



ZD CHEMISTRY



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Guangzhou ZD Chemistry Co.,Ltd

Washing&Dyeing Chemical
Manufacturer

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About us



Innovation leads the market Your professional provider of textile chemicals

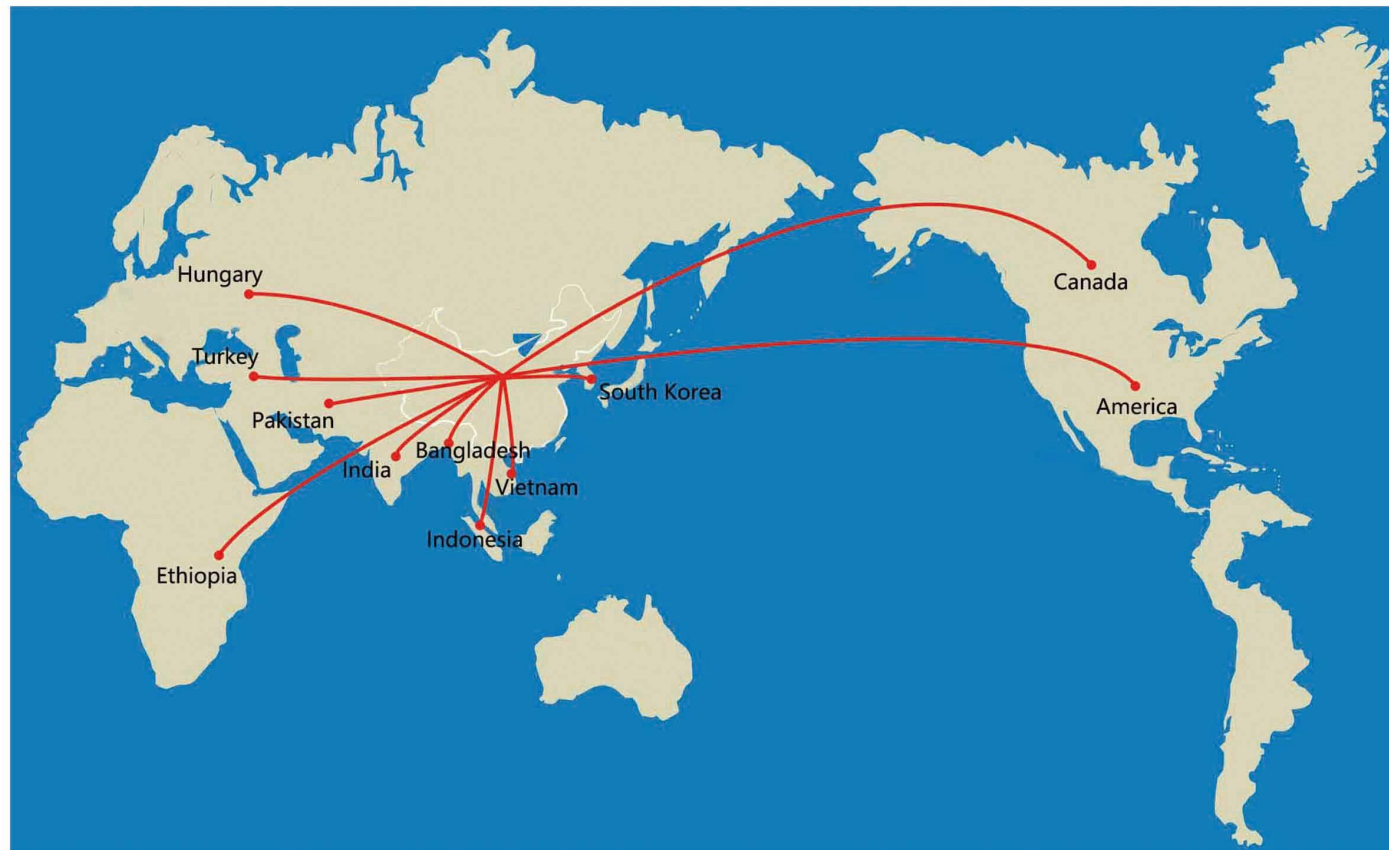
Guangzhou ZD Chemistry Co.,Ltd is a professional manufacturer of textile chemicals for more than 20 years of experience. Its products include bio-enzymes, pre-treatment & dyeing auxiliaries, finishing auxiliaries and washing auxiliaries.

ZD Chemistry establishes its own R&D center, and has a complete R&D system equipped with perfect experimental equipment, with advanced reactor, distillation tower, boiler, automatic filling tank, and other devices. Now it has become one of the famous enterprises in the field of research, development and production of textile chemistry.



SALES NETWORK

CERTIFICATE



EXHIBITION

Since the establishment, ZD Chemistry has been fulfilling its commitment of being a professional supplier and has developed many customers in textile fields, both home and abroad.

ZD Chemistry has expanded its sales network over 20 areas and regions in the world and export volume accounts for over 50% of its total sale which is expanding with its cutting edge technology advantage, well-known product quality and reasonable market pricing.



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Bio-enzymes

Stone Free Enzyme For Denim Washing

INTRODUCTION

Stone free enzyme is designed specially for denim abrasion process with no pumice stone. This product is used before desizing, or in one bath of desizing and denim washing to impart excellent abrasion with low back stain in bluish tone.

Appearance	White powder
PH	6.5-7.0
Dosage	0.5-1% (O.W.F)
Solubility	Soluble in water
Time	60-80min
Temperature	30°C~55°C



Cellulase Powder Enzyme ZD-133 For Denim Washing

INTRODUCTION

Cellulase powder enzyme ZD-133 is designed specially for wide temperature denim abrasion process. It is neutral cellulase, which acts on denim garments to impart excellent abrasion and low back staining.

Appearance	White powder
PH	5.5-7.0
Dosage	1-2% (O.W.F.)
Solubility	Easily soluble in water
Time	30-60min
Temperature	40°C~60°C (best at 55°C)



Cellulase Powder Enzyme ZD-168 For Denim Washing

INTRODUCTION

Cellulase powder enzyme ZD-168 is a kind of high concentrated neutral cellulase enzyme for textile denim abrasion process under wide temperature. It imparts excellent abrasion effect, high color contrast finish and low degree of indigo back staining.

Appearance	Light yellow powder
PH	5.5-7.0
Dosage	0.02-0.05% (O.W.F.)
Solubility	Easily soluble in water
Time	30-60min
Temperature	40°C~60°C (best at 55°C)



Cellulase Powder Enzyme ZD-169 For Textile Industry

INTRODUCTION

Cellulase powder enzyme ZD-169 is a kind of high concentrated enzyme, designed specially for wide temperature biopolishing and washing process with conversion to liquid form. It can effectively perform with reactive dyeing in one bath method.

Appearance	Light yellow powder
PH	5.5-7.5 (best 5.0-6.0)
Dosage	0.02-0.05% (O.W.F.)
Solubility	Totally soluble in water and reverse to liquid form
Time	15-60 min
Temperature	40°C~60°C (best at 45-55°C)



Cellulase Powder Enzyme ZD-52 For Textile Biopolishing

INTRODUCTION

Cellulase powder enzyme ZD-52 is high concentrated cellulase enzyme, designed specially for wide temperature biopolishing and washing process with conversion to liquid form. It has excellent biopolishing effect with clean and even fabric surface. It has good performance on the prevention of indigo back staining.

Appearance	Light yellow powder
PH	5.5-7.5 (best 5.0-6.0)
Dosage	0.02-0.05% (O.W.F.)
Solubility	Totally soluble in water and reverse to liquid form
Time	15-60 min
Temperature	40°C~60°C (best at 45-55°C)

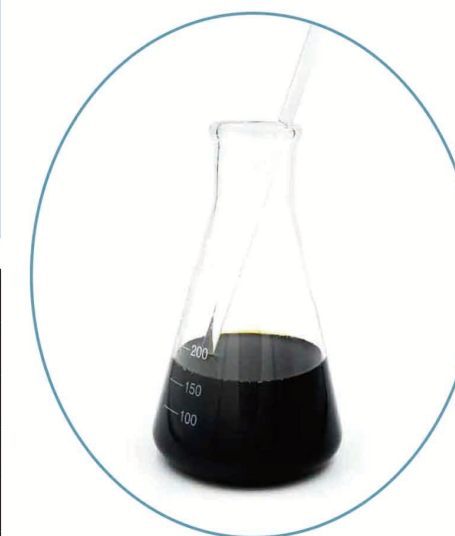


Cellulase Liquid Enzyme ZD-18 For Textile Biopolishing

INTRODUCTION

Cellulase liquid enzyme ZD-18 is high concentrated cellulase enzyme preparation. It is specially developed for fabric and garment biopolishing under acid condition. It improves the hand feel and appearance of fabrics and permanently reduces the tendency of pilling.

Appearance	Brown liquid
PH	4.5-6.0
Dosage	0.05-0.1% (O.W.F.)
Solubility	Easily soluble in water
Time	For dyeing 60-90min
Temperature	40°C~60°C (best at 55°C)



Cellulase Liquid Enzyme ZD-280 For Textile Biopolishing

INTRODUCTION

Cellulase liquid enzyme ZD-280 is specially developed for fabric and garment biopolishing. It improves the hand feel and appearance of fabrics and permanently reduces the tendency of pilling. It is suitable for finishing processes of cellulosic fabrics made of cotton, linen, viscose or lyocell.

Appearance	Brown liquid
PH	5.0-7.0
Dosage	0.1-0.2% (O.W.F.)
Solubility	Easily soluble in water
Time	For dyeing 60-90min
Temperature	40°C~60°C (best at 55°C)



Cellulase Liquid Enzyme ZD-19 For Textile Biopolishing

INTRODUCTION

Cellulase liquid enzyme ZD-19 is specially developed for fabric and garment biopolishing under neutral condition. It improves the hand feel and appearance of fabrics and permanently reduces the tendency of pilling. It has excellent biopolishing effect with clean and even fabric surface.

Appearance	Brown liquid
PH	5.0-7.0
Dosage	0.2-0.3% (O.W.F.)
Solubility	Easily soluble in water
Time	For dyeing 60-90min
Temperature	40°C~60°C (best at 55°C)



Catalase Liquid Enzyme For Textile Industry

INTRODUCTION

Catalase liquid enzyme is high concentrated industrial enzyme which converts hydrogen peroxide into water and oxygen effectively. It is widely used to remove hydrogen peroxide after textile oxygen bleaching or for waste water treatment.

Appearance	Brown liquid
PH	5.5-7.0
Dosage	0.002-0.005% (O.W.F.)
Solubility	Easily soluble in water
Temperature	30°C~60°C (best at 55°C)



Formaldehyde-free Fixing Agent

INTRODUCTION

Formaldehyde-free fixing agent is widely used in textile, printing and dyeing, paper making industries, etc.. It significantly improves the color fastness of direct and reactive dyes on fabrics.

Appearance	Clear yellow to yellowish brown liquid
Ionic	Anion
PH	5.0-6.0
Solubility	Soluble in water
Dosage	Dipping method: 3-5% (o.w.f.) Padding method: 15-30g /L



Pre-treatment & Dyeing Auxiliaries

Multi-functional Scouring Agent

INTRODUCTION

Multi-functional scouring agent has superior penetration, emulsifying, degreasing, dispersion, and detergent ability under the condition of strong alkali, high temperature and oxidant. It is suitable for pure cotton or blended knitting, woven fabric, hemp, wool, silk and other natural fibre.



Appearance	Clear yellowish to colorless liquid
Ionic	Anion/Non-ionic
PH	7.0±1
Solubility	Easily soluble in water
Dosage	1.0-3.0g/L

Low Temperature Soaping Agent

INTRODUCTION

Low temperature soaping agent is applicable to low temperature soap washing process of sulphur dyes, reactive dyes, direct dyes dyeing and printing. It is suitable for pure cotton and blended fabric to improve color fastness and remove color flooding on fabric surface.



Appearance	Clear yellowish to colorless liquid
Ionic	Anion/Non-ionic
PH	7.0±1
Solubility	Easily soluble in water
Dosage	1.0-3.0g/L

Finishing auxiliaries

Conc Fluffy Soft Oil ZD-555

INTRODUCTION

Conc fluffy soft oil ZD-555 is concentrated soft oil applied to towel and denim clothing washing processing to impart yarn and fabric ultra-fluffy soft feel. It is suitable for the soft finishing of various types of yarn, cotton, polyester and blended fabrics.

Appearance	Yellow viscous liquid
Ionic	Cation
PH	6.0-7.0
Solubility	Easily soluble in water
Dosage	Dipping method: 0.3-0.8% (o.w.f) Padding method: 5-10g / L



Deepening Silicone Oil ZD-633

INTRODUCTION

Deepening silicone oil ZD-633 is applicable to dyed cloth surface to improve color depth or brightness. It can react with the dye color group to increase the color depth of the fabric, and can appropriately reduce the amount of dyes and color fixing agent.

Appearance	Milky white liquid with bluish tinge
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 3-6% (o.w.f) Padding method: 30-50g / L



Non-yellowing Silicone Oil ZD-630

INTRODUCTION

Non-yellowing silicone oil ZD-630 is developed for all kinds of cellulose fiber fabric and its blended fabric. It imparts fabric smooth and soft feel, especially suitable for cotton, denim and blended fabric finishing. It can maintain the original style with no yellowing problem.

Appearance	Yellowish to milky white liquid with bluish tinge
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 3-5% (o.w.f) Padding method: 10-30g / L



Fluffy Hydrophilic Silicone Oil ZD-635

INTRODUCTION

Fluffy hydrophilic silicone oil ZD-635 is suitable for cotton, polyester, nylon and its blended textile, which can impart fabric fluffy and hydrophilic performance with durable softness. It improves anti-wrinkle performance of the fabric.

Appearance	Yellowish viscous liquid
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 1.0-3% (o.w.f) Padding method: 20-50g / L



Ultra-hydrophilic Silicone Oil ZD-636

INTRODUCTION

Ultra-hydrophilic silicone oil ZD-636 is a kind of high-grade hydrophilic soft finishing agent, which can make the fabric soft, hydrophilic and comfortable performance, durable softness and lubrication, especially suitable for cotton and blended fabric finishing.



Appearance	Transparent to clear yellowish liquid
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 3.0-5.0% (o.w.f) Padding method: 30-60g / L

Smooth Soft Silicone Oil ZD-637

INTRODUCTION

Smooth soft silicone oil ZD-637 is a kind of high-grade silicone oil softener, which can make the fabric elastic, soft and ultra-smooth with durable lubrication, especially suitable for cotton and blended fabric finishing.



Appearance	Milky white liquid
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 2.0-3.0% (o.w.f) Padding method: 20-40g / L

Ice Silicone Oil ZD-638

INTRODUCTION

Ice silicone oil ZD-638 is a kind of high-grade silicone oil, which significantly improve the smoothness, softness and ice feeling of the fabric, especially suitable for cotton, chemical fiber, and its blended fabric, etc.



Appearance	Milky white liquid with bluish tinge
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 3.0-5.0% (o.w.f) Padding method: 30-50g / L

Elastic Thick Silicone Oil ZD-639

INTRODUCTION

Elastic thick silicone oil ZD-639 is a kind of high-grade silicone oil, which significantly improve the softness, thickness and elasticity of the fabric, especially suitable for cotton, chemical fiber, and its blended fabric, etc.



Appearance	Milky white liquid
Ionic	Weak cation
PH	5.5-6.5
Solubility	Easily soluble in water
Dosage	Dipping method: 2.0-4.0% (o.w.f) Padding method: 30-50g / L

Washing Auxiliaries

Anti Back Stain Agent ZD-100 For Denim Washing

INTRODUCTION

Anti back stain agent ZD-100 is a new type of high concentration chemical. It has excellent dispersion ability, outstanding ability of indigo and dye resistance. It makes the white pocket cleaner with no elasticity loss on fabric.

Appearance	Off-white paste
Ionic	Non-ionic
PH	6.0-7.0
Solubility	Soluble in water
Dosage	0.05-0.1% (o.w.f)

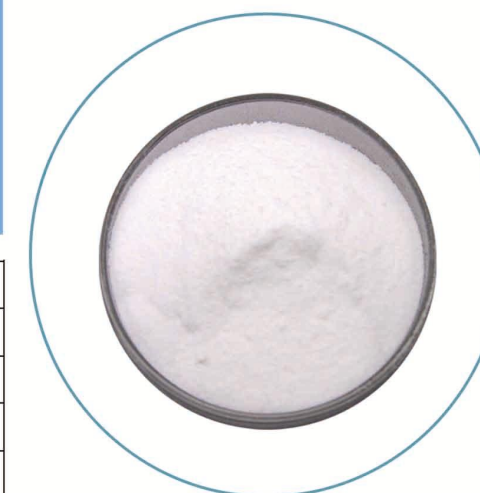


Anti Back Stain Powder ZD-309 For Denim Washing

INTRODUCTION

Anti back stain powder ZD-309 is compound of polyester and polyester, which completely solves the problem of back staining in denim garments during desizing and washing process. It is extremely easy to use and has no elasticity damage on fabric.

Appearance	White powder
Ionic	Non-ionic
PH	6.0-7.0
Solubility	Easily soluble in water
Dosage	0.1-0.2%(o.w.f)



Anti Back Stain Agent ZD-302 For Denim Washing

INTRODUCTION

Anti back stain agent ZD-302 is high concentrated compound chemical, developed for denim washing and desizing process. It has good performance of anti back stain on denim. It maintains the original style without elasticity damage.

Appearance	Colorless to light yellow viscous liquid
Ionic	Non-ionic
PH	6.0-7.0
Solubility	Soluble in water
Dosage	0.05-0.1%(o.w.f)



Lycra Protector For Desizing&Washing

INTRODUCTION

Lycra protector is used to prevent the shrinkage and fracture of lycra, spandex and yarn elastic fabric. Also, it prevents the displacement between the fibers and enhances the overhang sensation when used in soft fabric.

Appearance	Colorless transparent liquid
Ionic	Non-ionic
PH	7.0-8.0
Solubility	Soluble in water
Dosage	0.5-1g / L

