

Serial Wetter Resistant to Costic

A wetting, dispersing and equalizing material in boiling, kiering, sizing, size extracting, bleaching, carbonising and dyeing.

CHEMICAL COMPOSITION: A balanced combination of surface active materials.

PROPERTIES

- : * Yellow colour, consistent material with anionic-nonionic character.
- * Resistant against 15° Be NaOH, hard water and acids at room temperatures and its wetting and dispersing characteristics is fully effective.
- * Does not cause foaming.
- * It ensures high wetting and dispersing effect in chloride, hypochloride and peroxide bleaching.
- * Emulsifies oils and soils and removes them from the environment.
- * It also draws attention with its rendering whiteness, apart from wetting effect, in kiering and boiling.
- * High hydrophily is ensured in cottons treated with **EROWET UK-P**.

APPLICATION TECHNIQUE:

Sizing and finishing

- In the processes of sizing and finishing, it ensures uniform absorption of solution over the article.

Size extracting

- Thanks to its high wetting effect, it facilitates the process of size extracting. Depending on the effect of squeezing and type of size and fabric, **EROWET UK-P** is given in 0.5-3.0 gr/ltr. to the bath.

Kiering

- In kiering of cottons, apart from required alkali quantities, **EROWET UK-P** 0.1-0.2 % ensures desired hydrophily and, at the same time, removes wastes from and this clean cotton. 0.5-1.5 % gr/ltr is sufficient in Jigger boiling.

In exhaust dyeing : 0.5-1.0 g/ltr

Continuous cold bleaching : 5.0-7.0 g/ltr

Continuous hot bleaching : 1.0-3.0 g/ltr

In dye baths : 0.3-0.5 g/ltr

Note : Only directing recommendation can be given depending on system and machinery used in bleaching baths. Usage quantity depends on contact time in impregnation and continuous system. On the other hand, the passing speed of fabric, weft-warp intensity, wetness or dryness of fabric are other factors.

STORAGE

- : Storage life is minimum 1 year in original packaging.

PACKAGING

- : Plastic drums of 65 and 130 kg.

[The above data are given as a general information. Since processing conditions and application systems are beyond our control, such data are not legally binding for us. Our technical service is ready to assist you for all your technical problems.]

EROWET AWC

Multi Purpose Wetting Agent

Due to its power to provide high hydrophilicity, it is used at dyeing and printing, bleaching and peroxide bleaching in continuous and discontinuous systems.

CHEMICAL COMPOSITION: It is a balanced combination of etoxile and surfactants.

PROPERTIES :

- * It is anionic-nonionic
- * Resistant to acids, hard waters, reducing and oxidising agents.
- * Resistant to caustic up to 80 gr/lit.
- * It ensures trouble free operation in terms of foam.
- * Due to its dispersing property, it suspends dirt and prevents them precipitate on fabric.
- * It is a perfect washing agent.

APPLICATION TECHNIQUE:

- Readily dissolves even in cold water.
- At bleaching
 - Overflow : 0.5-1.5 gr/lit
 - Continuous : 6.0-8.0 gr/lit
 - Pad-batch : 6.0-9.0 gr/lit
- At dyeing
 - Pad-batch : 1-2 gr/lit
 - Batic dyeing : 0.5-1.0 gr/lit
 - Preparation for printing : 1-4 gr/lit

STORAGE : 1 year in original packing provided not left open.

PACKAGING : Plastic drums of 65 kg.

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EROWET US-L

Wetting Agent

An auxiliary agent in boiling, kiering, sizing, size extracting, bleaching, carbonising and dyeing.

CHEMICAL COMPOSITION: A balanced combination of surface-active agents.

PROPERTIES

- : * A balanced mixture of anionic and nonionic agents.
- * It is resistant to 15⁰ Be in NaOH baths at room temperature and boiling temperatures.
- * Has high wetting effect.
- * Does not cause foaming.
- * Resistant against hard water and acids.
- * Ensures a good wetting and dispersion in the peroxide, hypochloride, chloride bleaching, the carbonising treatments and the dyeing of cottons.
- * Emulsifies and removes oil and soils from the environment.
- * It is used in boilers for pre-washing, package dyeing, pre-kiering and fabric preparation.
- * Has high hydrophilic characteristic.

APPLICATION TECHNIQUE: It is recommended to use between 0.5-3.0 g/l, taking into consideration the general operating conditions in terms of the field of usage.

STORAGE : Storage life is minimum one year in original packaging.

PACKING : Plastic drums of 65 and 130 kg.

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EROWET UK-L

Multi-functional Serial Wetting Agent.

An auxiliary agent
in boiling, kiering, size extracting and
dyeing.

CHEMICAL COMPOSITION: A mixture of wetting agents heavily nonionic.

PROPERTIES

- : * Mixture of nonionic and anionic.
- * Resistant to alkalies, electrolytes, oxidants and reductive agents.
- * Resistant to hard water and at boiling temperatures and ensure a serial wetting.
- * A very good washing, dispersing, equalizing and emulsifying agent.
- * Used as wetting agent in the process of cotton kiering in the rope dyeing machine, boiler, jigger and similar apparatus.
- * Has high hydrophily characteristic.
- * Thanks to its dispersing and emulsify characteristics in kiering and bleaching baths, it suspends oil and soils in the bath.
- * Has a high hydrophily in kiering of cotton bobbins in autoclave and emulsifies foreign materials on the cotton.
- * A high hydrophily and bleaching degree is obtained by using in all kinds of bleaching baths.
- * It facilitates size extracting thanks to its high wetting effect

APPLICATION TECHNIQUE: It is recommended to use 0.5-0.2 g/lit depending on alkali quantity required, operating conditions and type of fabric.
Note : Only directive recommendations may be given depending on system and machinery used in the bleaching baths. Usage quantity depends on contact time in impregnation and continuous system. On the other hand, the passing speed of fabric, weft intensity, wetness or dryness of fabric are other factors.

STORAGE : Storing life is minimum one year in original packaging.

PACKAGING : Plastic drums of 65 and 130 kg.

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EROWET NW-50

Nonionic Wetting Agent

It is a wetting agent particularly recommended at enzymatic size removing baths.

CHEMICAL COMPOSITION: It is a combination of fat alcohols and surfactants.

PROPERTIES :

- * Since it is fully nonionic, it is used for removing enzymatic size removal.
- * It makes no foam at continuous and discontinuous systems.
- * It promotes hydrophil property solving fat and wax in cotton.
- * Since it is nonionic, it complies with anionics, cationics and optics.
- * It is used to promote penetration.

APPLICATION TECHNIQUE:

- At drafting tank	: 0.5-1.5 gr/ltr
- At continuous system	: 10-15 gr/ltr
- At size removing	: 1.5-3.0 gr/ltr

STORAGE : 1 year in original packing.

PACKAGING : Plastic drums of 60 kg.

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EROWET UWA

Serial Wetter Resistant to Costic

boiling,
and
kiering, sizing, size extracting, bleaching, carbonising
dyeing.

CHEMICAL COMPOSITION: A balanced combination of surface active materials.

PROPERTIES :

- * A material is an anionic-noninonic character, at light yellow colour-from colourless, viskos.
- * It ensures extracting and wetting of air in fiber fastly.
- * Resistant against 10⁰ Be NaOH, hard water and acids at room temperatures and its wetting and dispersing characteristics is fully effective.
- * Does not cause an unwanted foam at applications.
- * It is used wet procedure in specially thick weave gabardine, felt, thick fabric and similar textile products.
- * Serial wetter of effect is well for hot and cold textile applications.
- * It ensures high wetting and dispersing effect in chloride, hypochloride and peroxide bleaching.
- * Emulsifies oils and soils and removes them from the environment.
- * It also draws attention with its rendering whiteness, apart from wetting effect, in kiering and boiling.
- * High hydrophily in ensured in cottons tracted with **EROWET UWA.**
- * In the processes of sizing and finishing, it ensures uniform absorbtion of solution over the article.

APPLICATION TECHNIQUE: 0.5-1.5% gr/lit. is sufficient in Jigger boiling.

In exhaust dyeing	: 0.5-1.0 g/lit
Continuous cold bleaching	: 5.0-7.0 g/lit
Continuous hot bleaching	: 1.0-3.0 g/lit
In dye baths	: 0.3-0.5 g/lit

Note : Only directing recommendation can be given depending on system and machinery used in bleaching baths. Usage quantity depends on contact time in impregnation and continuous system. On the other hand, the passing speed of fabric, weft-warp intensity, wetness or dryness of fabric are other factors.

STORAGE : Storage life is minimum 1 year in original packaging.

PACKAGING : Plastic drums of 65 and 130 kg.

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EROWET HNK

De-foaming wetter in may be used at high turn process

It is a serial wetter agent and given high hydrophility to cotton textile products in boiling, kierung and dyeing procedures.

CHEMICAL COMPOSITION: It is a suitable combination of nonionic-anionic surfactants.

PROPERTIES :

- * It is a de-foaming wetter in ower-flow, winch, jet and high turn process.
- * Resistant to alkali, electrolit, oksidant and reducdant materials.
- * Due to resistant to hard waters and high temperature, it is a serial wetting materials.
- * It is a perfect washing, dispersing, egaliz and emulsifer.
- * It gives hydrophility property solving oil and wax in cotton kierung in the winch, boiler, jigger similar apparatus.
- * Due to its effect to make serial wetting and easily solubility, It is a very suitable wetter in preliminary finishing and dyeing.
- * Thanks to its dispersing and emulsify characteristics in kierung and bleaching baths, it suspends oil and soils in the bath.
- * A high hydrophility and bleaching degree is obtained by using in all kinds of bleaching baths.
- * Thanks to its high wetting effect, it faciliates the process of size extraction.

APPLICATION TECHNIQUE : It is recommended to use 0.5-1.5 gr/lit. depending on alkali

quantity required, operating conditions and type of fabric.

Note : Only directing recommendation can be given depending on system and machinery used in bleaching baths. Usage quantity depends on contact time in impregnation and continuous system. On the other hand, the passing speed of fabric, weft-warp intensity, wetness or dryness of fabric are other factors.

STORAGE : Storage life is minimum 1 year in original packaging.

PACKAGING : Plastic drums of 65 and 130 kg. and containers of 1 ton.

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EROWET UWC

Multi Purpose Wetting Agent

Due to its effect to provide high wetting and hydrophilicity, it is used at bleaching, peroxide bleaching, dyeing and printing in continuous and discontinuous systems.

CHEMICAL COMPOSITION: It is a balanced combination of etoxile surfactants.

PROPERTIES :

- * It is anionic-nonionic
- * Resistant to acids, hard waters, reducing and oxidising agents.
- * It disperses oil and waxes from raw cotton and suspends them at bath.
- * **EROWET UWC** is ensured a perfect hydrophilicity at operated cotton fabrics.
- * It ensures trouble free operation in terms of foam.
- * Due to its dispersing property, it suspends dirt and prevents them precipitate on fabric.
- * It is a perfect washing agent.

APPLICATION TECHNIQUE:

- Readily dissolves even in cold water.
- At bleaching,
- Overflow : 0.5-1.5 gr/l.
- Continuous : 5.0-8.0 gr/l.
- Pad-batch : 6.0-9.0 gr/l.
- Jet : 1.0-2.0 gr/l.
- Batic dyeing : 0.5-1.0 gr/l.
- Preparation for printing : 1.0-4.0 gr/l.
- At package printing : 0.5-1.5 gr/l.
- At package dyeing : 0.5-1.5 gr/l.

STORAGE : 1 year in original packing provided not left open.

PACKAGING : Plastic drums of 65 kg.

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EROWET UZW

Wetting Agent

An auxiliary agent in boiling, kiering, sizing, size extracting, bleaching, carbonising and dyeing.

CHEMICAL COMPOSITION: It is a balanced combination of surfactants.

PROPERTIES :

- * Mixture of anionic and nonionic agents.
- * When it is used at peroxide bleaching, helps a excellent white.
- * Has high wetting and hydrophility effect.
- * Its foam is regulation.
- * Resistant to hard waters and acids.
- * Ensures a good wetting and dispersion in the peroxide, hypochloride, chloride bleaching, the carbonising tractments and the dyeing of cottons.
- * Emulsifes and removes oil and soils from the environment.
- * It used in boilers for pre-washing, package dyeing, prekiering and fabric preparation.

APPLICATION TECHNIQUE: It is recommended to use between 0.5-3.0 gr/lit., taking into consideration the general operating conditions in terms of the field of useage.

STORAGE : Storage life is minimum 1 year in orijinal packaging.

PACKAGING : Plastic drums of 65 kg.

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ERSOL K

Ion-retaining agent

A textile auxiliary agent for dispersing and complexing usable in all textile applications.

CHEMICAL COMPOSITION: A balanced mixture of various organic materials.

PROPERTIES

- : * Of anionic structure.
- * Constitutes a very well complex in the presence of calcium, magnesium, iron and copper ions without damaging metal complexes in dyestuffs.
- * Resistant to hydrolysis at high temperatures.
- * Ensures stability against acids and bases.
- * Has a good dispersing effect.
- * Has characteristic of corrosion inhibitor.
- * It complexes heavy metal and metal ions depending on pH and temperature and prevents from precipitating.
- * As it is a good complexing, it prevents materials removed at washings after kiering and bleaching from precipitating or the product again. It, therefore, ensures better whiteness in cotton bleaching.

APPLICATION TECHNIQUE: - **ERSOL K** quantity recommended for softening water is 0.2 g/lit. (each °dH=at German hardness degree).

- In size extracting, 0.5-2.0 g/lit is recommended.

- It is 2-3 g/lit as protective colloidal in alkali cleanings.

- Quantity required in the dyeing baths is 0.5 g/lit. Minimum 1.5 g/lit should be used for dyestuffs after soaping.

Usage quantities given are only for informative purpose. Because all parameters and applications should be taken into consideration.

STORAGE

- : Storing life is one year in original packaging. (Should be protected from excessive cold.)

PACKAGING

- : Plastic drums of 65 kg.

ERSOL KB

Water Softening And Peroxide Stabilizer

An agent with dispersing, complexing, hardness removing and stabilizing, characteristics usable in all textile applications.

CHEMICAL COMPOSITION: Mixture of organic acid salts.

PROPERTIES

- : * Complex constituting agent for metals.
- * **ERSOL KB** dissolves calcium and magnesium components in the cotton and keeps them as dissolved ions in the solution. It prevents such metal ions from precipitating over the fabric and disallows increase of ash in the cotton
- * **ERSOL KB** is especially effective in dissolving iron impurities on the fabric and prevents iron in the process water from precipitating.
- * **ERSOL KB**, on the other hand, minimises reduction of fabric tearing in the process of washing.
- * Peroxide stability characteristic of **ERSOL KB** is also powerful.

APPLICATION TECHNIQUE: - In bleaching bath, 0.5 g/lit is recommended for ion retaining and H₂O₂ stability.
- 0.5 g/lit is recommended in dyestuff as ion-retaining agent.

Table1

In alkali solution, complex generating power of **ERSOL KB** in the iron: Fe⁺³ (mg Fe⁺³/gr).

NaOH%	ERSOL KB	4 NaEDTA
1.....	458.....	0
2.....	784.....	0
3.....	810.....	0
4.....	97.....	0
5.....	71.....	0

Table2

Effect of the bleaching process over DP value (polymerization degree of cotton) of cotton:

Addition	Fe mg/l	DP value
Raw fabric	-	1750
Without Addition	-	1350
Without Addition	5	1270
ERSOL KB	5	1500

Tablo 3 The most important preparatory processes for cotton is those of washing and peroxide bleaching. These should be administered in such a way so as to give minimum damage to cotton cellulose.

Water is circulated due to economical reasons and this leads to hardness problems in the process water because of increase in the concentration of dissolved calcium and magnesium salts coming from cotton.

Hence it is most likely that hardness in the solutions of washing and bleaching to increase by 20-40 °dH (200-400 CaO/ltr). When concentration of alkali metals reaches to this high level, the undissolved layers causing fabric impurity and dyeing defects are dissolved. Such layers may form on the surfaces of the equipment, rollers, pipes and heat exchanger. Possible negative affects of the metals may be minimised by addition of complex-generating agents at a rate of 1-20 g/ltr in the washing solution in order to form soluble chelates with calcium and magnesium under alkali conditions.

Complex-generating power of **ERSOL KB** in powerful alkali solutions:

Complex-generating power mg Ca⁺²/g.

NaOH %	ERSOL KB	EDTA
1.....	119.....	108
2.....	153.....	108
3.....	167.....	105
4.....	142.....	100
5.....	103.....	100

As **ERSOL KB** is a very effective complex- generating agent for iron under alkali conditions, it may be used in both washing and bleaching processes. In bleaching, in order to avoid from oxidation of cotton, iron impurities (rust) may even be dissolved in critical washing at less degree.

STORAGE

: Storing life is one year in original packaging. (Should be protected from excessive cold.)

PACKAGING

: Plastic drums of 65 kg.

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ERSOL SPC

Ion retainer + Dispersing Agent

It is an ion retainer and dispersing agent, used in bleaching made in high alkali medium.

CHEMICAL COMPOSITION: It is a polymeric product.

PROPERTIES

- : * It is anionic clear liquid.
- * It is a strong Ca/Mg retainer used in textile.
- * Hydrophilicity is promoted when **ERSOL SPC** is added to the bath.
- * It provides bath stability.
- * Prevents silicate precipitation at bleaching baths.
- * Promotes whiteness at bleaching baths.
- * Prevents weaknesses and tears on fabric due to Fe/Cu ions.
- * Promotes fabric feel.

APPLICATION TECHNIQUE:

- Directly introduced to the bath.
- At pad-batch : 2.0-5.0 gr/lt
- Overflow : 0.2-0.5 gr/lt

STORAGE : 1 year in original packing.

PACKAGING : Plastic drums of 65 kg.

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ERSOL APC

Ion Retainer

It is an ion retainer, with dispersing property, used during wet processes of various textiles.

CHEMICAL COMPOSITION: It is a combination of poly-acrylate and alkyl phosphanate.

PROPERTIES

- : * A viscose clear liquid.
- * It is an anionic, diluted with water at any ratio.
- * Resistant to high alkali and acidic media.
- * It retains high Ca and Fe.
- * Due to its dispersing property, it suspends colloids in the bath and promotes bath stability.
- * Due to its high ion retaining ability, it promotes whiteness during bleaching.
- * Since salts in the bath are suspended by the use of **ERSOL APC**, the effects of salt on fabric and machines are eliminated.
- * Since precipitation of hard water salts is a problem particularly in continuous systems, use of **ERSOL APC** is recommended.
- * Since it removes from the product the hydrolyzed reactive dye agent, it is very successful in promoting fastness.
- * It has no environment problem like other ion retainers, so its use is an advantage.
- * Since it does not effect the dye on the fabric, it does not adversely effect the colour efficiency.

APPLICATION TECHNIQUE: - It has no dye removing effect since its operation is not “complexing” based on ion exchange.
- At normal use, 0.5-1.0 gr/lit is sufficient.
- It does not comply with cationics since it is anionic.
- May be treated biologically.

STORAGE : 9-10 months in original packing provided temperature is not above + 40° C.

PACKING : Plastic drums of 60 kg.

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ERSOL HP-S

Peroxide stabilizer

Stabilizing agent used in bleaching of cotton fabric and yarns with peroxide.

CHEMICAL COMPOSITION: Mixture of aliphatic organic materials.

PROPERTIES

- : * Of anionic structure.
- * Used as peroxide stabilizer in bleaching all kinds of cotton, synthetic fabrics and yarns.
- * Has protective effect on fiber.
- * Easily mixable with water.
- * It is possible to operate without silicates at high liquor rates in normal and pressurised boilers.
- * It prevents precipitation of silicate in foulard.

APPLICATION TECHNIQUE: Prescriptions applicable for articles underment pre-treatment
(those articles whose size extracted and kierned):

ROPE DYEING MACHINE

4 gr/lt H₂O₂ %35
1.5 gr/lt **ERSOL HP-S**
37° B
0.6 gr/lt NaOH
Liquor Rate : 1/40
30° C
Temperature : 85° – 90° C
Time : 1-2 hour.
hour
90°

J.BOX

10 cc/lt H₂O₂ %35
2 cc/lt Sodiumsilicate
1 gr/lt **ERSOL HP-S**
Bath temp. : 20° –
Resting Time : 1-2
Resting Temp. : 85° –

JIGGER

10 gr/lt H₂O₂ %35
3 gr/lt **ERSOL HP-S**
1.5 gr/lt NaOH
30° C
Liquor rate : 1/7
Temperature : 80° – 90° C
hour
Time : 1-3 hour

PAD-ROLL

10 gr/lt H₂O₂
4 gr/lt **ERSOL HP-S**
Bath temp. : 20-
Squeezing deg. : %100
Resting time : 2-3
Resting temp. : 85° C

COMPARISON OF ERSOL HP-S WITH OTHER H₂O₂ STABILIZERS

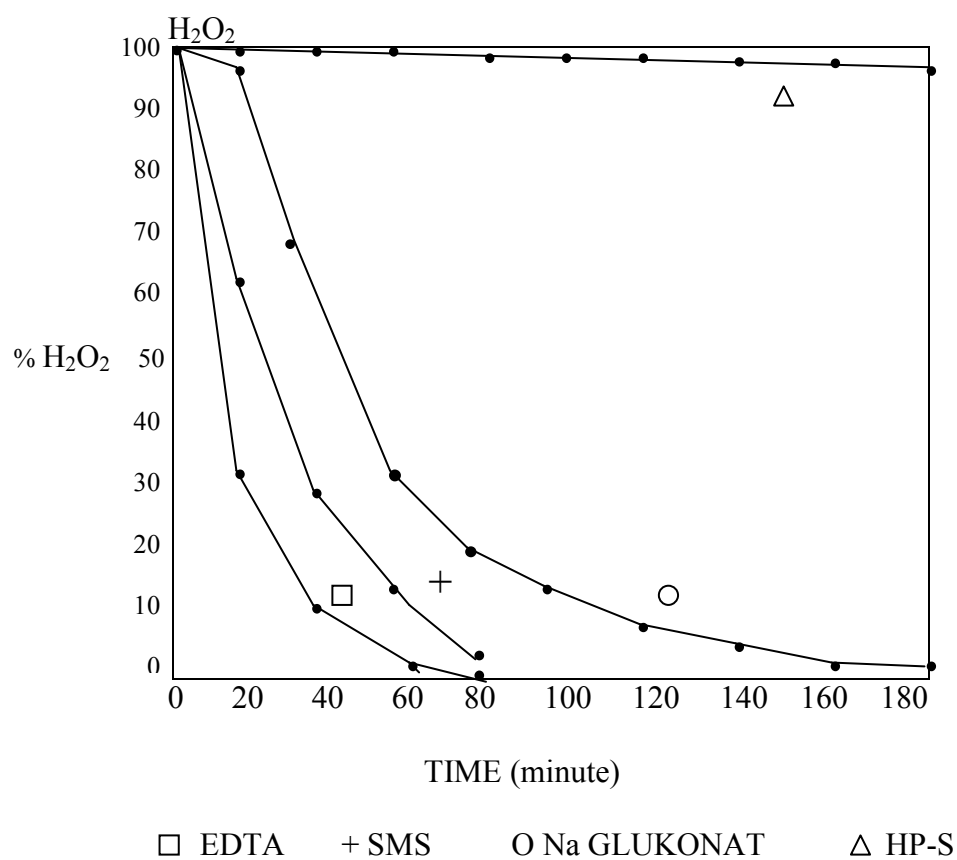
Environmental conditions:

7.0 ml / lt H₂O₂ (%35)

3.5 ml / lt NaOH (%50)

stabilizer concentration : 0.60 g / lt

temperature : 84⁰ C



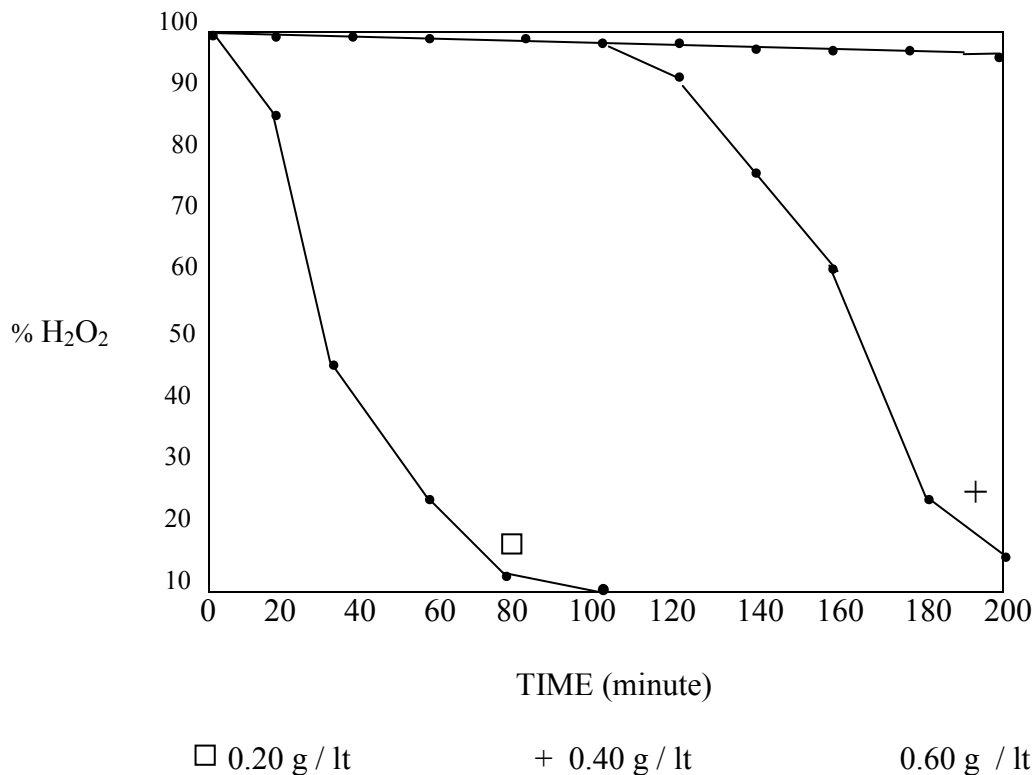
STABILIZATION OF H₂O₂ SOLUTION WITH
ERSOL HP-S AT VARIOUS CONCENTRATIONS

Environmental conditions:

7.0 ml / lt H_2O_2 (%35)

3.5 ml / lt NaOH (%50)

Temperature : 84°C

**PRESSURE BOILER:**

20 cc / lt H_2O_2 (%35)

2 g / lt **ERSOL HP-S**

5 g / lt NaOH

Bath Temperature : $20^\circ - 30^\circ\text{C}$

Squeezing degree : %100

Steaming time : 1-3 minutes.

STORAGE

: Storing life is one year in original packaging.
(Should be protected from excessive cold.)

PACKAGING

: Plastic drums of 65 kg.

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ERSOL HP-SC

Ion Retainer + Stabilizer

It is an organic substance that provides peroxide stabilization during bleaching of cotton and synthetic-cotton mixtures by hydrogen peroxide.

CHEMICAL COMPOSITION: It is a combination of heavy metal retaining agents and anionic surfactants.

PROPERTIES :

- * Anionic, clear liquid.
- * It does not produce foam, and may be used in an application process
- * Ensures an efficient whiteness by retaining heavy metal ions, having catalyst effect in the bleaching bath, as $\text{Fe}^{(+3)}$, $\text{Fe}^{(+2)}$, $\text{Cu}^{(+2)}$ and Mn.
- * Since it also retains earth alkali metal ions as $\text{Ca}^{(+2)}$ and $\text{Mg}^{(+2)}$, it may be used in continuous systems without any addition of silicate.
- * **ERSOL HP-SC** has a very good dispersing property.
- * Since addition of silicate. Ion retainer and MgCl is not needed, it eliminates machine and fabric contamination, friction problem and uneven dyeing.
- * It may mix with water at any ratio and biologically decomposes in the nature.

APPLICATION TECHNIQUE : - In the bleaching bath, the order of adding chemicals must be taken care of. In order, wetting agent, ion retainer, stabilizer, caustic and finally peroxide is introduced. After adding caustic, the machine should be run for a while and then peroxide should be introduced. All additions must be made in cold temperature (as 30-40° C).

Process type	QUANTITY	TEMP.	TIME
Overflow	0.4-1.0	90-98 °C	40-60m
Pad-steam	4.0-8.0	100 °C	15-20 m
Pad Batch	2.0-6.0	20-30 °C	24 h
Contin. Bleach	5.0-10.0	60 °C	20 m

STORAGE : 1 year in original packing and in room temperature.

PACKAGING : Plastic drums of 65 kg.

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ERSOL GL-50

Anti-creasing Agent

A special slider in order to prevent creases occurring during
cotton and cotton/polyester processes on jet machinery.

CHEMICAL COMPOSITION: Combination of high hydrocarbons with special additives.

PROPERTIES

- : * Of nonionic, light yellow colour, medium viscosity.
- * Soluble in water easily and stable manner.
- * Resistant to acid, alkali environments and hard water.
- * Ensures dispersion of dyestuff in the bath.
- * Ensure uniform dyeing.
- * Usable in all dyeing processes of cellulosic fibers.
- * Have no adverse effect on colour of the dyed articles.
- * Have very weak characteristic of foaming.
- * Usable on all types of machinery.

APPLICATION TECHNIQUE:- It is recommended to dilute it with water as much as weight before use and to water at desired rate.
- Quantity should be determined and used at the rate of desired effect. However, it is generally sufficient to use 0.5-1.5 g/lit.

STORAGE

- : Storing life is one year under normal conditions in original packaging.

PACKAGING

: Plastic drums of 60 kg.

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ERSOL KG

Special Softening And Anti-creasing Agent

Anti-creasing agent in dyeing of articles made of cellulosic, woollen, synthetic and a mixture of them.

CHEMICAL COMPOSITION: Combination of special esters.

PROPERTIES

- : * Of anionic structure, colourless, liquid agent.
- * Resistant against hard water, baths not acidic and basic considerably.
- * It is recommended as softening and anti-creasing agent in dye baths.
- * It complies with optical bleaching agents and dyestuffs.
- * As its solubility is easy, the application is easy and foam is very weak.
- * It gives quite soft and fluent behaviour to all kinds of textile and does not cause discolouring in course of time.
- * Usable in the finishing baths.
- * In order to obtain more excellent result, it is recommended to use together with **EROWET UK-P**.
- * Thanks to its high dispersing power, it increases uniformity and purity of dyeing.

APPLICATION TECHNIQUE: - Exhaust method:

2 – 4 g/l **ERSOL KG**

- In pad-dyeing :

20 – 30 g/l **ERSOL KG**

STORAGE

: Storing life is one year in original packaging.

PACKAGING

: Plastic drums of 65 kg.

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ERSOL PK-1

Broken Fibre Preventing Agent

It is an agent that prevents broken fibres and provides slipperiness during the process of cotton, polyester, viskoze lycra and their mixtures.

CHEMICAL COMPOSITION: A polymeric amide derivative.

PROPERTIES

- : * Nonionic, clear, viscose liquid.
- * Prevents breaks during the wet processes of knit and woven fabric.
- * Prevents matting of wool products.
- * Since it has no foam, it may be used in any machine.
- * Since no dye agglomeration occurs, it does not adversely effect colour efficiency and fastness.
- * Since it readily dissolves in water, it is easy to remove from fabric.
- * It complies with anionic and cationic auxiliaries.
- * It is resistant to a wide range of pH values and high salt concentrations.

APPLICATION TECHNIQUE: - Must be introduced to baths as the first auxiliary material,
- Fabric and other chemicals are introduced later
- **ERSOL PK-1** must be introduced between 0.5 to 1.0 gr/lit at softening bath during centrifugal squeezing.
- It is recommended to use between 0.5 and 2.0%.

STORAGE

- : About 1 year in original packing and at room temperature. Must be protected against cold.

PACKAGING

- : Plastic drums of 60 kg.

[The above data are given as a general information. Since processing conditions and application systems are beyond our control, such data are not legally binding for us. Our technical service is ready to assist you for all your technical problems.]