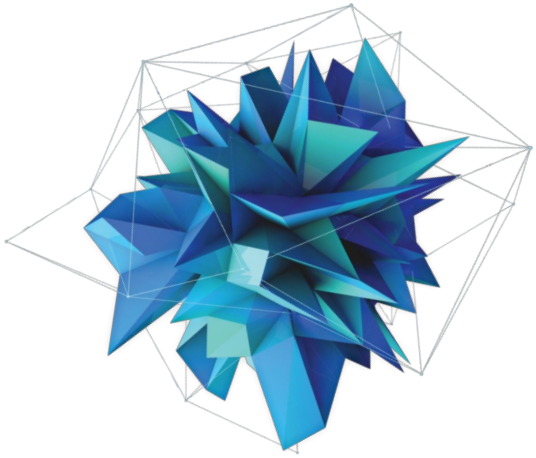


01 Denim rubbing fastness improver MCH-713

Introduction

MCH-713 is a special product used in washing indigo denim and vulcanized denim. It can improve the dry and wet rubbing fastness of fiber, and is also suitable for reactive dyes and direct dyes. And paint printed fabrics. This product does not contain APEO, does not affect fabric feel, high-temperature resistance, water-resistant, but also directly with cation softener in the same bath.

Specification

Appearance: yellowish transparent liquid

Ionic: cations

PH value: weak acidity

Solubility: soluble in water

Characteristics

1. The denim fixing agent MCH-713 has a wide range of application, which can be used to improve the dry and wet rubbing fastness of indigo, vulcanization, activity, direct dyes and pigment printing fabric products.
2. The wet rubbing fastness of fabrics can be improved by 1 ~ 2 and dry rubbing fastness by 2 ~ 2.5.
3. It does not affect the color light of the fabric or the sunlight fastness.
4. It does not contain formaldehyde and APEO, and meets the requirements of eu REACH regulations.
5. Can be used in the same bath with cationic softener to reduce operating procedures and production costs.

Typical Dosage:

1) Usage: 2.0 ~ 4.0g/L
   Temperature × time: 40 ℃ × 10 min ~ 20 min
2) Discharge, dehydration (80 dry)
3)Dry clothes, dry all clothes, continue to fix color in 90℃ clothes dryer for 5 minutes (or send immediately to the finer 130℃ for 3 minutes)

02 Denim bottom keeping agent MCH-706

Introduction

MCH-706 preservative will form a film on the fiber surface, which can keep the original bottom color of the fabric and make the clothing fabric bright color. The product has excellent stability to electrolyte and is not affected by high shear stress and high temperature. It has high washing fastness, high thermal stability and excellent mechanical stress stability, and its stability is not affected by acid.

Specification

Appearance : milky white liquid

Ionic : anions

PH : weak alkalinity

Usage

Spray or print color preservatives where the fabric needs to be colored, and then dry. When the dried fabric is sprayed with potassium permanganate solution, soaked in potassium permanganate or bleached aqueous solution, the part with color preservative can keep the background color unbleached, thus producing special pattern.

03 Neutral cellulase MCH-762

Introduction

MCH-762 is a highly concentrated liquid neutral cellulase that can be used for textile biological finishing in dyeing plants.

This unique neutral cellulase sets a new standard for fabric surface depilation and shows customers a full range of values: under neutral pH conditions, It has excellent surface polishing ability in all kinds of process equipments.

MCH-762 is a unique neutral cellulase which is naturally fermented by genetically modified microorganisms and biodegradable.

Specification

Vitality: > 35,791 FNCU/g (*)
Appearance: dark brown liquid
Specific gravity: ~ 1.10
pH: 4.8 - 5.8
(*) enzyme activity is expressed by finishing cellulase unit (FNCU), and our internal standard is used to ensure stability between batches. The enzyme activity unit should not be used as the standard for the determination of finishing effect. Specific determination methods can be obtained from our company.

Characteristics

A) Simplifying processing

· No need to adjust the pH.MCH-762 can work under the different pH of the influent of various processes, so no extra time is required to adjust the pH.

· Finishing and dyeing. The enzyme can make the fabric finishing and dyeing under neutral pH in one bath, which greatly saves the processing time and increases the yield.

B) High quality fabric

· Reduce fabric strength damage and weight loss. Enzyme biological finishing can bring clean fabric surface, and the fabric itself will not change dramatically. Compared with the traditional acid cellulase process, neutral cellulase can maintain the fabric strength and weight.

· Increase the dyeing rate. Neutral cellulase can not only get clean fabric surface, but also reduce the amount of dye to achieve the desired dyeing effect, or increase the coloring strength after adding the same amount of dyes.

03 Neutral cellulase MCH-762

Process conditions

The following table shows the main process parameters and scope of operation of biological finishing.

Operation parameter	
Process parameters	Opereating specification
PH	5.0 - 8.0
Temperature	40 - 70 C (104 - 158 F)
Bath ratio	3:1 to 20:1
Time	15-60 minutes

Application

The best product addition should be based on the conditions of use and desired effect of the product. Usually, a small amount of fabric can be determined after the initial test. The addition can be based on the type, weight, and operation of the fabric. Between, pH, temperature, bath ratio, chemical auxiliaries and equipment type and change. The amount shown below is a guide to the MCH-762 initial addition. If the product needs further dilution, the addition should be adjusted accordingly.

Fabric type additive OWG
Fabric 0.10-0.20%

Enzyme inactivation

If necessary, MCH-762 can be deactivated when the solution is maintained for 5 minutes at a pH greater than 9.0. Soda ash (sodium carbonate) or borax (sodium borate) or alkaline detergents are recommended to regulate pH.

Packaging storage

MCH-762 has 25kg small barrel, 125kg barrel.

The MCH-762 is placed in a closed container at room temperature (up to 25 °C) and the same compound product should be stored in a sealed container. Information on storage and stability can be obtained from our company.

04 High concentration soaping agent for denim MCH-728

Introduction

MCH-728 is a denim high-strength anti-stain soap lotion. Suitable for densification of denim, stone mill washing, enzyme washing, hypochloric acid bleaching anti-stain.

MCH-728 is a kind of environmental protection assistant, its biodegradation ability has already passed OECD 301E and OECD 302B certification.

Specification

Appearance: Pale yellow viscous liquid
Ionic: non-ion
PH value (1g/L) 6.5
Soluble in water
PH value stability pH=2~13 stability
Hard water stability: can withstand 30odH hard water

Dilution method

MCH-728 can be thinned at 1:10 and then used. Slowly add 100kg MCH-728 to 900kg soft water and stir while adding. Add and continue slowly stirring for 30-40 minutes.
Dosage: different methods

1. Enzyme desizing: 1-3g/L
2. Stone washing: 1-3g/L
3. Enzyme washing: 1-3g/L
4. Wash: 0.5-1.5g/L
5. Chlorine rinsing: 1-3g/L

05 Ultra low formaldehyde type resin MCH-7120

Introduction

MCH-7120 is a kind of stabilizer resin suitable for crease, embossing, electro-optic and calender finishing of cotton fiber and its blended fabric. At the same time, it is also suitable for the pressing wrinkle of garments and the processing of three-dimensional cat.

Specification

Appearance: transparent clear liquid

Ionic: cations

PH value: weak acidity

Solubility: soluble in water

Characteristic

1. The final resin MCH-7120 contains less than 0.1% free formaldehyde and has the finishing effect of ultra low formaldehyde.
2. Meet customer brand requirements, such as: contact skin textiles for Eco-Tex 100 standards (fabric formaldehyde less than 75ppm). This application is particularly applicable to the evaluation methods described in Japan Law 112-1973.
3. Give cellulose and its blended textile fabrics excellent crease resistance and shrinkage resistance
4. Excellent strength is therefore recommended for knitted fabrics and lightweight cotton fabrics.
5. In 100% cotton fabric, this product is not chlorine resistant, do not affect the chlorine bleaching effect.

Usage

Product dosage: MCH-7120 ：100-150 g/l Catalyst ：15-20 g / l

Strong protectant ： 20-40 g / l Softener ：x g / l

Soaking liquid-dehydration (100% with liquid)-drying to 7%-crinkling-oven hanging (135-140 ℃ X15-20min)

06 PU brightener MCH-708

Introduction

MCH-708 is a matching bright resin developed by our company. It has the effect of non-pressing and self-polishing, and has a soft and dry feel.

Characteristic

1. The brightener is self-polishing, that is, the type of bright resin, without pressing, friction can be.
2. Brighteners use gloves, brushes or sprays to process parts or whole garments. Then solidified at 140-150 °C for 15-20 minutes. After drying, some can be polished by hand. You can also use a roller, add a rubber ball for polishing, or use a polishing machine

Dilution method

MCH-728 can be thinned at 1:10 and then used. Slowly add 100kg MCH-728 to 900kg soft water and stir while adding. Add and continue slowly stirring for 30-40 minutes.
Dosage: different methods

1. Enzyme desizing: 1-3g/L
2. Stone washing: 1-3g/L
3. Enzyme washing: 1-3g/L
4. Wash: 0.5-1.5g/L
5. Chlorine rinsing: 1-3g/L

04 High concentration soaping agent for denim MCH-728

Introduction

MCH-728 is a denim high-strength anti-stain soap lotion. Suitable for densification of denim, stone mill washing, enzyme washing, hypochloric acid bleaching anti-stain.

MCH-728 is a kind of environmental protection assistant, its biodegradation ability has already passed OECD 301E and OECD 302B certification.

Specification

Appearance: Pale yellow viscous liquid
Ionic: non-ion
PH value (1g/L) 6.5
Soluble in water
PH value stability pH=2~13 stability
Hard water stability: can withstand 30odH hard water

Dilution method

MCH-728 can be thinned at 1:10 and then used. Slowly add 100kg MCH-728 to 900kg soft water and stir while adding. Add and continue slowly stirring for 30-40 minutes.
Dosage: different methods

1. Enzyme desizing: 1-3g/L
2. Stone washing: 1-3g/L
3. Enzyme washing: 1-3g/L
4. Wash: 0.5-1.5g/L
5. Chlorine rinsing: 1-3g/L

06 PU brightener MCH-708

Introduction

MCH-708 is a matching bright resin developed by our company. It has the effect of non-pressing and self-polishing, and has a soft and dry feel.

Specification

Appearance: gray-white viscous liquid

Ionic: Nonionic

Solubility: soluble in water

Characteristic

1. The brightener is self-polishing, that is, the type of bright resin, without pressing, friction can be.
2. Brighteners use gloves, brushes or sprays to process parts or whole garments. Then solidified at 140-150 °C for 15-20 minutes. After drying, some can be polished by hand. You can also use a roller, add a rubber ball for polishing, or use a polishing machine

Reference prescription:

Brightener:	60-80%
Water:	X
Total:	100

07 Chlorine bleaching spandex protectant MCH-710

Introduction

Bleaching and decolorization of denim is a common processing method in garment processing. However, the elastic fabric of denim is damaged in hypochlorite bleaching and will lose its elasticity when it is serious.

MCH-710 is the newly developed spandex bleaching elastic protectant, which can effectively prevent the damage of spandex fiber and the decrease of elasticity.

Specification

Appearance: colorless
Transparent liquid
Ionic: amphoteric ions
PH value: alkaline
Solubility: soluble in water

Characteristic

1. It can effectively prevent denim elastic fabric and other spandex fiber from falling in strength and losing elasticity in chlorine bleaching.
2. Chlorine bleaching effect is not affected.
3. Reduce the amount of alkali in chlorine bleaching and maintain the stability of PH in dyeing bath.
4. Do not contain APEO, formaldehyde and other OEKOTEX 100 banned, restricted chemicals.

Usage

Recommended dosage: protective agent
MCH-710: 0. 5 ~ 2.0g/L process:

◆MCH-710 was added to the washing cylinder at room temperature to 40 ℃, and 5~10min was used to pretreat the fabric.

◆Adding sodium hypochlorite solution, according to the required fading degree, at 30 ℃ for 30-60 min;

◆Drain liquid, wash, dechlorinate with 2-3g/L, wash, dehydrate and dry.

08 Denim brightening agent MCH-717

Introduction

In addition to removing the pollution after oxidative decolorization and reductive decolorization, the denim MCH-717 has good removal efficiency, especially for the yellowing factor of processed cloth, and can improve the fastness to sunlight. This product can be used in blue denim, vulcanized black denim finished cleaning process.

Specification

Aappearance: White granules
Ionic: anion
PH value: 10. 5
Solubility: soluble in water

Usage

MCH-717: 0. 5 ~ 2.0g/L
Temperature × time:
40 ℃ × 10 ~ (15) min

Characteristic

- This product has good removal effect on pocket cloth and bottom cloth of denim.
- MCH-717 can remove the yellowing factor after oxidative decolorization and improve the fastness.
- Can also be used in indigo dye, vulcanized dyeing denim product cleaning, improve light fastness.
- Washing process can play a good pollution prevention effect.
- When MCH-717 is used after fermentation, it can deactivate enzyme and remove pollution simultaneously.
- This product can be used with anions, cationic substances (softener, fixing agent), good compatibility will not be insoluble.
- This product is non-foaming detergents, will not cause problems due to foam, improve water consumption.

09

Denim anti-yellowing agent MCH-750

Introduction

MCH-750 is the latest technology developed by the high-performance denim products for tanning discoloration improvement agent. After the cowboy is processed with sodium hypochlorite, it is easy to produce yellowish denim and improve the fastness to sunlight of denim products. MCH-750 can improve the fastness to light of denim products greatly, and can solve the problem of fading and discoloration of denim products. Maintain high value of products.

Specification

Appearance: milky white liquid
Ionic: cations
PH value: weak acidity
Solubility: soluble in water

Characteristic

This product has a good effect on the decolorization of bleaching and decolorization of various denim products by sodium hypochlorite.

This product in the actual sunlight and air environment can play a stable yellowing prevention effect.

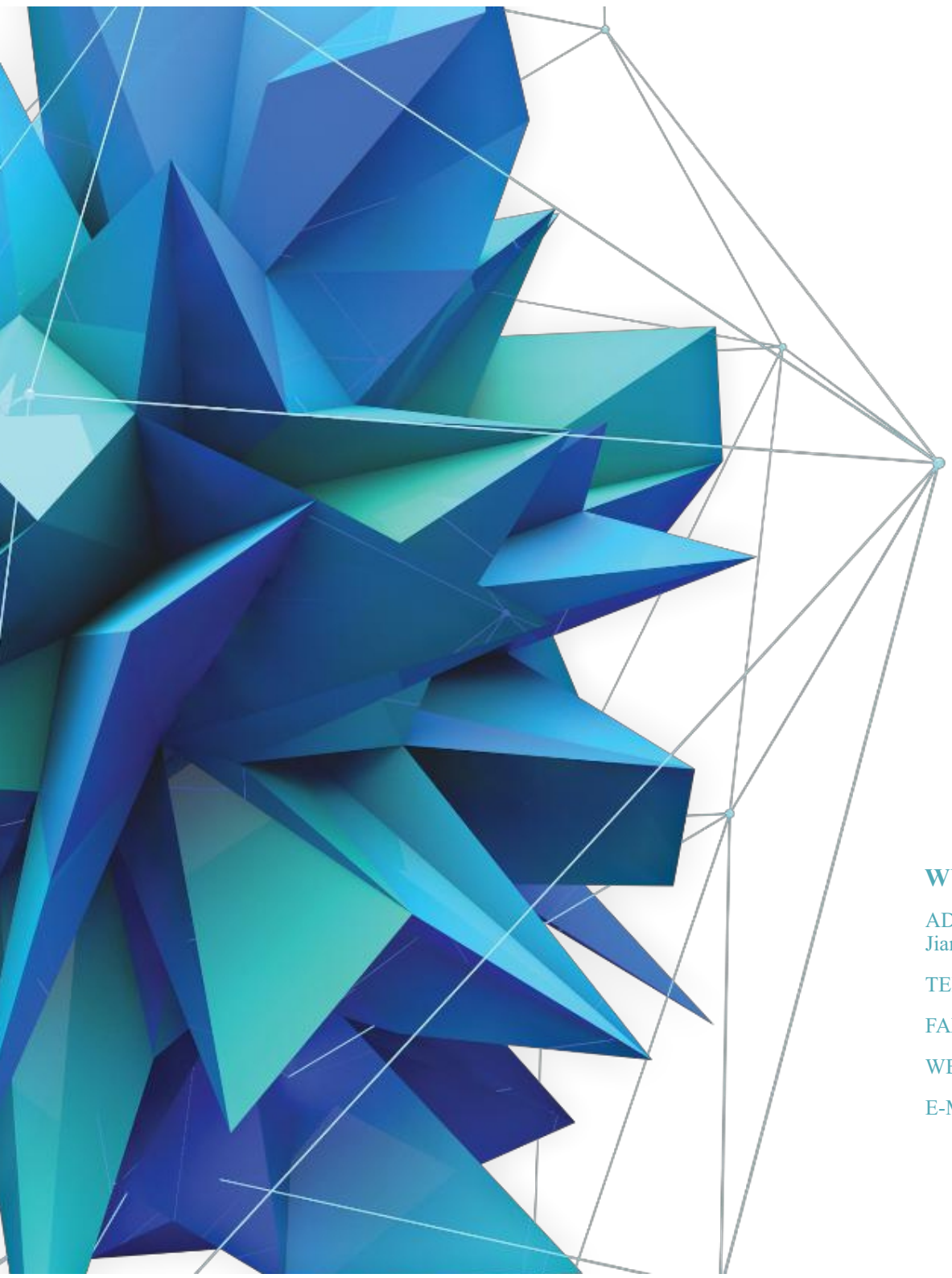
After use, there will be no change in color, does not affect the handle of cowboy products.

This product also has the good prevention effect to the discoloration caused by the nitrogen oxygen compound.

It can be used in the same bath with cationic softener to reduce operation procedure and production cost.

Usage

ip dyeing process
1) MCH-750: 1.0 ~ 3.0g/L
Acetic acid or citric acid: 0.1 ~ 0.5g/L
Temperature × time: 40 ℃ × 10 min ~ 20 min
2)water release ➡ dehydration ➡ drying



The above information is based on years of research and application experience of our company, which is drawn from our cautious experiments to the greatest extent and accepted as true. However, since your equipments, application conditions, and result requirements, etc. are beyond our control, we recommend you to conduct experiments first after choosing our products in order to ensure the results and security. On account of the diversity of application conditions, sometimes your experimental results and ours don't completely fit together, for which our company doesn't assure any responsibility. The introduction is only for your reference.

Thank you

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