



PRODUCT CATALOGUE

www.goksinkimya.com.tr

Corporate

We, as ZGK Gökşin Kimya Company, which was founded in 1990 and was founded by Zafer Gökşin, are the manufacturer and supplier of various chemicals. We produce textile chemical auxiliaries and supply main chemicals and dyestuffs in our facility.

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COMPANY ABOUT US

*“ We produce for the nature,
we are exist as long as we produce. ”*



In our early years, while we were providing our products to the local firms; during the time, we kept our eye on the top at our field and we grew up step by step with steadiness. In the present time, while we are becoming one of the pioneer brands of our sector, at the same time we are also holding a large product range in our constitution and we supply our goods in a global business network. By the experiences of the 32 years, we are fulfilling our customers' requests our best by all that steadiness and trust we have gained within the years.

Our firm has been established to provide the highest service quality in a best possible way for our customers since the very beginning of its time. We are so proud to declare that our firm's appearance in the business world is remarkable and we are highly comfortable while saying the fact that we are known as, regarding to feedbacks and customer's dialogue, trustworhty, ethic and a real business people in the sector.

Our business model includes being solution oriented and customer friendly, offering high quality products with the good prices, assisting our customers' orders in all phases from very beginning to the end and providing our clients' needs as the fastest possible way. To achieve and to keep maintain all these standarts and the quality, we definitely believe how precious is having a great team and an efficient team work. That is why we embrace our teammates as our priority. We extra pay attention to their working conditions, working environment and working methods. As a mutual process, we choose them and they also choose us. We undertakes all those required features to make sure that our persistence maintains. We believe the fact that he way how we work and the way how we approach and handle the process is our identity. Depending on that, our teammates working in such a healthy atmosphere creates an active and functional working enviroment by revealing maximum effect within the process. In a result of that, we clearly observe the positive effects of this approach on both our customers and our teammates.



BUFFER ACIDS

- **BERGACID ABS**
- **BERGACID ABS CONC**
- **BERGACID TP**

BERGACID ABS

CHEMICAL STRUCTURE : Organic acids' blend

APPEARANCE : Transparent, Clear liquid

IONIC CHARACTER : Non-ionic

CHARACTERISTICS

- Acid buffering is used for setting bath and fiber's PH value.
- Through its high buffering specification, the product provides permanent PH value in all process' (Combined Bleaching, Continue Combined bleaching, Mercerization, PES Dyeing etc.).
- Easily dissolves in the water.
- In softening and finishing bath process, it removes the risk of yellowing.
- The product does not harm fibers and the machine equipment.

APPLICATION

Pre-treatment, Dyeing Process and Neutralization Process of Cotton Products;

Overflow - Jet : 0,5 - 1,0 gr/lit

Continue Systems : 1,0 - 4,0 gr/lit (In Neutralization process, pH value rank must be 4 - 6)

PES Dyeing Process;

0,5 - 1,0 gr/lit

BERGACID ABS CONC

CHEMICAL STRUCTURE : Organic acids' blend

APPEARANCE : Transparent, Clear liquid

IONIC CHARACTER : Non-ionic

CHARACTERISTICS

- The product is an acid buffering, which is used for setting bath and fiber's PH value.
- Through its high buffering specification, the product provides permanent PH value in all process' (Combined Bleaching, Continue Combined bleaching, Mercerization, PES Dyeing etc.).
- Easily dissolves in the water.
- It removes the risk of yellowing in softening and finishing bath process.
- The product does not harm fibers and the machine's equipment.

APPLICATION

Pre-treatment, Dyeing Process and Neutralization Process of Cotton Products;

Overflow - Jet : 0,3 - 1,0 gr/lit

Continue Systems : 0,5 - 3,0 gr/lit (In Neutralization process, pH value range must be 4 - 6)

PES Dyeing Process;

0,3 - 1,0 gr/lit

BUFFER ACIDS

BERGACID TP

CHEMICAL STRUCTURE : Organic acids' blend

APPEARANCE : Transparent, Clear liquid

IONIC CHARACTER : Non-ionic

CHARACTERISTICS

- The product is an acid buffering, which is used for setting bath and fiber's PH value.
- Through its high buffering specification, the product provides permanent PH value in all process' (Combined Bleaching, Continue Combined bleaching, Mercerization, PES Dyeing etc.).
- Easily dissolves in the water.
- It removes the risk of yellowing in softening and finishing bath process,
- The product does not harm fibers and the machine's equipment.

APPLICATION

Pre-treatment, Dyeing Process and Neutralization Process of Cotton Products;

Overflow - Jet : 0,5 - 1,5 gr/lit

Continue Systems : 1,0 - 5,0 gr/lit (In Neutralization process,
pH value range must be 4 - 6)

PES Dyeing Process;

0,5 - 1,5 gr/lit

WETTING AGENTS

- **BERGAWET ANY**
- **BERGAWET ANY S**
- **BERGAWET YS**
- **BERGAWET YS CONC**

BERGAWET ANY

CHEMICAL STRUCTURE: Synergistic blend of anionic surface active agent

APPEARANCE : Yellowish , Transparent liquid

IONIC CHARACTER: Anionic

CHARACTERISTICS

- The product can blend with water at any ratio.
- It has resistance to alkaline, acidic places and hard water.
- The product, which is foam regulated, also has effective features on wetting and washing in both cold and hot applications.
- It provides high whitening performance and hydrophilicity.
- It can be used for the baths which include Caustic Soda (Sodium Hydroxide) up to 120Be in it.
- It is suitable to be used for automation systems.

APPLICATION

In Combined Bleaching Process ;

Exhaust method ; 1,0 – 2,0 gr/lit

Padding method ; 5,0 – 10,0 gr/lit

Continuous systems ; 1,0 – 2,0 gr/lit

BERGAWET ANY S

CHEMICAL STRUCTURE : Synergistic blend of anionic surface active agent

APPEARANCE : Yellowish , Transparent liquid

IONIC CHARACTER : Anionic

CHARACTERISTICS

- The product can blend with water at any ratio.
- It has resistance to alkaline, acidic places and hard water.
- The product, which is foam regulated, also has effective features on wetting and washing in both cold and hot applications.
- It provides high whitening performance and hydrophilicity.
- It can be used for the baths which include Caustic Soda (Sodium Hydroxide) up to 50Be in it.
- It is suitable to be used for automation systems.

APPLICATION

In Combined Bleaching Process ;

Exhaust method ; 1,0 – 4,0 gr/lit

Padding method ; 10,0 – 20,0 gr/lit

Continuous system ; 2,0 – 5,0 gr/lit

WETTING AGENTS

BERGAWET YS

CHEMICAL STRUCTURE : Synergistic blend of non-ionic materials

APPEARANCE : Transparent, Clear liquid

IONIC CHARACTER : Non-ionic

CHARACTERISTICS

- The product has wetting and oil remover specialty, which can be used for cotton and its mixtures's pre-treatment process.
- Through its strong oil removing performance, the product removes oil and stains which is caused by knitting/voven applications and comes from cotton's own structure.
- It provides high hydrophility and whiteness for cotton based fabrics.
- It is a foam regulated product, which provides solid efficient work in high speed machines.
- It has strong washing and dispersing performances.
- It is suitable for automation system.

APPLICATION

In Pre-dyeing stage and White Combined Bleaching Process

According to Exhaust Method for Cotton Products ;

0,5 - 2 gr/lit can use

In Scouring Bath by Exhaust Method of Cotton Products ;

2,0 - 8,0 gr/lit can use

In Continuous Combined Bleaching Process ;

2,0 - 8,0 gr/lit can use

BERGAWET YS CONC

CHEMICAL STRUCTURE : Synergistic blend of non-ionic materials

APPEARANCE : Transparent, Clear liquid

IONIC CHARACTER : Non-ionic

CHARACTERISTICS

- The product has wetting and oil remover specialty, which can be used for cotton and its mixtures's pre-treatment process.
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- It provides high hydrophility and whiteness for cotton based fabrics.
- It is a foam regulated product, which provides solid efficient work in high speed machines.
- It has strong washing and dispersing performance.
- It is suitable for automation system.

APPLICATION

In Pre-dyeing stage and White Combined Bleaching Process

According to Exhaust Method for Cotton Products ;

0,5 - 1 gr/lit can use

In Scouring Bath by Exhaust Method of Cotton Products ;

2,0 - 5,0 gr/lit can use

In Continuous Combined Bleaching Process ;

2,0 - 5,0 gr/lit can use



COMBINED BLEACHING AGENT

- **BERCOM NK**
- **BERCOM NK CONC**

BERCOM NK

CHEMICAL STRUCTURE: Synergistic blend of non-ionic materials

APPEARANCE: Transparent, Clear Liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

- This product is a combined bleaching agent, which contains ion holder, used during bleaching process of cotton based fabrics, stabilizer and wetting agent's effects within.
- Through its dispersant features, it presents safe working environment in Hydrogen Peroxide bath by holding metal ions, which come from the fabric and the water.
- It is suitable for working on wide PH value range.
- Mixable with water at any ratio
- It provides strong whitening performance and hydrophilicity for the cotton products.

APPLICATION

In Combined Bleaching Bath According to Exhaust Method for Cotton Products;

0,5 - 1 gr/lit could use

COMBINED BLEACHING AGENT

BERCOM NK CONC

CHEMICAL STRUCTURE: Synergistic blend with non-ionic materials

APPEARANCE: Transparent, Clear Liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

This product is a combined bleaching agent, which contains ion holder, used during bleaching process of cotton based fabrics, stabilizer and wetting agent's effects within

Through its dispersant features, it presents safe working environment in Hydrogen Peroxide bath by holding metal ions, which come from the fabric and the water.

It is suitable for working on wide PH value range.

Mixable with water at any ratio

It provides strong whitening performance and hydrophilicity for the cotton products.

APPLICATION

In Combined Bleaching Bath According to Exhaust Method for Cotton Products;

0,5 - 1 gr/ltr could use

ION HOLDER - SOAP

- **BERGAWASH SCA**
- **BERGAWASH SCA CONC**

BERGAWASH SCA

CHEMICAL STRUCTURE: Synergistic blend with anionic materials

APPEARANCE: Yellowish, Clear Liquid

IONIC CHARACTER: Anionic

CHARACTERISTICS

- It is a wetting agent which helps remove the ions in dyeing bath and prevents any risk of unlevelness.
- It is a reactive dye washing agent which is used for removal of hydrolyzed reactive dyes after reactive dyeing and printing process of cotton products
- This product is a foamless washing agent used for removal of hydrolyzed dyestuffs.
- It prevents stains, dirt and dyestuff particles on fabric's surface due to its dispersant feature beside of removing hydrolyzed dye from fabric's surface.
- Mixable with water in any ratio.
- It is suitable for using in continuous machines and discontinuous machines both.
- It increases the fastness of rubbing and washing in dyed and/or printed fabrics.
- It resists against electrolytes and alkalis.

APPLICATION

BERGAWASH SCA CONC easily dissolves in the water.

The below quantities are suggested to be used for the boiling temperature depending on the color of the fabric.

For the light colors: 0,1 - 1,0 g/l,

For the dark color: 0,2 - 1,0 g/l,

*In required cases, it might be advised to have another soaping process.

ION HOLDER - SOAP

BERGAWASH SCA CONC

CHEMICAL STRUCTURE: Synergistic blend with anionic materials

APPEARANCE: Yellowish, Clear Liquid

IONIC CHARACTER: Anionic

CHARACTERISTICS

- It is a wetting agent which helps remove the ions in dyeing bath and prevents any risk of unlevelness.
- It is a reactive dye washing agent which is used for removal of hydrolyzed reactive dyes after reactive dyeing and printing process of cotton products
- This product is a foamless washing agent used for removal of hydrolyzed dyestuffs.
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- Mixable with water in any ratio.
- It is suitable for using in continuous machines and discontinuous machines both.
- It increases the fastness of rubbing and washing in dyed and/or printed fabrics.
- It resists against electrolytes and alkalis.

APPLICATION

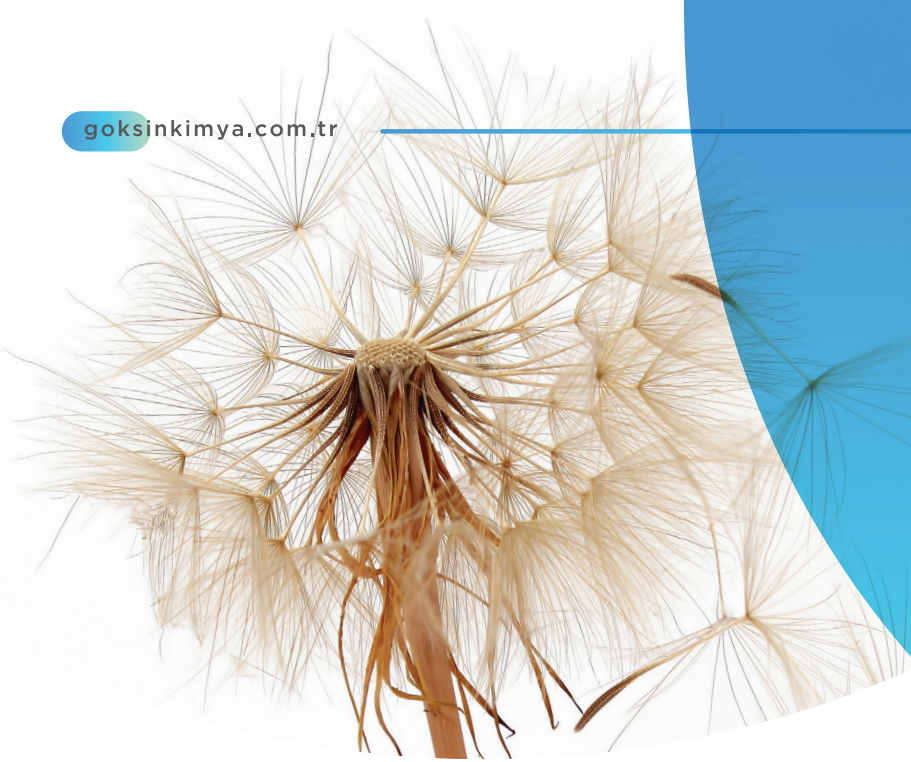
BERGAWASH SCA CONC easily dissolves in the water.

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For the light colors: 0,1 - 1,0 g/l,

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*In required cases, it might be advised to have another soaping process.



HYDROPHILE SILICONE

- **BERGASIL HN NEW**
- **BERGASIL HX**
- **BERGASIL GHN**

BERGASIL HN NEW

CHEMICAL STRUCTURE: The blend of amino functional silicones

APPEARANCE: Milky transparent liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

- Mixable with the water in at any ratio.
- It provides excellent fullness, surface lubricity and soft touch for applied fabrics.
- It is suitable for using all cotton and cotton/synthetic blends which is required to have high hydrophilicity performance.
- It does not have any risk of yellowing or stain in suggested application conditions.
- It is suitable for exhaust method and continue process.

HYDROPHILE SILICONE

BERGASIL HX

CHEMICAL STRUCTURE: The blend of amino functional silicones

APPEARANCE: Milky transparent liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

- Mixable with the water in at any ratio.
- It provides excellent fullness, surface lubricity and soft touch for applied fabrics.
- It is suitable for using all cotton and cotton/synthetic blends which is required to have high hydrophility performance.
- It does not have any risk of yellowing or stain in suggested application conditions.
- It is suitable for exhaust method and continue process.

APPLICATION

For Exhaust Method;

Amount of usage	%1,0 - % 5,0
pH Value of the bath	4,5 - 5,5
Temperature	40 - 50 0C
Time	10 - 20 dk.

For Continue Process;

Amount of usage	5,0 - 40,0 gr/lit
pH value of the bath	4,5 - 5,5
Flotte	% 60 - 70



HYDROPHILE SILICONE

BERGASIL GHN

CHEMICAL STRUCTURE: The blend of amino functional silicones

APPEARANCE: Milky-white transparent liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

- Mixable with water in any ratio
- It provides excellent fullness, surface lubricity and soft touch for applied fabrics.
- It is suitable for using all cotton and cotton/synthetic blends which is required to have high hydrophilicity performance.
- It does not have any risk of yellowing or stain in suggested application conditions.
- It is suitable for exhaust method and continue process.

APPLICATION

For Exhaust Method;

Amount of usage	% 0,5 - % 4,0
pH Value of the bath	4,5 - 5,5
Temperature	40 - 50 OC
Time	10 - 20 dk.

For Continue Process;

Amount of usage	5,0 - 40,0 gr/lit
pH value of the bath	4,5 - 5,5
Flotte	% 60 - 70





SOFTENING

- **BERGASOFT AS**
- **BERGASOFT NNY**
- **BERGASOFT KTY**
- **BERGASOFT PES**

BERGASOFT AS

CHEMICAL STRUCTURE: The blend of amino functional silicones

APPEARANCE: Milky-white transparent liquid

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

- Mixable with water at any ratio.
- It provides high fullness, surface lubricity and soft touch for applied fabric.
- It is suitable for using all cotton and cotton/synthetic blends.
- It does not have any risk of yellowing or stain in suggested application conditions.
- It is suitable for exhaust method and continue process.

APPLICATION

For Exhaust Method;

Amount of usage	% 0,5 - % 4,0
pH Value of the bath	4,5 - 5,5
Temperature	40 - 50 OC
Time	10 - 20 dk.

For Continue Process;

Amount of usage	5,0 - 40,0 gr/lit
pH value of the bath	4,5 - 5,5
Flotte	% 60 - 70

SOFTENING

BERGASOFT NNY

CHEMICAL STRUCTURE: The Condensation of Fatty Acid

APPEARANCE: Creme (Light Color) emulsion

IONIC CHARACTER: Non-ionic

CHARACTERISTICS

It is a softening agent for cellulosic, synthetic fibres and its blends

It provides excellent fullness, surface lubricity and softness.

It has resistance to hard water.

It is suitable for using with cationic, non-ionic an anionic materials together. The stability test for bath is suggested for safety

It is suitable for exhaust method and continue process.

APPLICATION

For Exhaust Method;

For Cotton and Wool	: % 1,5 - 3,0
For Viscose	: % 1,0 - 2,0
Polyester and Polyamide	: % 2,0 - 3,0
Polyacrylic Fiber	: % 2,0 - 2,5

In Continue Process;

For Cotton and Wool	: 15 - 30 g/l
For Viscose	: 10 - 20 g/l
Polyester and Polyamide	: 20 - 30 g/l
Polyacrylic Fiber	: 20 - 25 g/l



SOFTENING

BERGASOFT KTY

CHEMICAL STRUCTURE: The Condensation of Fatty Acid

APPEARANCE: Creme (Light Color) emulsion

IONIC CHARACTER: Cationic

CHARACTERISTICS

- It is a softening agent for cellulosic, synthetic fibres and its blends
- It provides excellent fullness, surface lubricity and softness.
- It has resistance to hard water.
- It is suitable for using with cationic, non-ionic and anionic materials together. The stability test for bath is suggested for safety

APPLICATION

For Exhaust Method;

For Cotton and Wool	: % 1,5 - 2,0
For Viscose	: % 1,0 - 1,5
Polyester and Polyamide	: % 2,0 - 3,0
Polyacrylic Fiber	: % 2,0 - 2,5

In Continue Process;

For Cotton and Wool	: 75 - 100 g/l
For Viscose	: 50 - 75 g/l
Polyester and Polyamide	: 100 - 150 g/l
Polyacrylic Fiber	: 100 - 125 g/l

SOFTENING

BERGASOFT PES

CHEMICAL STRUCTURE: The blend of antistatic organic materials

APPEARANCE: Creme (Light Color) Emulsion

IONIC CHARACTER: Nonionic

CHARACTERISTICS

- It provides permanent performance and antistatic properties in dyeing bath for the huge weight of polyester fabrics for the clothes and upholstery fabrics.
- It prevents the fructures in dyeing bath by reducing friction coefficient.
- It provides permanent softness and unstructured properties for the fabric.
- It prevents the accumulation of static electricity and makes easier the raising process.
- It is suitable for using in exhaust method and continue process.

APPLICATION

In Exhaust Method:

In PES dyeing bath: 2-4 g/l

In Continue Process:

For PES dyeing: 20-40 g/l



STABILIZER

BERGASTAP SM

CHEMICAL STRUCTURE: Synergistic Blend of Organic Materials

APPEARANCE: Yellowish, Transparent Liquid

IONIC CHARACTER: Anionic

CHARACTERISTICS

- It is suitable for using as stabilizer in any kind of Hydrogen Peroxide Bleaching process
- Because of not containing silicate its basis, the product provides better soft touch for the fabric.
- It keeps its stabilizer affect during the combined bleaching process as having resistance of oxidation.
- It prevents foaming in bleaching process.
- It prevents accumulation of silicate in machine by the affect of dispersant.

APPLICATION

In Jigger Bleaching Bath;

2.00 - 4.00 ml/l WETTING AGENT
3.00 - 5.00 ml/l BERGASTAP SM
4.00 - 5.00 ml/l NaOH (48 Be)
5.00 - 8.00 ml/l H₂O₂ (% 50)

In Cold Bleaching Bath;

6.00 - 10.0 g/l WETTING
5.00 - 8.00 g/l BERGASTAP SM
4.00 - 6.00 g/l İYON TUTUCU
25.0 - 50.0 g/l NaOH (48 Be)
20.0 - 100.0 g/l H₂O₂ (% 50)
- 8.00 g/l PERSÜLFAT

FIXATOR

BERGAFIX GF

CHEMICAL STRUCTURE: Polymer Solution

APPEARANCE: Transparent clear liquid

IONIC CHARACTER: Cationic

CHARACTERISTICS

It is a reactive dye and printing fixator, which is suitable for dyeing on it and does not have Formaldehyde within its basis.

It provides excellent performance on its fastness' to perspiration, water, wash, rubbing/crocking (both dry and wet) on the applied dyed goods.

It has resistance of hard water and acidic environment.

It is suitable for using with softening agents.

It can not be used with anionic materials due to its cationic character.

It is suitable for being used in all cellulosic fibers.

APPLICATION METHODS

In Exhaust Method;

Bergafix GF must be applied after washing, printing and fixing process' on the fabrics that is dyed directly and that will be printed by abrasion.

APPLICATION

For Exhaust Method;

THE AMOUNT OF USAGE	10,0 - 40,0 gr/lit
pH VALUE	5,0 - 5,5
TEMPERATURE	30-40 OC

ENZYMES

- **BERGANZYM ANT CONC**
- **BERGANZYM PLN**

BERGANZYM ANT CONC

CHEMICAL STRUCTURE: Catalase Enzyme

APPEARANCE: Brown Liquid

CHARACTERISTICS

- The product is used for removing Hydrogen Peroxide, which is used in bleaching process, by converting into water and oxygen.
- It does not create the problems, which are created by other inorganic materials. That is why, it prevents possibility of any color changing caused by reducing agents and Hydrogen Peroxide.
- It dramatically decreases the preparation time for dyeing process by not being required any additional process.
- It economizes energy consumption and number of bath process.
- The product enables you to dye in Anti-Peroxide Bath because of not able to have a reaction to dyestuffs and other chemicals.
- It removes the usage of any kind of materials which damage the environment like bisulfite.
- It is a completely biodegradable product.
- Enzymes and particles, which emerge in a result of this process, do not have any negative affect on dye.

APPLICATION

For Exhaust Method;

AMOUNT OF USAGE	0.025-0.075 g/litre
TEMPERATURE	40-60 O C
pH VALUE RANGE	4- 9
TIME	10- 20 Minutes

ENZYMES

BERGANZYM PLN

CHEMICAL STRUCTURE: Cellulase Enzyme

APPEARANCE: Brown Liquid

CHARACTERISTICS

- It is used for cellulosic fabrics and cellulase blended fabrics, which have pilling or have a tendency of pilling during
- It provides excellent soft touch for the fabric.
- It significantly improves the hydrophilicity properties of the fabric.
- It makes the fabric clean by removing the tiny fibres on the fabric's surface and helping pilling.
- The level of re-dyeing, which emerged in the pilling process of denim fabrics, is dramatically low in this enzyme.
- It provides effective surface finishing after the product's applied. So that, it gives brighter and vivid appearance to the fabric.

APPLICATION

For Exhaust Method;

THE AMOUNT OF USAGE	% 0.5-0.1 of the total weight
TEMPERATURE	50-60 O C
pH VALUE RANGE	6.0-6.5

ANTIFOAMING AGENTS

BERGAVO FR

CHEMICAL STRUCTURE: The blend of nonionic materials

APPEARANCE: Transparent clear liquid

IONIC CHARACTER: Nonionic

CHARACTERISTICS

- It is used as foamless anti-fructure in dyeing and bleaching process' of cotton, wool, polyester, polyamide, polyacrylic and theirs blends.
- It prevents all kinds of fracture.
- It provides softness and lubricity properties for the fabrics in bleaching and dyeing process'. So that, it prevents any fructure.
- It provides excellent unshrinkability properties for wool.
- Soluable in the water at any ratio.
- It has resistance to hard water, alkaline and acidic environments.
- It has resistance to salt and caustic soda concentrations up to 200 gr/lit.
- It is suitable for being used in HT requirements.



“ WE PRODUCE FOR **THE NATURE**,
WE EXIST AS LONG AS WE PRODUCE. ”



ZGK

GÖKŞİN

KİMYA



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