



AMEO CHEMICAL



AMEO

PRODUCT INTRODUCTION OF TEXTILE AUXILIARY CHEMICAL

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PRODUCT INTRODUCTION OF TEXTILE AUXILIARY CHEMICAL

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Synthetic fiber scouring desizing agent A-1011

The multifunctional pre-treatment agents for synthetic fiber desizing, scouring and reducing weight.

The general character:

Nature:	Anion/nonionic
Appearance:	Pale yellow viscous liquid
Solubility:	Soluble in water
pH(100%):	2-5
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. It can wipe off the sizing agent of synthetic fiber quickly, and prevent the sizing agent back to the dust, reducing the starch lump, dyeing defect.
2. It can emulsify and wipe off the oiling agent and waxiness in the fabric, keep the processing equipment clean.
3. It has good scouring desizing penetrating functions, apply to scouring, desizing and reducing weight process in Polyester fabric, can shorten the process line, increase efficiency and reduce the costs.

Technical application:

The following is suggested dosage:

1. Dipping (o.w.f)

A-1011	1-3%
Caustic soda(30%)	3-6%
A-175	0.5-1%
Ratio	1:10-15
Temperature	95°C
Time	40min

2. Padding (g/L)

A-1011	5-10
Caustic soda(30%)	20-30
A-175	1-3
mangle expression	65-70%
Temperature	98-102°C
Time	40min



Desizing oil-removing agent A-1013

It is applied to synthetic fiber and its' combination fabric desizing deoiling multifunction preliminary treatment.

The general character:

Nature:	Anion/nonionic
Appearance:	Pale yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	3-6
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. It is applied to synthetic fiber and its' combination fabric desizing deoiling process.
2. It has good emulsification, dispersion, permeation, purification function, wipe off the slurry, oil and metal contamination of the synthetic fiber, keep the machine clean.
3. It prevents the slurry back to dust, avoid appearing the phenomenon of starch lump, dyeing defect and oil stain.
4. For lower density and low weight synthetic fiber, it can make desizing, oil-removing, dyeing in one-bath process, energy conservation and emission reduction, increase the product efficiency.

Technical application:

The following is suggested dosage:

Scour dye applications:

Disperse dyes x%(o.w.f)

A-1013 1-2%(o.w.f)

pH depends on dyeing process requirement

Temperature 95-130°C

Time 30-60min



Efficient neutral oil-removing agent A-1016NT

It is applied to alkaline oil-removing or acid scour dye applications for synthetic fiber and its' combination fabric.

The general character:

Nature:	Non-ionic
Appearance:	Colourless transparency liquid
Solubility:	Soluble in water
pH(100%):	6-8
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It is applied to synthetic fiber and its' blended fabric scouring oil-removing process,especially suitable for synthetic fiber and its' blended fabric alkaline oil-removing or acid scour dye applications,wipe off the oil thoroughly.
- 2.It has good emulsification,dispersion,permeation,purification function,wipe off the oil agent,oil stain,and metal contamination of the synthetic fiber,removing the oily yarn effectively.
- 3.It has good oil-removing effect in acid or alkaline environment,avoid decoloration or blocking phenomenon during the Scour Dye Applications process.

Technical application:

In general condition,the dosage of this product is 1-2%(o.w.f).The following is suggested dosage:

The scour dye applications:

Disperse	x%(o.w.f)
A-1016NT	1-2%(o.w.f)
pH	depends on technology process
Ratio	1:4-10
Temperature	95-130°C
Time	30-60min

The pre-treatment:

A-1016NT	1-2%(o.w.f)
Caustic soda(30%)	5-10g/L
Ratio	1:4-10
Temperature	95-130°C
Time	30-60min



Oil-removing agent A-105/A-105B

It is applied to synthetic fiber and its' blended fabric alkaline oil-removing,neutral oil-removing or acid scour dye applications.

The general character:

Nature:	Anion/non-ionic
Appearance:	Yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	2-5
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

105

- 1.It is applied to synthetic fiber and its' combination fabric scouring deoiling process,PH is not affected.
 - 2.It is applied to continuous flow processes,it scouring deoiling evenly.Apply to deoiling desizing kinds of fabric in one-bath,don't have starch lump and dyeing defect.
 - 3.It has good scouring deoiling effect in hard water condition(150ppm),it doesn't back to dust.
- Good alkali resistance.

A-105B

- 1.It is applied to synthetic fiber and its' combination fabric scouring deoiling process,PH is not affected.The effect is better with the increase of temperature and PH.
- 2.It is applied to continuous flow processes,it scouring deoiling evenly.Apply to deoiling desizing kinds of fabric in one-bath,don't have starch lump and dyeing defect.
- 3.It has good scouring deoiling effect in hard water condition(150ppm),it could avoid staining back.
- 4.Good alkali resistance.

Technical application:

A-105

In general condition,the dosage of this product is 0.5-2%(o.w.f).

A-105B

In general condition,the dosage of this product is 0.3-1.5%(o.w.f).



Oil-removing agent(Low temperature) A-109

It's suitable for removing the oil stain and oiling agent in the synthetic fiber and its' blended fabrics.

The general character:

Nature:	Non-ionic
Appearance:	Colourless or light yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	≤ 3
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has good deoiling effect in 60-80 degree centigrade,energy-efficient.
- 2.It has good decontamination and emulsification power,can remove the oiling agent and oil stain efficiently.
- 3.It's especially suitable for removing oil stain in yarn-dyed fabric,blended fabric and garment.
- 4.It has better effect in alkaline environment.

Technical application:

In general condition,the dosage of this product is 1-3g/L.The following is suggested dosage:

1.The general oil stain

A-109	1-2g/L
Temperature	60-80℃
Time	30-50min

2.The heavy greasy stain

A-109	2-3g/L
Caustic soda(30%)	5-10g/L
Temperature	60-80℃
Time	40-60min



Synthetic fiber scouring agent A-1109ET

It is applied to oil-removing the oiling agent and oil stain in synthetic fiber and its' blended fabrics,avoid yellow stain and dyeing defect caused by poor pretreatment.

The general character:

Nature:	Anion/non-ionic
Appearance:	White powder
Solubility:	Soluble in water
pH(1%):	11-13
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It removes the oil stain in synthetic fiber and its' blended fabrics.
- 2.It has a broad operating temperature.It has great decontamination effect in 60-130 degree centigrade.
- 3.It has good decontamination and emulsification power,great scouring oil-removing effect.
- 4.It avoids yellow stain and dyeing defect caused by poor pretreatment.
- 5.Doesn't need add any solvent and alkali,it can remove serious oil stain,has better effect in alkaline environment.
- 6.It has great cleaning performance,it can clear up the scales of equipments.
- 7.Soften water,it has good excellent metal ion chelate dispersion ability.

Technical application:

In general condition,the dosage of this product is 1-3g/L.The following is suggested dosage:

1.The general oil stain

A-1109ET	0.5g-1g/L
Temperature	80-100℃
Time	20-40min

2.Heavy greasy stain

A-1109ET	1g-3g/L
Temperature	100-130℃
Time	20-40min



Synthetic fiber scouring agent A-116

It is applied to oil-removing the oiling agent and oil stain in synthetic fiber and its' blended fabrics.

The general character:

Nature:	Non-ionic
Appearance:	Light yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	≤ 3
Foam-ability:	Low foam
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Oil-removing the oil stain in synthetic fiber and its' blended fabrics
- 2.It is a solvent removing oil agent,could remove oil stain in textile effectively
- 3.It has great dissolve,emulsify,and disperse capability in abroad operating temperature.

Technical application:

In general condition,the dosage of this product is 0.5-2g/L.The following is suggested dosage (batch-type process):

A-109	0.5-2g/L
Caustic soda(30%)	5-10g/L
Ratio	1:10-15
Temperature	100-130℃
Time	30-45min



Nylon oil-removing agent A-118

It is applied to scouring,oil-removing,and remove the impurity of nylon and its' blended fabrics.

The general character:

Nature:	Anion/nonionic
Appearance:	Light yellow or yellow transparent viscous liquid
Solubility:	Soluble in water
pH(100%):	6-8
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It is applied to scouring,deoiling,removing the impurity process in nylon and its' blended fabrics,have great scouring and deoiling effect in acid,alkali and neutral environment.
- 2.It has good permeation,especially is suitable to use in continuous scouring equipment.
- 3.It has excellent emulsify and disperse capability,especially has great emulsify capability for smooth silicone oil agent in elastic fibers.It could prevent scouring dirt redeposit effectively.
- 4.It has oxidation resistance,could prevent printed fabric oxidized by pre-treatment,or appear dyeing white stain and white spot caused by poor pre-treatment.



Continuous scouring agent for cellulosic fiber A-125

The scouring agent is applied to cellulose fiber and its blended fabric.

The general character:

Nature:	Weak anion/Non-ionic
Appearance:	White or pale yellow powder
Solubility:	Soluble in water
pH(1%):	12-14
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.Let scouring agent,bleach stabilizer, chelating disperse agent, alkaline agent set in one of the textile auxiliary.Easy to operate,only need to add the hydrogen peroxide during bleach bath.
- 2.It has good stability for metal ion.After bleaching treated fabrics have good wicking,whiteness and DP value
- 3.It has good permeation and wetting effect.

Technical application:

1.Scouring

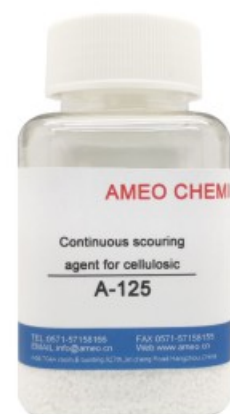
A-125	15-20g/L
Temperature	100℃ Steaming method
Time	60-90min

2.Scouring and bleaching

A-125	25-50g/L
H ₂ O ₂ (27.5%)	15-25g/L
Temperature	100-102℃ Steaming method
Time	40-90min

3.Cold-batch method

A-125	20-40g/L
H ₂ O ₂ (27.5%)	12-20g/L
Mangle expression	≥100%
Time	20-24 hours



Scouring and wetting penetrating agent A-170D

It is applied to cellulosic fiber and its' blended fabric.

The general character:

Nature:	Anion/non-ionic
Appearance:	Light yellow transparent liquid
Solubility:	Soluble in water
pH(100%):	4-7
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has great high emulsifying ability,anti-redeposition ability and excellent wetting ability.Doesn't need wetting agent in addition.
- 2.It has excellent scouring ability to ensure that treated fabric has good whiteness and wicking ability.
- 3.It is stable in hard water and bleaching bath (sodium hypochlorite, sodium chlorite, hydrogen peroxide).
- 4.It could keep stable in caustic soda solution(180g/L) .
- 5.Non-phosphorus.
- 6.Suitable for continuous pre-treatment process,and cold batching process.

Technical application:

The following is suggested dosage:

1.Padding-steaming scouring method(g/L):

Caustic soda(100%)	30-60
A-170D	5-10
A-1075	1-3
Mangle expression	around 95%
Temperature	100-102℃
Steaming	60-90min

2.Bleaching(g/L):

H ₂ O ₂ (27.5%)	10-30
A-1021	3-5
A-107D	3-5
A-1075	1-3
pH(adjusted)	10.5-11
Mangle expression	around 85%
Temperature	95-100℃
Steaming	30-45min



Low-temperature enzyme for cotton A-127

Apply to remove starch size of cotton, rayon.

The general character:

Appearance:	Brown transparent liquid
Solubility:	Soluble in water
pH(100%):	4.5-7
Storage:	In 25℃, it can be stored least 3 months and keep activity

The particular characteristics:

1. It has good removing starch size ability
2. Doesn't damage fibre strength
3. It has little effect on color light
4. Desizing process is eco-friendly, easy to degrade
5. energy-saving and cost-reducing

Technical application:

1. Stacking method

A-127	10-20g/L
Temperature	30-60℃
Wetting agent(Non-ionic)	1-2g/L
pH	5.5-6.5
Time	2-4h

2. Steaming method

A-127	10-20g/L
Temperature	50-60℃
Wetting agent(Non-ionic)	1-2g/L
pH	5.5-6.5
Time	30-50min

3. Dipping method

A-127	1-2%(o.w.f)
Temperature	50-60℃
Wetting agent(Non-ionic)	0-1%
pH	5.5-6.5
Time	20-50min



Wetting penetrating agent A-1038C

It is applied to pre-treatment and dyeing process.

The general character:

Nature:	Anion/non-ionic
Appearance:	Colorless light yellow transparent liquid
Solubility:	Soluble in water
pH(100%):	4-7
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. It could keep good wettability in wide temperature range, increase the infiltration capacity of dyestuff and auxiliaries
2. It has good disperse capability, could help reactive dyes to keep stable in the high temperature bath
3. It is stable in hard water and bleaching bath (sodium hypochlorite, sodium chlorite, hydrogen peroxide)
4. It endures alkali (100% caustic soda) as good as 120g/L, easy to rinse

Technical application:

The following is suggested dosage:

1. Padding

A-1038C	1-3g/L
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2. Dipping

A-1038C	1-2%(o.w.f)
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Textile penetrating and degassing agent A-7005

It is applied to pre-treatment and dyeing process.

The general character:

Nature:	Anion/non-ionic
Appearance:	Milky white or pale yellow liquid
Solubility:	Soluble in water
pH(100%):	6-9
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has great penetrating effect,could reach the fast permeation rate like fast penetrating T.When it used to dyeing cloth,it could prevent the white core in the suture.
- 2.It has good emulsify,disperse,and cleaning function.
- 3.It could endure hard water,bleaching bath,acid and alkali.
- 4.It has good degassing function,which could eliminate air in the fiber,and make the penetrating evenly.
- 5.It could be used to wide PH range(1-12)and temperature condition(0-135℃)
- 6.It is applied to all fiber,including the wool.
- 7.Low foaming,easy to eliminate the foam.

Technical application:

The following is suggested dosage:

1.Padding

A-7005 1-3g/L

2.Dipping

A-7005 1-3%(o.w.f)



Non-silicon bleach stabilizer A-1021

The Non-silicon stabilizer apply to hydrogen peroxide bleaching process.

The general character:

Nature:	Weak anion
Appearance:	Light yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	3-5
Foam-ability	Non-foaming
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It controls the stability of hydrogen peroxide in bleaching bath,helps to remove the impurity of cotton,ensures the bleach effect and fiber strength.
- 2.It has no silicate,it doesn't adhere to the cotton,anti-polluted the equipment.
- 3.It almost could take the place of sodium silicate,suitable to any bleaching process.

Technical application:

1.cold pad-batch method(g/L):

H ₂ O ₂ (100%)	10-15
Caustic soda(100%)	40-60
A-1021	8-12
A-1038C	3-5
A-170D	5-10

Dry cloth padding,batching up time 16-20 hours,

2.Steaming bleaching process(g/L):

H ₂ O ₂ (100%)	3-8
pH(adjusted)	10.5-11
A-1021	4-6
A-107D	3-5
A-1075	1-3

3.Batch-type bleaching process(g/L):

H ₂ O ₂ (100%)	3-5
A-1021	1.5-3
A-108A	1-2
Temperature	over 95℃
Time	40min



Chelating disperse agent A-1075

The textile wet process auxiliary that suitable to any fabric.

The general character:

Nature:	Anion
Appearance:	Colorless or light yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	4-7
Foam-ability	Non-foaming
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has complexation and disperse capability for metal ion in high temperature.
- 2.In high temperature,it endure electrolyte, oxidation and has the character of reducing bleaching agent.It also endure strong alkali(as good as 280-300g/L)
- 3.It has excellent capability of preventing and disintegrating crystal,is important for hydrogen peroxide-sodium silicate bleaching bath.
- 4.If it's used with surfactant,it could increase the rewetting ability of fabric.

Technical application:

1.Water softener

Continuous system	A-1075	1-2g/L
Pause type	A-1075	0.5-1g/L

2.Scouring,bleach

Continuous system	A-1075	2-4g/L
Pause type	A-1075	1-1.5g/L

3.Dye

Continuous system	A-1075	2-4g/L
Pause type	A-1075	1-1.5g/L

4.Reducing bleach

Pause type	A-1075	1-1.5g/L
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5.Water washing

Continuous system	A-1075	1-2g/L
Pause type	A-1075	0.5-1g/L



Textile peeling agent for sea-island fiber A-1100A

It is applied to for sea-island fiber fibre opening.

The general character:

Nature:	Cation/Non-ionic
Appearance:	Pale yellow liquid
Solubility:	Soluble in water
pH(100%):	11-13
Storage:	Sealed,in normal temperature,12 months It should be stir well before use it.

The particular characteristics:

- 1.It has stable and sufficient fibre opening effect,after fibre opening have soft hand feeling.
- 2.It ensures colour fastness and color stability.
- 3.It is applied to fibre opening cloth cover quality and avoid fiber damage,it benefits for sanding to get plump and uniform high quality.
- 4.It is applied to for sea-island fiber low temperature and low-alkaline fibre opening,It is applied to for multi-component fibre opening,for example sea-island/real silk,sea-island/wool.
- 5.It is applied to for polyester fiber and dacron fibre opening.

The particular characteristics:

The following is suggested dosage:

A-1100A	2-4g/L
Caustic soda(30%)	20-30g/L
Ratio	1:15



Ultrafine polyester fiber levelling agent A-205

This high concentration disperse levelling agent is applied to micro-thin polyester fiber dyeing process in high temperature and high pressure environment.

The general character:

Nature:	Anion/non-ionic
Appearance:	Yellow transparent liquid
Solubility:	Soluble in water
pH(10%):	2-5
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. It has good dispersing, retarding and migration capability.
2. It has great inter-facial migration capability in whole dyeing temperature zone.
3. Its wettability and permeability is great, avoid to appear "white core" in dyeing process.
4. It has no color reduction. It won't effect color yield rate, has minimal effects on light fastness.
5. It could reduce oligomer, the dye-uptake is stable in the ultrafine polyester fiber.

Technical application:

The general dosage is 0.1-0.5g/L, the following is for reference:

1. dyeing in high temperature and high pressure: 0.1-0.5g/L

- A. Ordinary fabric: 1:8-10 thinning; dosage 1-1.5g/L
B. Ultrafine fabric: 1:4-6 thinning; dosage 1-2g/L

2. low bath ratio yarn dyeing dosage 0.2-0.6g/L



High-temperature disperse levelling agent A-212A

Disperse levelling agent suitable for ultrafine polyester fiber and its blended fabric.

The general character:

Nature:	Anion/non-ionic
Appearance:	Brown - red viscous liquid
Solubility:	Soluble in water
pH(100%):	5-7
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. It has good disperse, retarding and migration ability, slow down dyes printing speed in the process of heating.
2. It has excellent migration ability in the whole range temperature of dyeing.
3. Excellent wettability, good permeability, it doesn't have "white core" during the dyeing process.
4. No color reduction, it doesn't affect color yield rate, it has little effect for dyes light fastness.
5. It could reduce the appearance of oligomer.
6. Little impact for water-proof finish. (Less than general levelling agent).

Technical application:

The general dosage is 0.5-2g/L. It's better to test before use it.



Terylene(Polyester fiber) levelling agent A-214

The disperse levelling agent that suitable to polyester fiber and its' blended fabrics.

The general character:

Nature:	Anion/non-ionic
Appearance:	Light brown liquid
Solubility:	Soluble in water
pH(100%):	6-8
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has great dispersing,retarding and dye migration capability.
- 2.It has great interfacial migration capability in whole dyeing temperature area.
- 3.Its permeability is excellent.
- 4.It has no color reduction,has no effect with final color yield rate.
- 5.It could reduce the appearance of oligomer.
- 6.It's used to PH4-8 range,it's stable in general electrolyte solution.

Technical application:

The general dosage is 0.5-1.5g/L,the following is for reference:

- 1.High temperature and pressure 0.5-1.2g/L
- 2.Low ratio yarn dyeing 1.0-1.5g/L



Efficient color modifier levelling agent A-217

It is applied to high temperature and high pressure dyeing and embellish of ultrafine denier polyester and Blended fabric.

The general character:

Nature:	Weak anion/non-ionic
Appearance:	Yellow transparent liquid
Solubility:	Soluble in water
pH(100%):	≤4
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has great migration property for disperse dyes in high temperature.
- 2.It has good dispersal,levelling function and osmosis ability.
- 3.It has no color reduction.
- 4.Avoid oligomer and dyes disperse problems caused by strong migration property color modifier.
- 5.It doesn't affect color yield rate of dyes.
- 6.Low foaming

Technical application:

1.High temperature levelling

M-217	0.1-0.3g/L
pH	5-6
Ratio	1:10-15
Temperature	130-135°C
Time	30-60min

2.Mending dyeing defect(depends on different condition)

M-217	1-3g/L
pH	5-6
Bath ratio	1:10-15
Temperature	130-135°C
Time	30-60min



Levelling agent and color modifier A-2910

levelling and color modifier for ultrafine polyester fiber and its blended fabric.

The general character:

Nature:	Anion/non-ionic
Appearance:	Yellow transparent liquid
Solubility:	Soluble in water
pH(100%):	4-7
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has good high temperature migration ability of disperse dyes.
- 2.It has good dispersity, level dyeing function and permeability.
- 3.No color reduction.
- 4.It doesn't affect color yield rate.
- 5.Low foaming,easy to wash.
- 6.Little impact for water-proof finishing process.
- 7.No phosphorus,ammonia nitrogen and total nitrogen.Eco-friendly.

Technical application:

1.High temperature levelling process

A-2901	0.1-0.5g/L
pH	5-6
Ratio	1:10-15
130-135℃	stay warm 30-60min

2.Rehandle dyeing defects and stain

A-2910	1-3g/L
pH	5-6
Ratio	1:10-15
130-135℃	stay warm 30-60min



Levelling agent and color modifier A-227

It is applied to high temperature levelling dyeing and color modifier for polyester and blended fabrics disperse dyes

The general character:

Nature:	Anion/non-ionic
Appearance:	Brown liquid
Solubility:	Soluble in water
pH(100%):	2-5
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.Strong high temperature migration property for disperse dyes.
- 2.It could efficiently rehandle various problems of polyester and blended fabrics after dyeing,including dyeing defect and spot.
- 3.No colour reduction,and it doesn't affect color yield rate of dyes.
- 4.Low foaming.
- 5.Meet the requirements of environmental protection.

Technical application:

1.High temperature levelling process

A-227	0.1-0.2g/L
pH	5-6
Ratio	1:10-15
Temperature	130-135℃
Time	30-60min

2.Rehandle dyeing defects and stain

A-227	1-3g/L
pH	5-6
Ratio	1:10-15
Temperature	130-135℃
Time	30-60min



Textile fiber carrier agents A-218D

Carrier agents and levelling agents apply to dye polyester fiber and its blended fabric and triacetate fiber.

The general character:

Nature:	Anion/non-ionic
Appearance:	Yellow transparent liquid
Solubility:	Soluble in water
pH(100%):	3-6
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Apply to dyeing polyester,wool,silk,spandex and mixed fabric,as well as disperse dyes dyeing triacetate fiber.
- 2.It has good disperse dyes carrier effect,is applied to dye at 100-135℃.
- 3.Increase the brightness of dyeing and fix defects.
- 4.It is good for wool anti-dyeing.
- 5.It has little effect for dyes light fastness.
- 6.Low smell and non-foaming.
- 7.No PCP,(2,3,4,5)-TeCP,OPP and PVC plasticizer(Phthalates);No APEO.

Technical application:

The following is general dosage%(o.w.f) for reference:

	Light color	Dark color
Ratio1:10	1.5	1.5-4
Ratio1:15	1.0	1.5-3
Ratio1:20	1.0	1.0-2

When the dyeing temperature is over 110℃ ,you could use the dosage by half.

Suggested dyeing formula is:

A-218D	the table above as a reference
levelling agent	1-2g/L
Acetic acid(adjust pH)	
Dyes	x%

Pretreatment 5-10min(check pH),at 40-60min,could heat to Tmax and keep warm30-60min.



Dyeing bath stabilizer A-215

High efficiency stabilizer apply to dyeing process.

The general character:

Nature:	Anion
Appearance:	Colorless transparent liquid
Solubility:	Soluble in water
pH(100%):	2.5-4.5
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has good acid-base equilibrium and buffer effect,doesn't need acid in addition.
- 2.It has effective control stability,has a stability for color light, reduces the deflection.
- 3.It's suitable for high stability bath.For example,acid dyes,disperse dyes, cationic dyes.

Technical application:

The general dosage is 0.2-1g/L.The following is pH of different dosage for reference:

Dosage(g/L)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
pH	5.93	5.09	4.80	4.67	4.58	4.52	4.46	4.44

Dosage(g/L)	0.9	1.0	1.1	1.2	1.3	1.4	1.5	2.0
pH	4.42	4.39	4.37	4.35	4.33	4.31	4.30	4.24



Levelling agent for cotton A-2300B

Apply to reactive and direct dyes dyeing process.

The general character:

Nature:	Anion
Appearance:	Puce liquid
Solubility:	Soluble in water
pH(100%):	4-6
Foamability:	low foaming
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It have excellent solubilization for reactive dyes and direct dyes,disperse the dye in the dye bath molecularly.Dye is more easy to permeation into fiber to get even color and ensure colour fastness.
- 2.It enhances compatibility of reactive dyes,the dye is uniform adsorption and permeation into fiber to get even color.
- 3.It prevents dye vat stained.
- 4.It prevents polyester stained at dyeing polyester and cotton.
- 5.It can retard dyeing and doesn't affect dye uptake.
- 6.It can increase the migration property when reactive dyes dyeing.
- 7.It has chelation function,and has chelate dispersal effect for metal ions in water,prevent dyes and color variation,increase color fresh.
- 8.It is good to protect colloid,disperse insoluble impurities in dye bath,helpful for level dyeing.
- 9.It is low foam and easy to clean,doesn't affect soaping.

Technical application:

The following is suggested dosage(o.w.f):

Dyes	x%
Anhydrous sodium sulphate	y%
Caustic soda	z%
A-2300B	0.5-1.5%



New reactive dye dyeing alkali agent A-231P

It is applied to reactive dyes dyeing process.

The general character:

Appearance:	White powder
Solubility:	Soluble in water
pH(1%):	≥11.0
Solubility:	≥30(25℃)
Foam-ability:	Non-foaming
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It is suitable for reactive dyes exhaust dyeing of cellulosic fiber and yarn.
- 2.It has great dye penetrant and good solubility,and ensure the dyeing color fastness,hue brightness,and levelling property.
- 3.It's easy to wash after dyeing,saving the cost.
- 4.It has good pH buffer property.
- 5.Low dosage.The general dosage is 1/6-1/10 of alkali.

Technical application:

Apply to jet overflow dyeing machine,yarn package dyeing machine,Jet dyeing machine,and Homogenizer dyeing machine.The following is general dosage for reference:

Dye%(o.w.f)	≤ 0.05	0.1	0.5	1.0	2.0	3.0	4.0	≥5.0
Dosage(g/L)	0.8-1.2	1.2-1.6	1.4-1.8	1.6-2.0	1.8-2.2	1.8-2.2	1.8-2.2	2.0-2.5



No-foaming soaping agent A-260

Apply to treatment after reactive dyes dyeing and printing process.

The general character:

Nature:	Anion
Appearance:	Pale yellow transparency liquid
Solubility:	Soluble in water
pH(100%):	6-8
Concentration:	30%
Foam-ability:	No-foaming
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has strong have strong dispersibility and anti-redyeing ability□reduce process and time of postprocessing.
- 2.It can improve can improve soaping fastness of reactive dyes and printed fabric,ensure color fresh.
- 3.It reduces reduce polyester stain at soaping polyester and cotton,for reactive dyes printing can greatly decrease mix each other,prevent white background colored.
- 4.It wipes off wipe off calcium alginate sediment at printed fabrics caused by the role of color paste and hard water in the washing process.
- 5.It has good biological degradability.

Technical application:

1.batch-type:

A-260	0.5-2g/L
Temperature	95-98℃
Time	20-30min

2.continuous

(1)space	40℃washing
(2)space	60℃washing
(3)space	98℃washing
(4)space	98℃(A-260 1.5-2.5g/L)
(5)space	98℃(A-260 1.5-2.5g/L)
(6)space	80℃ washing
(7)space	60℃ washing



Anti-staining back soaping agent A-268A

Soaping agent suitable for reactive dyes printed fabric.

The general character:

Nature:	Anion
Appearance:	Pale yellow liquid
Solubility:	Soluble in water
pH(100%):	6-8
Foam-ability:	No-foaming
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has good washing and anti-pollution ability,after washing,the fabric has bright color,improve the soaping fastness of printed fabrics.
- 2.It absorbs the floating color of the fabric surface at soaping,fast disperse to get white color anti-staining effect.
- 3.It quickly removes thickener at fabric,to get good hand feeling.
- 4.It has good chelate disperse ability, effectively closes metal ionat soaping,improves washing and anti-pollution ability.

Technical application:

1.Batch-type:

A-268A	0.4-1.5g/L
Temperature	95-98℃
Time	20-30min

2.Continuous

(1)space	40℃washing
(2)space	60℃washing
(3)space	98℃(A-268A 2-3g/L)
(4)space	98℃(A-268A 2-3g/L)
(5)space	98℃washing
(6)space	60℃washing



Dyeing bath softener A-287

Bath softener is applied to reduce scratch and streaks

The general character:

Nature:	weak cation/non-ionic
Appearance:	Milky white liquid
Solubility:	Soluble in water
pH(100%):	4-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It could improve fabric softness in wet processing,reduce scratch and streaks.
- 2.It could improve levelling property.
- 3.It could make fabric operated smoothly in low ratio and reduces,reduce blocking problem.
- 4.It could take effect in acid,alkali and different temperature(20-135℃)
- 5.Treated fabric has good softness after processing, reduces dosage of finishing softener.
- 6.It endures alkali and electrolyte.it is suitable for all kinds of conditions and fiber
- 7.Doesn't affect degree of dyeing and fastness.
- 8.Low foaming.

Technical application:

The following is general dosage for reference.

- | | |
|---------------------------|---------------|
| 1.Overflow dyeing machine | 1-1.25g/L |
| 2.Jet dyeing machine | 1.5-3g/L |
| 3.Capstan dyeing machine | 0.5-2g/L |
| 4.Air dyeing machine | 0.5-2%(o.w.f) |



Textile efficient cleaning agent A-2100A

It is applied to clean float color after disperse dyes dyeing .

The general character:

Nature:	Anion/non-ionic
Appearance:	Pale yellow translucent liquid
Solubility:	Soluble in water
pH(100%):	6-8
Foam-ability	Low foam
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.Use this cleaning agent cooperate with acid and alkali reduction clearing agent of polyester fiber and its blends,effectively remove polyester, acrylic, wool, silk, cellulosic fiber, acetate fibre non-fixing disperse dyes.
- 2.In many conditions,it could replace disperse reduction clearing processing,and guarantee the safety of next operation.
- 3.It's suitable for cleaning after disperse/acid one bath dyeing,improves the dyeing fastness.

Technical application:

1.Reduction clearing bath

- | | |
|----------------|----------|
| Reducing agent | 1-3g/L |
| A-2100A | 1.5-3g/L |
- Adjust to suitable pH
70-85℃ operate 10-20min,washing in cold water.

2.Washing directly

- | | |
|------------------|------------|
| sodium carbonate | 0-1g/L |
| A-2100A | 0.5-1.5g/L |



Reductive cleaner for textile A-2700

Suitable for reduction clearing of polyester fiber and its blends disperse dyes.

The general character:

Appearance:	Greyish powder
Solubility:	Soluble in water
pH(1%):	8-10
Foamability	Low foaming
Storage:	Sealed,in normal temperature,3 months

The particular characteristics:

- 1.It slowly release reduction body,clean non-fixing disperse dyes,enhance color fastness.
- 2.It could make dye bath cool down to 90℃,and use this product.Doesn't need to change new bath,suitable for all dyeing machine.
- 3.It save more time,water,energy,chemicals than alkali reduction clearing,less than sodium hydrosulfite three water washing and 40-60 min.
- 4.Low foam and steady to air,non-dangerous goods.
- 5.Reducing cleaning agent apply to dye polyester and its blended fabrics effectively remove non-fixing disperse dyes of, polyester,acrylic,wool,silk,cellulosic fiber,acetate fibre and make bath decoloration.
- 6.Eco-friendly and easy to biodegrade.
- 7.Easy and safe storage.

Technical application:

The following is suggested dosage:

- 1.Medium dye depth:1-2g/L
- 2.Dark color:2-3g/L
- 3.Cleaning process:Temperature:90℃,Time:10-20min,washing.



Wet fastness agent A-2345

It can enhance the wet fastness of reactive dyes dyeing fabric.(Non-formaldehyde)

The general character:

Nature:	Cation/non-ionic
Appearance:	Yellow-brown transparent and syrupy liquid
Solubility:	Soluble in water
pH(100%):	1.5-3.5
Foamability:	Non-foaming
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Endure acid,Alkali base,salt and hard water.
- 2.It can improve wet fastness and washing fastness,especially higher than 60 degree centigrade.
- 3.Suitable for color fixing after mercerization.
- 4.It doesn't affect handle feeling and sewing performance.
- 5.It doesn't affect light fastness and color light.
- 6.Formaldehyde-Free.

Technical application:

The following is suggested dosage:

- 1.Dipping:0.3-0.8%(o.w.f)
- 2.Padding:3-8g/L



Wet rubbing fastness agent A-WFT

It is a non-formaldehyde fixer which apply to enhance the fastness properties.

The general character:

Nature:	Cation/Non-ionic
Appearance:	Yellow or brown transparency liquid
Solubility:	Soluble in water
pH(100%):	3-5
Storage:	Sealed,in normal temperature,6 months

The specific character:

- 1.It could improve scrub fastness and wetting rubbing fastness for various types of cellulosic fiber and its' blended fabric.
- 2.In general condition,it could improve pigment printed fabric scrub fastness 1 to 2 level.
- 3.It exerts little effects on hue and style of the fabric.

Technical application:

The dosage of this product depends on fabric,equipment and technology process,the following is suggested dosage:

1.Dipping method

Dosage: WFT	2-8%(o.w.f)(depends on color)
Glacial acetic acid	0.1-0.2%(o.w.f)
ratio	10:10-20

2.Padding method

Dosage: WFT	20-60g/L
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Remarks:

- 1.After printing,the fabric should be treated by sufficient soaping,keep the cloth cover clean.Alkaline residuals and electrolyte would reducing the stability of the product,and separate out the white viscous thing.
- 2.Avoid to use river water or well water which has many impurities.Operating liquid temperature should be under 40°C.
- 3.If it would be used with finishing agent in bath,the compatibility should be tested.



Acid levelling agent A-2200T

It is applied to acid and neutral dyeing process of chinlon,wool and blended fabrics.

The general character:

Nature:	Zwitterions
Appearance:	Puce liquid
Solubility:	Soluble in water
pH(100%):	6-8
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Excellent retard dyeing property with high affinity to nylon fiber,it could prone to staining with anion dyes at the first of dyeing nylon fiber,and get retard dyeing and level dyeing.
- 2.It could eliminate the differences of nylon fiber affinity.And it has good nylon dyeing filing band coverage performance.
- 3.It has good migration ability,reinforce migration ability at high temperatures,effectively improve and rehandle the problem of uneven dyeing.
- 4.Doesn't affect dyeing,Doesn't affect tinctorial yield.

Technical application:

1.The dosage depends on the type of dye,colour and lustre, the following is for reference only:

Undertint:	1.5%-2%
Neutral colour:	1%-1.5%
Dark color:	0.5%-1%

2.barre fabric (we suggested that barre fabric could pre-scouring)

Glacial acetic acid(98%):	0.5-1.5%
A-2200T:	3-4%(o.w.f)
Temperature:	98°C
Time:	30min

3.Embellish

A-2200T:	3-4%
Temperature:	100°C
Time:	30min



Wet fastness agent A-2936

Significantly promote nylon dyeing and wet fastness for printed fabric.

The general character:

Nature:	Anion
Appearance:	Reddish brown liquid
Solubility:	Soluble in water
pH(100%):	2-4
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Improve wet fastness for nylon fiber and elastic fiber blended fabric,during dyeing and printing process.
- 2.It doesn't affect light fastness of dye.

Technical application:

Let the A-2936 dissolved in the 40 degree centigrade water,the dosage depends on the color,the general dosage is 1-5%.When the textile has been dyed,it should be color-fixed after soft water cleaning,the following is suggested usage:

A-2936	1-5(o.w.f)
pH	4-5
Temperature	70-80°C
Time	20-30min



Nylon anti-staining back agent A-2937

It is applied to brocade/cotton,brocade/viscose.

The general character:

Nature:	Anion
Appearance:	Red brown liquid
Solubility:	Soluble in water
pH(1%):	2-4
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It has affinity for polyamide fiber.It could prevent reactive dyes and direct dyes has dyeing contamination for chinlon during dyeing cotton component process,and prevent staining on chinlon during dyeing print soaping process.
- 2.It has color stability for chinlon or cotton,avoids chromatism and dyelot chromatism.

Technical application:

1.Pre-treatment before dyeing:

A-2937	1-5%(o.w.f)
pH	4.5-5.5

Adding the A-2937 operate 5min, then heat to 70-80°C at 2°C/min speed,operate 20-30min,drain liquid,refilling and dyeing.

2.One bath:

Add A-2937 operate 5min,and add others auxiliary or reactive dyes or direct dyes.



Textile efficient foam inhibitor A-871

Safe and non-deposition defoamer apply to different process conditions.

The general character:

Nature:	Non-ionic
Appearance:	Milky white liquid
Solubility:	Soluble in water
pH(100%):	6-8
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has excellent durable anti-foam,foam-suppressing and degassing effect.
- 2.Good stability in high-temperature.Different from siliceous defoamer,it's not easy to form silicon spot caused by deposition stain the fabric.
- 3.Good technological adaptability,it could endure high shear force and high temperature.
- 4.It could bath with general nonionic, anion additives.
- 5.Reserve steadily in 350ppm (CaCO₃ as standard)hard water.

Technical application:

The dosage is depends on the foam,the general dosage is 0.5-1.5g/L.

Remarks:

- 1.A-871 should be diluted by cold water in 1:3-10 ratio before add it in dyeing machine.
- 2.Don't add A-871 and other auxiliaries or dyes at the same time.



Multifunctional acid for dyeing process A-MAC-B

Organic acids used in dyeing neutralization.

The general character:

Nature:	Anion
Appearance:	Colorless transparent liquid
Solubility:	Soluble in water
pH(2%):	≤ 3
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.Organic buffer acid,without mineral acid such as vitriol,hydrochloric acid,phosphoric acid.
- 2.It can be used to adjust the dyeing domain's PH and the residual alkali on the fabric surface during dipping or continuous process.
- 3.Doesn't change the color of dyeing.Don't have corrosion effect to dyeing and finishing equipment and pump,and after neutralization,the residual acid doesn't cause fabrics tender.

Technical application:

The following is MAC-B pH in different solution,for reference only:

Dosage(g/L)	0.1	0.2	0.3	0.4	0.5	0.6	0.7
pH	5.2	4.3	4.0	3.8	3.6	3.5	3.4

Suggestion:you might want to experiment to find the best dosage.



Textile smooth silicone finishing agent A-33

It is applied to all kinds of fabrics

The general character:

Nature:	Anion
Appearance:	Milk white translucency emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and anion auxiliary agents
pH(100%):	3-6
Storage:	Sealed,in normal temperature,3 months

The particular characteristics:

- 1.It has good water solubility,and has no floating oil and roll banding.
- 2.It makes fabric smooth and draping.
- 3.Low yellowing and it doesn't change color.
- 4.It is applied to all kinds of fiber and its blended fabric.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-33	20-60g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-33	2-4%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-30min



New textile fabrics finishing agent A-5175

It is applied to all kinds of fiber fabrics.

The general character:

Nature:	Cation/nonionic
Appearance:	Pale yellow and pale blue transparent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with nonionic, cationic additives
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It is applied to all kinds of fiber fabrics,with excellent soft and fluffy feeling.
- 2.It is applied to dipping and padding,the finished cotton fabric has good hydrophilicity.
- 3.Extremely low yellowing, it is especially applied to whitening, light color fabric and white fabric softening.
- 4.It has good chemical stability, good compatibility with various kinds of cationic and nonionic additives.
- 5.It can be used alone. For fabrics with high smoothness requirements, it can be used together with smooth silicone oil to get different effects.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

1.padding method	
A-5175	5-25g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-5175	0.5-2%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-20min



Hydrophilia block silicone emulsion A-5202

High stability block silicone oil for all kinds of fabrics

The general character:

Nature:	Weak cation/nonionic
Appearance:	Pale blue translucent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with nonionic, cationic additives
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

1. The treated fabric has excellent soft and smooth hand feeling.
2. It is not ordinary amino silicone oil products.Using this product,it wouldn't be sticking and floating oil.
3. It has lowest yellowing, especially suitable for whitening, light color fabric and white fabric softening process.
4. It does not increase the thermal transfer of dispersed dyes,and has no affect with soaping and rubbing fastness of dyes.
5. To provide anti-static effect to synthetic fiber,especially suitable for soft treatment of anti-static fabric.
6. It can be used with fluorine anti-soil agent and hydrophilic decontamination finishing agent in the one bath.It doesn't affect the anti-soil effect of treated fabric.
7. The treated polyester fabric has redyeing property.
8. It has good penetrability,the silicone oil is penetrating to the fiber.It especially has good softening effect to heavy fabrics.

Technical application:

This auxiliary is suitable for padding and dipping process,the following is suggested usage:

1.Padding method

A-5202	10-30g/L
pH	5-6
Temperature	indoor temperature
mangle expression	75-85%

2.Dipping method

A-5202	0.5-2%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-30min



Hydrophilia silicone softener A-5195A

Having good hand feeling low yellowing hydrophilia softener

The general character:

Nature:	Cation/nonionic
Appearance:	Pale blue transparent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and nonionic auxiliary agents
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.The treated cellulosic fiber fabric has good hydrophilia and is durable to washing.
- 2.The treated fabric has excellent soft,fluffy and silky hand feeling.
- 3.Lowest yellowing and color changing,it is suitable to finishing process of white or sensitive color.
- 4.It has repeat dye property and doesn't need remove softener generally.
- 5.Emulsion have strong resisting shearing and PH stability.
- 6.Excellent compatibility,bath with most textile auxiliary agents.
- 7.It is applied to natural silk, modal.

Technical application:

1.Padding method

A-5195A	10-40g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-5195A	1-4%(o.w.f)
pH	5-6
Temperature	30-45°C
Time	20-30min



New organic silicone finishing agent A-5219

The finishing agent of soft and smooth handle.

The general character:

Nature:	Cation/nonionic
Appearance:	Milky liquid
Solubility:	Soluble in water
Intermiscibility:	Bath with nonionic, cationic additives
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.Mainly applied to pure cotton knitting, cotton, tencel, modal fabric and other fabric cold finishing.
- 2.It is suitable for dipping and padding method,the treated fabric has excellent smooth,soft and cold hand feeling.
- 3.Extremely low yellowing, especially suitable for whitening, light color fabric and white fabric softening.
- 4.Good chemical stability, good compatibility with various kinds of cationic and nonionic additives.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5219	20-60g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-5219	1-4%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-20min



Finishing agent for cotton A-5288

Cylinder softener for cotton and it's blended fabric.

The general character:

Nature:	Cation/Non-ionic
Appearance:	Milky white liquid
Solubility:	Soluble in water
Intermiscibility:	Use with cation or nonionic auxiliary in bath
PH(100%):	4.0-6.0
Storage:	Store in the dark,sealed,6 months

The specific character:

- 1.It is applied to cotton or it's blended fabric.
- 2.It endures high shear and high temperature.
- 3.It has lowest yellowing,could use for brighten fabric,light color fabric and special white fabric.
- 4.It has great chemical stability,has good capability with cation or nonionic textile chemical auxiliary.
- 5.After process,the treated fabric has good handle,could reduce the finishing agent dosage.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5288	10-50g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-5288	1-5g/L
pH	5-6
Bath ratio	1:6-1:10
Temperature	45℃
Time	15-20min



Textile smooth cotton softener A-5301A

The finishing agent of soft and smooth handle.

The general character:

Nature:	Cation/nonionic
Appearance:	Pale yellow emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and nonionic auxiliary agents
PH(100%):	4-6
Storage:	Sealed,in normal temperature,3 months

The particular characteristics:

- 1.The treated fabric have soft,fluffy,smooth and elastic hand feeling.
- 2.It can bath with resin and cationic softener
- 3.It is applied to all kinds of fabric soft treatment
- 4.It is applied to cone dyeing machine

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5301A	40-80g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	65-75%

2.Dipping method

A-5301A	3-8%(o.w.f)
pH	5-6
Temperature	30-40℃
Time	15-30min



Textile block silicone finishing agent A-5317

Soft and fluffy textile finishing agent for all kinds of fabrics

The general character:

Nature:	Cation/nonionic
Appearance:	Blue light semitransparent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with non-ionic, cationic additives
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It is applied to all kinds of fiber fabrics,with excellent soft and fluffy feeling.
- 2.It is applied to (wet cloth process)padding process,good handle,from head to end has minor changes.
- 3.It is applied to dipping ,padding process.
- 4.Low amine value,lowest yellowing,especially use to soften whitening,light color and extra white fabric.
- 5.Have great stability.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5317	10-40g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	65-75%

2.Dipping method

A-5317	1-4%(o.w.f)
pH	5-6
Temperature	30-40℃
Time	15-20min



Textile block silicone finishing agent A-538

It is applied to fluffy and elastic finishing agent of chemical fiber and its blended fabric

The general character:

Nature:	Cation/nonionic
Appearance:	Yellow translucent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with nonionic, cationic additives
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It is especially applies to all kinds of chemical fiber and its blended fabrics, with excellent fluffy, elastic feel.
- 2.It is applied to dipping and padding method.
- 3.Extremely low yellowing, it is especially applied to whitening, light color fabric and white fabric softening.
- 4.Good chemical stability, good compatibility with various kinds of cationic and nonionic additives.
- 5.The disadvantages of traditional silicone oil such as easy demulsification and roll sticking are completely changed.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-538	10-40g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-538	1-4%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-20min



Textile silicone cotton fabric softener A-5402

It is applied to cotton and its blended fabric

The general character:

Nature:	Cation/nonionic
Appearance:	pale yellow transparent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and nonionic auxiliary agents
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It has soft finishing effect
- 2.It has smooth hand feeling
- 3.It is applied to white and undertint fabric and doesn't change for deep color
- 4.Durable soft effect can endure above ten times washing,especially for cotton
- 5.Self-emulsifyin property can ensure stability
- 6.It is applied to all kinds fibers and fabrics

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5402	5-20g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

A-5402	0.5-1.5%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-30min



Textile smooth finishing agent A-5451

It is applied to all kinds fabric smooth soft finishing agent

The general character:

Nature:	Cationic/nonionic
Appearance:	Pale blue transparent emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and nonionic auxiliary agents
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It is applied to all kinds fabric,have soft and smooth hand feeling.
- 2.The treated acrylic fiber has obvious smooth and soft effect.
- 3.It is applied to dipping and padding.
- 4.Good stability.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

A-5451	10-40g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	65-75%

2.Dipping method

A-5451	1-4%(o.w.f)
pH	5-6
Temperature	30-40℃
Time	15-20min



Textile block silicone softener A-589

It is applied to all kinds fabrics

The general character:

Nature:	Cationic/nonionic
Appearance:	Pale yellow translucence emulsion
Solubility:	Soluble in water
Intermiscibility:	Bath with cationic and nonionic auxiliary agents
PH(100%):	3-6
Storage:	Sealed,in normal temperature,6 months

The particular characteristics:

- 1.It is applied to all kinds fabric,smooth soft and fluffy hand feeling.
- 2.It is applied to dipping and padding.
- 3.It is especially applied to soft finishing of whitening, undertint and extra white fabrics.
- 4.It has good stability and good compatibility with cationic and nonionic auxiliary agents.

Technical application:

This auxiliary is applied to padding and dipping process,the following is for reference:

1.Padding method

M-589	20-40g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2.Dipping method

M-589	2-4%(o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-20min



Textile chemical fiber anti-static agent A-960

It is applied to fiber and its blended fabric

The general character:

Nature:	Nonionic
Appearance:	Colorless transparent liquid
Solubility:	Soluble in water
PH(100%):	5-8
Foam ability:	Basically no bubble
Storage:	Sealed, in normal temperature, 12 months

The particular characteristics:

1. Good antistatic property.
2. Nonionic, good compatibility, use with dye-fixing agent and most silicone softener, doesn't affect hand feeling and style
3. It is used with water-proofing agent and doesn't affect waterproofness.
4. It doesn't change color and affect colour fastness.
5. Basically no bubble.
6. It is applied to fiber and its blended fabric antistatic-electricity, and improve electrostatic aspects at spinning, weaving and finishing.

Technical application:

This auxiliary is applied to padding and dipping process, the following is for reference:

1. Padding method

A-960	10-30g/L
pH	5-6
Temperature	indoor temperature
Mangle expression	75-85%

2. Dipping method

A-960	1-3% (o.w.f)
pH	5-6
Temperature	indoor temperature
Time	15-30min



Cellulose enzyme A-600

It is applied to cellulose fabric to wipe off surface fluff

The general character:

Appearance:	Puce liquid
Intermiscibility:	compatible with buffer agent and nonionic surfactant
Storage:	In 25°C temperature, 3 months

The particular characteristics:

1. It is applied to cotton, rayon, signature cotton, polyester-cotton, polyester-viscose fabric and blended fabrics polishing finishing.
2. It has fast fluff removal finishing speed. After treatment, the cloth is smooth and has clear grain. It could reduce fuzzing and pilling rate.
3. It could improve hand feeling, the treated fabric has softer and more smooth hand feeling. It also improves draping feeling.
4. It has excellent fluff removal effect, and has little loss of strength than traditional acid cellulosic enzyme.
5. No foaming during the treatment process, and treated fabric has great color retaining effect.
6. It is especially suitable for polishing regenerated cellulose fiber with skin-core structure, such as rayon.

Technical application:

Machine:	overflow/ jet dyeing machine/ jig dyeing machine/Industrial Washing Machine
Enzyme dosage:	1-3% (o.w.f)
Bath ratio:	1:5-1:20
pH:	4.5-6
Temperature:	45-50°C
Time:	20-60min
Inactivation:	heat up to 70°C and keep warm 10min



Optical brightening agent A-CPD

Suitable for brightening cellulosic fiber and its' blended fabric.

The general character:

Nature:	Anion
Appearance:	White to pale yellow powder
Solubility:	Soluble in water
Effective content	100%(for standard)
pH(1%):	8-10
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It's suitable for brightening cellulose fiber and its blend,suitable to dipping method.
- 2.High whiteness,with neutral shade.
- 3.Excellent light fastness and washing fastness.

Technical application:

The following is suggested dosage:

Dipping method:

CPD	0.05-0.3%(o.w.f)
Temperature	95℃
Time	30min



Brightening agent A-4BK

It is applied to cellulose fiber,nylon,wool and silk

The general character:

Nature:	Anion
Appearance:	Pale yellow to yellow green powder
pH(1%):	8-10
Storage:	Sealed,in normal temperature,12 months

The particular characteristics:

- 1.It is right whiteness,with bright and full bluish shade.
- 2.It has high affinity,rapid dyeing ,can be achieved high whiteness .
- 3.It has excellent washing fastness and light fastness.
- 4.It has a high absorption rate to decrease water pollution.
- 5.Endure hard water,strong base,oxidizing agent reducing agent and electrolyte

Technical application:

1.Pause dipping:	4BK	0.2-0.8%(o.w.f)
2.Pad oxygen bleaching:	4BK	1-4g/L
3.Padding-steaming:	4BK	3-16g/L



Reactive print synergist for textile A-311A

It is applied to reactive print of cotton, linen and cellulose fiber fabrics.

The general character:

Nature:	Weak cationic
Appearance:	Colorless transparent liquid
pH(100%):	10-11
Storage:	Sealed, in normal temperature, 6 months

The particular characteristics:

1. It has hygroscopic, hygroscopic and expansion effect.
2. It can replace carbamide, is applied to cotton reactive dyes printing process.
3. It can reduce ammomial nitrogen of wastewater.

Technical application:

Technology Formula

Water	X%
Carbamide	0-10g
A-311A	10g-0g
Resist agent	1g
Sodium hexametaphosphate	0.5-1g
Baking soda	1-3g
Thickener	Yg
Reactive dye	Zg
Total	100g

A-311A can replaced carbamide, it also could be used with carbamide (ratio 1:1, 1:2 mixed).



Flame retardant agent A-8002

It is a durable agent, suitable for cotton, linen and viscose fiber textiles etc.

The general character:

Nature:	Cation
Appearance:	Colorless to light yellow transparent and ropy liquid
Solubility:	Soluble in water
Solid content:	82%
PH(100%):	6.5
Storage:	Sealed, in normal temperature, 6 months

The particular characteristics:

1. Excellent in flame retardant. The effect exceed national standard B2.
2. Resistant to washing. The effectiveness of treated fabrics can be retained more times washes.
3. No influence on the quality of fabric. No influence on color shading, handling, shade, touch, and has no strength reduction.
4. Safe. No irritating odor, non-toxic, no allergic reaction with skin.
5. Good compatibility. Easy to use, and take the same bath with other finish agent.

Technical application:

Flame retardant agent A-8002 is suitable for padding method. Before finishing, clean up the surface of fabric. It is very useful to strengthen the effect.

Suggested dosage:

A-8002	300-400g/L
6MD	60-100g/l
Phosphoric acid (85%)	20g/L

Padding process:

Fabric (capillary effect > 6cm) → 2 times padding (expression 60-80%) → Drying (100-110°C) → Curing (160°C × 4min or 170°C × 2min) → Washing (Na₂CO₃: 20g/L 10g/L 5g/L) → Washing by hot water (40-60°C) → Drying

Remarks:

1. Clean up the surface of fabric and make sure good capillary effect of fabric before finishing.
2. Thick fabric need more dosage, and thin need less.

