



**CHEMICAL SPECIALTIES
FOR LEATHER SINCE 1998**



FENCOLOR: CHEMICAL SPECIALTIES FOR LEATHER SINCE 1998

In 1998, a team of experienced and dynamic technicians founded the company, with the aim of bringing the best of Fenice's specialties to the important Santa Croce tanning area.

20 years of passionate research has allowed to develop a full range of chemicals and dyes for any type of leather, for both for wet end and finishing, offering constant innovation to the tanning industry and provides assistance throughout all stages of the leather preparation.

FENCOLOR provides technical support through its laboratory and a professional team of technicians, providing the customer with timely and professional service in resolving everyday issues.

FENCOLOR is very active in the research and development of new articles according to the latest fashion trends, with a constant attention to ensure formulations that comply with the increasingly stringent regulations on ecology and safety.



Francesco Pandolfi

Sales Manager - International



Simone Dal Canto

Leather Finishing division manager



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Wet-end products manager



The entire range of products from tanning to finishing is created according to the highest requirements and regulations in force today, with a perspective look into the future and a minimized environmental impact.

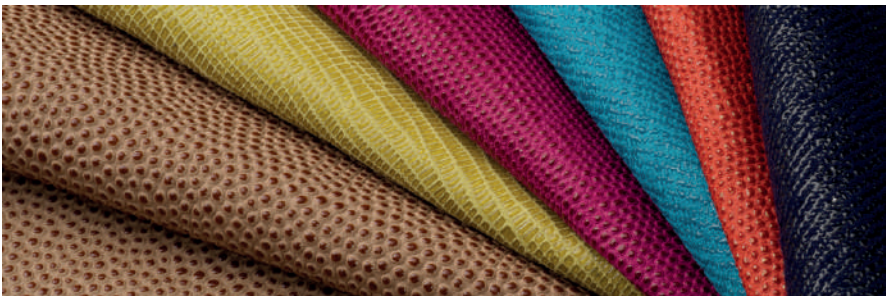


LEATHER FINISHING.

Since twenty years, the company markets and produces a full range of leather finishing specialties.

The initial and current experience as exclusive distributor of the Fenice products for Tuscany has made it possible to develop a line of products specifically tailored for the local market, with particular attention to the evolving fashion trends, to be always leaders in article excellence.

The unremitting quest for new products, new application methods and new articles meet the ever-increasing consumer expectations and provide a competitive edge to our loyal customers.





TANNING, RETANNING AND DYEING.

The range of wet-end products covers the entire wet end process starting from the tanning to the dyeing, including vegetal mineral tanning and wet white.

The combination of our retanning agents, resins and fatliquors makes it possible to create a wide range of cutting edge products. Here below you can find the main product categories:

SYNTANS

They are divided into FENIREN and FENTAN.

FENTAN: general proposal and replacement syntans

FENIREN: liquid resins and powders

FATLIQUORS

FENOIL: natural, synthetic and semi-synthetic fatliquors.

They are characterized by the excellent high dye ability and high exhaustion

AUXILIARIES

They are divided into FENKAL and NEUTROFEN:

NEUTROFEN: dye auxiliaries and neutralizing auxiliaries.

FENKAL: degreasing and surfactant agents, bactericides, fungicides, beam house products.

DYES

FENCOLOR: high exhaustion color range, mixable in all proportions with high light resistance, washable and good PVC fastness.





SYNTANS

Wet-End Chemicals
SYNTANS

FENCROM HH

Rev. Date 12.2017

DESCRIPTION

FENCROM HH is a lightfast chrome syntan used for pre- and re-tanning.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Green powder
Active substance (%)	:	95 %
pH (1:10)	:	3.7 ± 1
Title in Cr2O3	:	12,0-13,0%

PROPERTIES

FENCROM HH is a chrome syntan complex used for leathers which require their chrome character to be retained.

FENCROM HH produces brilliant deep colours and a smooth grain to leathers with excellent lightfastness,

FENCROM HH improves tear-strength and gives leathers a full round handle.

USE

FENCROM HH can be used during re-chroming in quantities 2-4% on shaved weight or as a pre-tanning agent before chrome tannage.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN 430

Rev. Date 12.2017

DESCRIPTION

FENIREN 430 is a salt free modified acrylic copolymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous transparent liquid
Active substance (%)	:	30 % ± 1
Lightfastness	:	Excellent
pH (1:10)	:	6.0 ± 1
Acid stability	:	Stable

PROPERTIES

FENIREN 430 provides an excellent fine, tight grain.

FENIREN 430 produces leathers with low specific weight and does not influence the colour depth.

USE

FENIREN 430 is mainly used after neutralisation in quantities of around 3 to 6% on shaved weight and provides leathers with a very fine grain and uniform dye yield.

FENIREN 430 can be combined with all anionic re-tanning agents including vegetable extracts. It helps to avoid grain looseness and is especially recommended for the production of shoe uppers and milled leathers.

FENIREN 430 can be used before or after the main fat-liquor to help its exhaustion.

PACKAGING

130 kg per drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN FM-T

Rev. Date 12.2017

DESCRIPTION

FENIREN FM/T is a re-tanning agent based on dicyandiamide.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Powder	
Total solids (%)	:	93%	± 2
Lightfastness	:	Good	
pH (1:10)	:	4.0	± 1

PROPERTIES

FENIREN FM/T is a synthetic light-beige-condensed dicyandiamide based resin. In acidic conditions, FENIREN FM/T has excellent skin filling properties, especially in the empiest parts, without having any hardening effect.

USE

FENIREN FM/T is used in the retanning of chromium leather to impart excellent softness and firmness with a flexible flower. It also guarantees a high yield in the case of pasting during drying and a good buffing effect.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN FM

Rev. Date 12.2017

DESCRIPTION

FENIREN FM is a re-tanning agent based on dyciandiamide.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Fine beige powder
Active substance (%)	:	95%
pH (1:10)	:	9.5 ± 1
Nitrogenous typ. tot.	:	23%

PROPERTIES

FENIREN FM is a resin re-tanning agent which has a selective filling action in the empty parts of leathers.

USE

FENIREN FM is usually used during or after neutralisation at the re-tanning stage. Due to its nature, FENIREN FM improves grain tightness and the levelling of fullness and roundness, even into the empty parts of the leathers. FENIREM FM confers good buffing and embossing properties without any bleaching effect.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN FPA

Rev. Date 12.2017

DESCRIPTION

FENIREN FPA is a modified acrylic copolymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous transparent liquid
Active substance (%)	:	29% ± 2
Lightfastness	:	Excellent
pH (1:10)	:	5.5 ± 1
Chrome stability	:	Stable
Acid stability	:	Stable

PROPERTIES

FENIREN FPA provides an excellent, fine, tight grain.

FENIREN FPA produces leathers with a low specific weight and does not influence colour depth.

USE

FENIREN FPA is mainly used during or after neutralisation in quantities of around 3 to 6% on shaved weight. It produces leathers with a very fine grain and uniform dye yield.

FENIREN FPA can be combined with all anionic re-tanning agents including vegetable extracts. It helps to avoid grain looseness and is especially recommended for the production of shoe-upper and milled leathers.

FENIREN FPA can also be used before or after the main fat-liquor to help its exhaustion.

PACKAGING

125 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN LV

Rev. Date 12.2017

DESCRIPTION

FENIREN LV is a resin based on a dispersion of plasticized homopolymer polyvinylacetate.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Viscous liquid	
Active substance (%)	:	35%	± 2
pH (1:10)	:	5.5	± 1

PROPERTIES

FENIREN LV is a resin based on a dispersion of plasticized homopolymer polyvinylacetate.

It is characterized by its medium viscosity despite being a high molecular weight.

USE

FENIREN LV is used in the re-tanning of full grain and buffed leather but is particularly suitable for crust leather.

Due to its ability to produce a very flexible film, FENIREN LV confers closure, fullness and softness.

FENIREN LV can be used in an acidic environment or on highly neutralized leathers with a rotation of 30-40 minutes to complete the fixing operation.

PACKAGING

125 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN ML

Rev. Date 12.2017

DESCRIPTION

FENIREN ML is an anionic condensate melamine-based retanning agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish-beige coloured powder
Active substance (%)	:	95%
pH (1:10)	:	8.5 ± 1

PROPERTIES

FENIREN ML is a retanning agent based on condensate melamine and suitable for all kinds of leathers. It is compatible with all anionic re-tanning agents and dyestuffs.

FENIREN ML gives fullness and softness to the leathers; improving fluffiness and producing a tight grain.

USE

FENIREN ML is usually used during or after neutralisation at the re-tanning stage, to improve grain tightness and to prepare the skins for the next step of the production process.

FENIREN ML can also be added after the main fat-liquor, resulting in the leathers being tight and spongy.

FENIREN ML gives good buffing properties, short fibres and a very fine grain.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN MZ 20

Rev. Date 12.2017

DESCRIPTION

FENIREN MZ 20 is a slightly anionic modified acrylic polymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent liquid
Active substance (%)	:	25 % ± 1
Lightfastness	:	Excellent
pH (1:10)	:	6.5 ± 1
Acid stability	:	Stable

PROPERTIES

FENIREN MZ 20 provides excellent fullness without damaging colour depth or the dye yield.

USE

FENIREN MZ 20 is mainly used before or after the main fatliquor in quantities of about 3 to 6% on shaved weight.

Due to its high emulsifying power, FENIREN MZ 20 helps the dispersion of fat-liquors and reduces the risk of grain crack, even on heavy vegetable-retannage.

FENIREN MZ 20 can be combined with all anionic retanning agents. It helps to avoid grain looseness and produces very uniform spongy leathers.

PACKAGING

130 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN R405

Rev. Date 12.2017

DESCRIPTION

FENIREN R405 is an anionic polymer in solution with an acrylic base.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Amber coloured liquid	
Active substance (%)	:	40%	± 2
pH (1:10)	:	7.0	± 1

PROPERTIES

FENIREN R405 is a polymer retanning agent for chrome-tanned leathers. It gives fullness and fineness, keeping its chrome character.

The stability of calcium salts is good. It precipitates at a pH of under 4.0.

USE

The use of FENIREN R405 improves the finishing anchorage.

It is perfectly compatible with synthetic tanning agents and vegetable extracts but cannot be mixed with mineral tanning agents.

FENIREN R405 has excellent lightfastness, so recommended for white and light-coloured items.

PACKAGING

130 kg plastic drums or 1200 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN RE

Rev. Date 12.2017

DESCRIPTION

FENIREN RE is an acrylic copolymer solution.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous amber coloured liquid
Dry content (%)	:	34% ± 2
Lightfastness	:	Good
pH (1:10)	:	6.5 ± 1
Charge	:	Anionic

PROPERTIES

FENIREN RE is a retanning acrylic copolymer agent which gives the leather a particular roundness and mellowness making it ideal for the production of soft leathers.

USE

FENIREN RE is perfectly compatible with synthetic and vegetable retanning agents, fatliquors and anionic dyes when in an environment where the pH is higher than 3.8.

FENIREN RE is ideally used after neutralization, in combination with synthetic and vegetable tannins.

PACKAGING

120 kg plastic drums or 1100 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN RSM

Rev. Date 12.2017

DESCRIPTION

FENIREN RSM is a modified acrylic maleic copolymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous brownish liquid
Active substance (%)	:	30 % ± 1
Lightfastness	:	Excellent
pH (1:10)	:	9.0 ± 1
Acid stability	:	Stable

PROPERTIES

FENIREN RSM provides excellent grain tightness without bleaching colour depth.
FENIREN RSM produces leathers with a low specific weight.

USE

FENIREN RSM is mainly used during or after neutralisation in quantities around 3 to 6% on shaved weight.

FENIREM RSM can be combined with all anionic re-tanning agents including vegetable extracts.

It helps to avoid grain looseness and is especially recommended for the production of milled leathers such as garment skins and milled nappa.

FENIREM RSM can also be used before or after the main fatliquor to help the exhaustion of oils.

PACKAGING

130 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN SD 40

Rev. Date 12.2017

DESCRIPTION

FENIREN SD 40 acrylic copolymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White viscous liquid
Active substance (%)	:	39 % ± 1
Light fastness	:	Excellent
pH (1:10)	:	3.7 ± 1
Acid stability	:	Stable

PROPERTIES

FENIREN SD 40 produces leathers with a very tight grain and fullness.

FENIREN SD 40 is suitable for producing white leathers with excellent lightfastness.

USE

FENIREN SD 40 is mainly used before or after the re-chroming stage in quantities of about 2 to 4% on shaved weight.

FENIREN SD 40 avoids grain looseness and is highly recommended for the production of milled leathers and shoe-uppers where fullness and firmness are desired.

FENIREN SD 40 can also be used after the main fat-liquor to help the distribution and fixation of oils.

PACKAGING

130 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN SM Liq.

Rev. Date 12.2017

DESCRIPTION

FENIREN SM Liq. is a water-soluble styrene-maleic copolymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Slightly turbid, almost colourless, thick liquid
Active substance (%)	:	20% ± 2
pH (1:10)	:	6.5 ± 1

PROPERTIES

FENIREN SM Liq. is stable to neutral salts, weak acids and bases at all degrees of concentration likely to be encountered in tanning and also to vegetable and synthetic tannins. FENIREN SM Liq. has good filling properties and improves leather softness and its feel, without any loss of tensile strength.

Retannage with FENIREN SM Liq. yields a fine grain.

FENIREN SM Liq. fully preserves both the softness and fullness of the leather, as well as the elasticity of the grain for prolonged periods of storage.

It is especially suitable for full grain leather and both footwear or garment leather items that require subsequent buffing, polishing or embossing.

USE

FENIREN SM Liq. can be used alone or together with vegetable or synthetic tannins in the neutralizing or re-tanning of chrome-tanned leather.

Nappa on cattle hide: After fatliquoring, add 4-5% of FENIREN SM Liq. and perform the fixation using formic acid.

FENIREN SM Liq. is usually used when a good, springy handle is required without impairing any of the physical properties of the leather.

PACKAGING

125 kg drums or 1000 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN SS

Rev. Date 12.2017

DESCRIPTION

FENIREN SS is a condensation product of phenolsulfonic acid and an organic nitrogenous base.

PHYSICAL CONSTANTS

	<i>Standard Value</i>
Appearance	: Pale powder
Active substance (%)	: 94%
Lightfastness	: Excellent
pH (1:10)	: 7.5 ± 1
Acid stability	: Stable

PROPERTIES

FENIREN SS has excellent dispersion properties and helps the penetration and distribution of all chemicals at the retanning stage. It can be applied together with mineral tanning agents to help fixation.

FENIREN SS is lightfast and heat resistant. Used in neutralisation or the retanning of waterproof leathers, FENIREN SS also helps to stabilize the waterproofing system.

USE

FENIREN SS is mainly used during or after neutralisation in quantities of between 2 up to 4% on shaved weight. It can help to prevent the grain from being drawn when heavy veg-retannage is applied.

FENIREN SS also helps to improve grain tightness.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENIREN WP2

Rev. Date 12.2017

DESCRIPTION

FENIREN WP2 is a surfactant free acrylic acid copolymer sodium salt.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous opaque liquid
Active substance (%)	:	23% ± 1
Lightfastness	:	Excellent
pH (1:10)	:	4.3 ± 1

PROPERTIES

FENIREN WP2 is a lightfast softening resin which confers great softness and reticulates to fill up the emptier parts of the leather.

FENIREN WP2 reacts with fatliquor and improves softness when mixed into any blend of oils.

USE

FENIREN WP2 can be used during neutralisation in quantities of 1% to 3% to improve grain tightness. Used in small amounts of about 0.5%-1% with waterproof fatliquor such as FENOIL WP4 or FENOIL WPI, it helps with the penetration and distribution of oils, increasing the stability of the system.

FENIREN WP2 can be used to produce white and lightfast leather articles.

PACKAGING

150 kg drums .

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN ALF

Rev. Date 12.2017

DESCRIPTION

FENTAN ALF is a complex of aluminium salt.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White powder
Al ₂ O ₃ (%)	:	16%
pH (1:10)	:	2.5 ± 1
Basicity	:	50

PROPERTIES

FENTAN ALF facilitates the closing of the leather fibres giving the nappa a more natural appearance. It provides uniform, brilliantly coloured shades.

USE

FENTAN ALF is usually used in quantities of 2% to 6% during the re-chroming process and provides excellent, compact fibres which are easy to buff.

PACKAGING

25 kg bags on 1000 kg pallet.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN ALX

Rev. Date 12.2017

DESCRIPTION

FENTAN ALX is a complex of aluminium salt in water dispersion.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
Active substance (%)	:	18 % ± 2
pH (1:10)	:	2.0 ± 1
Charge	:	Cationic

PROPERTIES

FENTAN ALX improves the closing of the fibres giving the nap a more natural appearance. FENTAN ALX provides uniform, brilliantly coloured shades.

USE

FENTAN ALX is normally used during the re-chroming process in quantities of 2 to 6% and provides excellent compact fibres which are easy to buff.

PACKAGING

130 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN ATS

Rev. Date 12.2017

DESCRIPTION

FENTAN ATS is a blend of condensed replacement syntans based on phenol and tara for the production of very soft leathers.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Beige powder	
Active substance	:	95 %	<i>min.</i>
pH (1:10)	:	3.5	± 1

PROPERTIES

FENTAN ATS is a syntan which produces excellent softness and fullness for all types of leathers. It gives a very fine buffing-effect in the production of nubuck, short-fibre and bright colours but is especially good for pastel shades.

USE

FENTAN ATS can be used during re-tanning together with other syntans and after the main fat-liquor.

FENTAN ATS is particularly recommended for milling all types of articles such as garments and upholstery, as well as wherever a low specific weight and fullness are desired.

FENTAN ATS is used after the main fat-liquor in quantities of 2-4 % to give a very fluffy, even pattern.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN CL3

Rev. Date 12.2017

DESCRIPTION

FENTAN CL3 is a condensation product of carboxylic amide and hydroxylaryl sulphone.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White powder
Active substance (%)	:	97% ± 2
pH (1:10)	:	3.0 ± 1

PROPERTIES

FENTAN CL3 produces lightfast, heat resistant leathers.

It is a replacement syntan for the tanning process of white or vegetable leathers.

FENTAN CL3 produces a very fine grain; bright, uniform colours and excellent whiteness due to its bleaching action and covering power.

USE

FENTAN CL3 is used alone in the tanning process in quantities of 15 to 25% on splitting or fleshing weight to produce white, lightfast leathers with good heat resistance.

FENTAN CL3 is used in the tanning process in combination with vegetable extract to obtain lightly coloured vegetable leathers with good light resistance.

FENTAN CL3 is used in the re-tanning of chrome leathers to improve fullness, grain tightness and dyeability.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN CL Liq.

Rev. Date 12.2017

DESCRIPTION

FENTAN CL liq. is a condensation product of aryl-sulphonic acids and hydroxy-aryl-sulphone.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Dark brown liquid
Active substance (%)	:	50 % ± 2
pH (1:10)	:	2.0 ± 1

PROPERTIES

FENTAN CL liq. is a special syntan with a high shrinking action in the firm and loose parts of the hide. FENTAN CL liq. is used during the production of shrunken grain tannage on all types of hides and skins. FENTAN CL liq. gives leathers a very light colour.

USE

FENTAN CL liq. is usually used after bathing when thoroughly de-liming is requested and pickling is unnecessary.

FENTAN CL liq. is applied in quantities of 12 to 20% on splitting or fleshing weight in order to give the pelts a shrunken effect.

Chrome or vegetable tannage may be continued afterwards, depending on the type of article.

Before proceeding with tannage, the existing float has to be drained.

FENTAN CL liq. gives the shrunken effect during the first 30' min of the shrinking process. No additions of acids, formaldehyde or sumach are required.

Many factors can influence the size of the pebble pattern:

- the quantities of FENTAN CL liq. used
- the water content in the pelts
- the thickness of the pelt
- the r.p.m. of the drum
- the types of leathers
- the temperature inside the drum

PACKAGING

145 kg drums or 1100 mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN CWF

Rev. Date 12.2017

DESCRIPTION

FENTAN CWF is a condensed replacement syntan of aromatic sulphonic acids.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White powder
Active substance (%)	:	95 % ± 2
Lightfastness	:	Good
pH (1:10)	:	4.0 ± 1

PROPERTIES

FENTAN CWF is a replacement syntan with excellent tanning properties for all types of leathers e.g.:

For the retanning of shoe-upper leathers with excellent fullness;

For the production of white leathers with geog lightfastness;

To give a very fine buffing-effect in the production of nubuck, short-fibre and bright colours but especially effective for pastel shades.

USE

FENTAN CWF can be used together with chrome during the re-chroming stage; during retanning and after the main fatliquor.

FENTAN CWF can be used in quantities of about 20-30% as a single tanning agent for the production of white leathers.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN DNR

Rev. Date 12.2017

DESCRIPTION

FENTAN DNR is a blend of natural tanning agents.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brown powder
pH (1:10)	:	3,5 ± 1
Dry content	:	95 %

PROPERTIES

FENTAN DNR is used where astringency, fullness and a polish effect are required.

USE

FENTAN DNR is used in the retanning of chrome leathers to give a very firm, tight grain; a uniform dye and a very round character.

FENTAN DNR must be used after neutralization in quantities from 5 to 20%, depending on the thickness and type of wet-blue.

FENTAN DNR can be used as a single chemical in the vegetable tanning or in combination with the vegetable extract where it helps with the exhaustion of the floats.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN GL Liq.

Rev. Date 12.2017

DESCRIPTION

FENTAN GL Liq. is a pyrocatechol tannin.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous liquid dark brown
Active substance	:	40 % ± 2
pH (1:10)	:	4.0 ± 1
Lightfastness	:	Excellent

PROPERTIES

FENTAN GL Liq. is a pyrocatechol vegetable extract suitable for the production of very tight, fine grain.

USE

FENTAN GL Liq. has very good levelling properties in terms of dyeability and creates very even, intense colours.
It performs best when used in quantities of 3 to 6 % after the main fatliquors.

PACKAGING

120 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN GTO

Rev. Date 12.2017

DESCRIPTION

FENTAN GTO is a glutaraldehyde tanning agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent liquid
Active substance (%)	:	50 % ± 2
pH (1:10)	:	3.75 ± 1

PROPERTIES

A tanning and retanning agent.

USE

FENTAN GTO is an organic compound mainly used during the tanning stage to improve chrome exhaustion, increase softness and improve leather tear strength.

FENTAN GTO improves washability and the transpiration properties of leather and confers a uniform dyeing yield.

FENTAN GTO can be used as a single tanning agent for the production of wet-white leathers.

In the production of shrinking grain leather it is used in the following quantities:

- 1.0 - 3.0% during the retanning stage
- 0.5 - 1.5% during chrome tanning.
- 1.5 - 3.0% during wet-white tanning.

PACKAGING

150 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN GTS

Rev. Date 12.2017

DESCRIPTION

FENTAN GTS is a paraldehyde tanning, re-tanning agent (oxazolidine).

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Amber liquid	
Active substance	:	35 %	± 2
pH (1:10)	:	8.5	± 1

PROPERTIES

FENTAN GTS improves the fixing of chrome to leathers.

USE

FENTAN GTS is an oxazolidinic tanning agent which improves the exhaustion of chrome during the tanning and re-tanning processes. It creates full, soft, round leathers.

FENTAN GTS improves washability, enhances the transpiration properties of the leather and gives a uniform dyeing yield.

FENTAN GTS increases fibre tear-strength due to its tanning properties

PACKAGING

125 kg drums or 1000 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN HL 36

Rev. Date 12.2017

DESCRIPTION

FENTAN HL36 is an organic complex of aluminium salt in water dispersion.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
Active substance (%)	:	31.5 % ± 2
pH (1:10)	:	2.0 ± 1
Charge	:	Cationic

PROPERTIES

FENTAN HL36 improves the closing of the fibres giving the nap a more natural appearance.

FENTAN HL36 provides uniform, brilliantly coloured shades.

USE

FENTAN HL36 is normally used during the re-chroming process in quantities of 2 to 6% and provides excellent compact fibres which are easy to buff.

PACKAGING

130 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN NF

Rev. Date 12.2017

DESCRIPTION

FENTAN NF is a condensed replacement syntan of aromatic sulfonic acids for the production of very soft leathers.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Yellowish powder	
Active substance	:	95 %	<i>min.</i>
pH (1:10)	:	3.5	± 1

PROPERTIES

FENTAN NF is a syntan which produces excellent softness and fullness for all types of leathers.

FENTAN NF gives a very fine buffing-effect in the production of nubuck, short fibers and bright colours, especially pastel shades.

USE

FENTAN NF can be used together with other syntans during the re-chroming or re-tanning stage, after the fat-liquor.

FENTAN NF is highly recommended for all types of milled articles like garments or upholstery leathers whenever a low specific weight and fullness are required.

FENTAN NF is used in quantities of 2-4% after main fat-liquor, to give a very fluffy, even pattern.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN OM Liq.

Rev. Date 12.2017

DESCRIPTION

FENTAN OM Liq. is an anionic, general purpose, replacement tanning material.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brownish liquid
Active substance	:	50 % ± 2
pH (1:10)	:	3.6 ± 1
Charge	:	Anionic

PROPERTIES

FENTAN OM Liq. is a general purpose replacement syntan for a wide range of chrome and vegetable-tanned leathers. FENTAN OM Liq. was developed as a replacement syntan for any retannage purpose.

FENTAN OM Liq. produces a very fine grain with a soft feel and good lightfastness without any bleaching effect.

FENTAN OM Liq. improves the penetration of vegetable extracts and gives a high dyeing yield.

USE

FENTAN OM Liq. is used in quantities of 2 to 6% in the re-tanning of chrome leathers after neutralisation, to produce a very tight grain.

It improves the penetration of resins and vegetable extracts; reduces the risk of grain-crack and gives leathers a full, soft touch.

FENTAN OM Liq. is used in the vegetable tanning process in quantities of 10 to 15% of the total amount of vegetable extracts, to improve exhaustion, fixation of tanning materials and uniformity of colour.

PACKAGING

125 kg drums or 1000 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN OM

Rev. Date 12.2017

DESCRIPTION

FENTAN OM is a general purpose replacement syntan for a wide range of chrome and vegetable leathers.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Beige powder	
Active substance (%)	:	95 %	± 2
pH (1:10)	:	4.0	± 1

PROPERTIES

FENTAN OM was developed as a replacement syntan for any retannage purpose.
FENTAN OM produces a very fine grain, soft feel and good lightfastness without any bleaching effect.
FENTAN OM improves the penetration of vegetable extracts and gives a high dyeing yield.

USE

FENTAN OM is used in quantities of 2 to 6% in the retanning of chrome leathers after neutralisation, to produce a very tight grain.
It improves the penetration of resins and vegetable extracts; reduces the risk of grain-crack and gives leathers a full, soft touch.
FENTAN OM is used in the vegetable tanning process in quantities of 10 to 15% of the total amount of vegetable extracts, to improve exhaustion, fixation of tanning materials and uniformity of colour.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN PRO Liq.

Rev. Date 12.2017

DESCRIPTION

FENTAN PRO Liq. is a non-ionic synthetic compound with filling properties.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Viscous brown liquid
Active substance (%)	:	50 % ± 2
pH (1:10)	:	6.0 ± 1
Lightfastness	:	Good

PROPERTIES

FENTAN PRO Liquid is a light brown, non-ionic organic material which is finely dispersed. FENTAN PRO Liquid has been designed to fill the empty, spongy parts of the leather and due to its nature, can also reduce vein marks.

USE

FENTAN PRO Liquid can be added to the drum directly in a bath heated to 30-40°C.

It performs best before chroming in the pickle stage when used in quantities of 2-3 % based on flesh weight and run for 60 minutes, after which normal chrome tannage is continued.

FENTAN PRO Liquid can also be added 30 minutes before re-chroming to obtain exceptional fullness in the empty parts.

It can be used together with the usual blend of syntans and/or resins to obtain a good filling effect without compromising the characteristic softness of the article.

FENTAN PRO Liquid can also be added before fatliquoring.

PACKAGING

120 kg plastic drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENTAN PYB

Rev. Date 12.2017

DESCRIPTION

FENTAN PYB is a blend of natural tannins.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Fine beige powder
Concentration (%)	:	92 % ± 2
pH (1:10)	:	4.5 ± 1

PROPERTIES

FENTAN PYB is a light brown, particularly fine powder, with a low ash content.

USE

FENTAN PYB is particularly suitable for retanning wet blue leather since it increases the fullness of loose parts and maintains a fine grain.

FENTAN PYB can also be used in full vegetable tanning together with other vegetable extracts and in combination with other syntans and anionic resins.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENWAX K 20

Rev. Date 12.2017

DESCRIPTION

FENWAX K 20 is a blend of cationic fatliquors and waxes.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Pearly paste
Active substance (%)	:	50 % ± 2
pH (1:10)	:	5.0 ± 1
Charge	:	Cationic

PROPERTIES

FENWAX K 20 gives warm, silky touch and helps the exhaustion-fixation of other oils.

USE

FENWAX K 20 is used in quantities of 4 to 8% in the main fatliquor of shoe-upper leathers to give a very full, warm, waxy touch.

FENWAX K 20 is used in quantities of 1 to 2% after the main fatliquor in the float to produce a very warm touch and prevent grain-crack problems.

PACKAGING

110 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENWAX PULL

Rev. Date 12.2017

DESCRIPTION

FENWAX PULL is an emulsion of oil and waxes.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brown-yellowish solid
Active substance (%)	:	98 % ± 2
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENWAX PULL is a special stuffing compound which provides roundness, fullness and a waxy touch which is designed for crazy horse and pull-up leather.

USE

FENWAX PULL is used in quantities 5% to 10% as a single oil, or in combination with FENOIL CS or FENOIL ME in the main fatliquor, to produce leathers with a warm, waxy touch and a very good temper.

PACKAGING

50 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

NEUTROFEN AK

Rev. Date 12.2017

DESCRIPTION

NEUTROFEN AK is a neutralising syntan.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Beige-brown powder
Active substance (%)	:	95 % ± 2
pH (1:10)	:	7.0 ± 1

PROPERTIES

NEUTROFEN AK is recommended for the mild neutralisation of wet-blue, where homogeneous and well-penetrated deacidification is required.

NEUTROFEN AK gives a very fine, elastic grain.

It aids the penetration of the retanning agents and prevents any formation of the chrome 6+ complex in to the leather.

USE

NEUTROFEN AK is used in the neutralisation of wet-blue in a quantity of 1 to 4%.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

NEUTROFEN SL Liq.

Rev. Date 12.2017

DESCRIPTION

NEUTROFEN SL Liq. syntan product based on naphthalenic sulfonic acids.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brown solution
Concentration	:	46.5 % ± 2
pH (1:10)	:	6.5 ± 1

PROPERTIES

NEUTROFEN SL Liq. is a syntan with good dispersion properties.

USE

NEUTROFEN SL Liq. improves the distribution of vegetable and mineral tanning materials if used in tanning.

It is recommended for the deacidification of chrome tanned leathers if strong retanning with vegetable extracts is to be performed.

An excellent penetration effect of the natural grease is obtained.

PACKAGING

130 kg drums or 1100 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

NEUTROFEN SL

Rev. Date 12.2017

DESCRIPTION

NEUTROFEN SL is a syntan based on naphthalene sulfonic condensation with excellent dispersion properties.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Beige-brown powder	
Active substance (%)	:	95 %	± 2
pH (1:10)	:	7.0	± 1

PROPERTIES

NEUTROFEN SL is a syntan dispersion mainly used to help in the distribution and penetration of all syntans, anionic dyestuffs and vegetable extracts.

USE

NEUTROFEN SL is usually used in quantities of 1-3% together with syntans to aid distribution and dye penetration.

NEUTROFEN SL is used during the degreasing stage of pickled pelts to aid the extraction and emulsification of natural fat.

NEUTROFEN SL can also be used to help fixation and exhaustion in rechroming and prevent uneven dyeing, especially on nubuck leathers.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

NEUTROFEN TFN

Rev. Date 12.2017

DESCRIPTION

NEUTROFEN TFN is a lightfast, dyeing auxiliary with excellent levelling properties for all types of shades.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brownish powder
Active substance (%)	:	96 % ± 2
pH (1:10)	:	6.5 ± 1

PROPERTIES

NEUTROFEN TFN is a lightfast syntan used to level anionic dyeing on chrome leather, especially on dark shades.

NEUTROFEN TFN increases light resistance on crust leathers without yellowing when exposed to heat.

USE

NEUTROFEN TFN is usually added in quantities of 0.5 - 2.0% with the dyestuffs to level them and increase the lightfastness of crust leathers.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.



Wet-End Chemicals
AUXILIARIES

AUXILIARIES

BIANCO PB

Rev. Date 12.2017

DESCRIPTION

BIANCO PB is a white microfine titanium dioxide in solution.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White paste
Active substance (%)	:	40% ± 2
Charge	:	Anionic

PROPERTIES

BIANCO PB is an aqueous dispersion of titanium dioxide which has an excellent whitening effect.

It gives chrome leather a high degree of whiteness.

USE

Due to its concentration and very good dispersing ability in water, BIANCO PB is highly penetrative and produces a very intense, perfectly uniform, white tone.

PACKAGING

30 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENFILL TF

Rev. Date 12.2017

DESCRIPTION

FENFILL TF is a protein filler.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Beige white powder
Active substance (%)	:	95 %
pH (1:10)	:	7.0 ± 1

PROPERTIES

FENFILL TF is a protein filler mainly used to fill the empty parts, without hardening the leathers. Due to its nature, FENFILL TF does not influence the dyeability of leathers and helps in the fixation of the fat-liquor.

USE

FENFILL TF is normally used before fat-liquor, to preserve the empty parts, or together with the re-tanning agents to increase the roundness of the leathers.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL 30 WB

Rev. Date 12.2017

DESCRIPTION

FENKAL 30 WB is a multi-purpose fungicide Thiocyanomethyl-thiobenzothiazole (TCMTB) in an aqueous media.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Dark yellow liquid
Active substance (%)	:	30 % ± 1
pH (1:10)	:	3.5 ± 2

PROPERTIES

FENKAL 30 WB has been specially designed to prevent microbial growth during production and long-term storage.

USE

FENKAL 30 WB can be used in processes such as pickling, tanning and re-tanning during leather production.

FENKAL 30 WB is active at both slightly below a pH of 3.0 or, slightly above a pH of 4.0.

The factors which affect the quantity used include the leather type and its origin; as well as the conditions and length of storage.

For guidance, a rate of 0.05 – 0.1 % is recommended

PACKAGING

60 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL ANT

Rev. Date 12.2017

DESCRIPTION

FENKAL ANT is an all-purpose bactericide.
Sodium dimethyldithiocarbamate in the form of an aqueous solution.

PHYSICAL CONSTANTS

	<i>Standard Value</i>	
Appearance	:	Slightly yellowish liquid.
Active substance (%)	:	40% ± 1
pH (1:10)	:	9.5 ± 2
Charge	:	Anionic.

PROPERTIES

FENKAL ANT is a highly active bactericide used to prevent skins and hides from degrading due to bacterial action during the production process.

USE

FENKAL ANT can be mixed with water in any degree of concentration and is mainly applied to skins and hides at the beginning of the soaking operation.

FENKAL ANT does not repair any damage that may have been caused to leathers by bacteria prior to its use.

Once applied however, it prevents any previous damage from continuing.

FENKAL ANT should be added to the soak-liquor.

FENKAL ANT should be distributed homogeneously to obtain the best possible results, so it is highly recommend to dilute the product prior to adding it to the bath.

PACKAGING

125 kg drums or 1100 tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL ANT/B

Rev. Date 12.2017

DESCRIPTION

FENKAL ANT/B is an all-purpose bactericide.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Clear liquid
pH (1:10)	:	7.5 ± 2

PROPERTIES

FENKAL ANT/B is a highly active bactericidal.

USE

FENKAL ANT/B is a highly active bactericidal based on iodine salt which is used to prevent skins and hides from being damaged by bacterial action during the soaking process.

FENKAL ANT/B has a low impact on the environment due to its nature.

PACKAGING

60 kg drums or 1000 tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL CPA

Rev. Date 12.2017

DESCRIPTION

FENKAL CPA is a compound of aliphatic acids.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White to yellowish powder
Active substance (%)	:	99% ± 1
pH (1:10)	:	1.5 ± 1

PROPERTIES

FENKAL CPA is a de-liming compound free of chlorides and ammonium salt.

USE

FENKAL CPA is used at the de-liming stage in quantities of about 1.5 to 2.5% in combination with ammonium sulfate which helps remove the lime chemically linked to the collagen structure and prepares the pelt to absorb higher quantities of chrome.

FENKAL CPA is used in the wetting back of wet-blue and retains its own characteristics of giving excellent penetration and distribution to the next production stage.

FENKAL CPA is used in quantities of about 0.5 to 1% in the wetting-back of splits with different origins to improve colour uniformity.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL CPA/6

Rev. Date 12.2017

DESCRIPTION

FENKAL CPA/6 is a de-liming agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White to yellowish powder
Active substance (%)	:	99% ± 1
pH (1:10)	:	2.5 ± 1

PROPERTIES

FENKAL CPA/6 is a de-liming compound free of chlorides.

USE

FENKAL CPA/6 is used at the de-liming stage in quantities of about 1.5 to 2.5% in combination with ammonium sulfate to remove the lime which is chemically linked to the collagen structure and prepares the pelts to absorb higher quantities of chrome.

FENKAL CPA/6 ensures the pelts are fully penetrated and do not empty.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL DDS Extra Conc.

Rev. Date 12.2017

DESCRIPTION

FENKAL DDS Extra Conc. is a non-ionic wetting agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Colourless liquid
Active substance (%)	:	70% ± 2
pH (1:10)	:	5.5 ± 1
Charge	:	Non-ionic

PROPERTIES

FENKAL DDS Extra Conc. is a blend of surfactants and strong wetting agents which reduces surface tension and allows water absorption.

USE

FENKAL DDS Extra Conc. can be used during soaking to facilitate the absorption of water from pelts.

FENKAL DDS Extra Conc. reduces the risk of hair-roots and heightens the yield of the final wet-blue.

Due to its properties, FENKAL DDS Extra Conc. can be used in the wetting-back of both crust and wet-blue leathers.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL DDS

Rev. Date 12.2017

DESCRIPTION

FENKAL DDS is a non-ionic wetting agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Colourless liquid
Active substance (%)	:	40% ± 2
pH (1:10)	:	5.5 ± 1
Charge	:	Non-ionic

PROPERTIES

FENKAL DDS is a blend of surfactants and strong wetting agents which reduces surface tension and allows water absorption.

USE

FENKAL DDS can be used during soaking to help the absorption of water from pelts. FENKAL DDS reduces the risk of hair-roots and heightens the yield of the final wet-blue. Due to its properties, FENKAL DDS can be used in the wetting-back of both crust and wet-blue leathers.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL DHX

Rev. Date 12.2017

DESCRIPTION

FENKAL DHX is a hyaluronidase enzyme for the soaking process.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Pale powder
pH	:	8 +/- 1
Enzyme unit	:	800 LVU/g

PROPERTIES

FENKAL DHX is a new product based on a hyaluronidase enzyme for the soaking process of cowhides, calfskin and bull skin.

USE

FENKAL DHX differs from the previous product due to its lower stretching properties and a high hyaluronidase action that fits small, high quality leathers perfectly. The final result is improved, since the active substance retains its wrinkle-stretching, grain cleaning action for the whole soaking process. The presence of FENKAL DHX can considerably reduce the duration required and leaves no residue, as the active ingredients are exhausted. The attraction towards the globular proteins of the dermis leaves the grain unaffected, still clean, steady and stretched.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL DOL

Rev. Date 12.2017

DESCRIPTION

FENKAL DOL is a mixture of fatty amides.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Active substance (%)	:	21%	± 1
pH (1:10)	:	8,0	± 2
Appearance	:	Whitish paste	
Lightfastness	:	Excellent	

PROPERTIES

FENKAL DOL is a special mixture that can be used at various stages of processing. It is stable with both anionic and non-ionic products.

USE

When used in the soaking of wet blue skins, FENKAL DOL accelerates the rate at which the leather is hydrated which creates a uniform surface and section of wet blue leathers of different origins. This results in dyeing uniformity and brilliance.

Leathers treated with FENKAL DOL are more open and relaxed and finished leathers have enhanced burst and tear resistance.

In the fattening process, FENKAL DOL ensures very full dyeing, a silky touch and shiny grain.

Ideal for drummed articles.

PACKAGING

120 kg drums or 1100 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL FR

Rev. Date 12.2017

DESCRIPTION

FENKAL FR auxiliary for treatment of free formaldehyde.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent liquid
Active substance (%)	:	11 ± 1
pH (1:10)	:	6.0 ± 2

PROPERTIES

FENKAL FR is a limpid liquid able to react with the free formaldehyde present accumulated in the skin during the process.

USE

FENKAL FR can be easily without degrading the dye tone, at the end after fixation in new bath. The suggested amount is 2 %.

PACKAGING

130 kg drums or 1100 mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL GFW

Rev. Date 12.2017

DESCRIPTION

FENKAL GFW is an anionic surfactant.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	White yellowish cream	
Active substance (%)	:	26	± 1
pH (1:10)	:	6.5	± 2

PROPERTIES

FENKAL GFW is an anionic surfactant for general use.

USE

FENKAL GFW can be used as a general surfactant.

Improving wetting and emulsifying, it has better dispersing qualities than the majority of similar products.

In chrome and vegetable tanned leathers, it regulates fatty substances as well as improving the distribution of fatliquors.

PACKAGING

30 kg or 120 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL IPO

Rev. Date 12.2017

DESCRIPTION

FENKAL IPO is a bleaching agent.

PHYSICAL CONSTANTS

	<i>Standard Value</i>
Active substance (NaClO ₂) :	Min. 32
Appearance :	Yellowish liquid

PROPERTIES

FENKAL IPO is a very strong oxidising agent which bleaches the natural pigmentation of leather.

USE

FENKAL IPO can be used in the pickle prior to the addition of acid to remove the natural pigmentation of the leathers.

The resulting effect on wet-blue is to make it lighter and cleaner in colour.

FENKAL IPO can also be used in the wetting-back of wet-blue where it helps to remove any staining during storage and makes the different origins of wet-blue less apparent.

PACKAGING

60 kg drums or 1100 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL LE

Rev. Date 12.2017

DESCRIPTION

FENKAL LE is an anionic surfactant agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Colourless liquid	
Active substance (%)	:	26%	± 1
pH (1:10)	:	6.5	± 2
Charge	:	Anionic	

PROPERTIES

FENKAL LE is suitable as: - a degreasing agent for pelts;
- a wetting and washing agent for furs.

USE

FENKAL LE can be used in the wetting-back of wet-blue and as an emulsifier agent in the liming and de-liming process of pelts.

Its properties make it highly recommended for use with the main fat-liquor to stabilize and disperse different types of fats.

PACKAGING

120 kg drums or 1100 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL MC 10

Rev. Date 12.2017

DESCRIPTION

FENKAL MC 10 is a pancreatic leather bating agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Beige powder
Enzyme unit	:	1000 LVU/g
pH	:	6.0 – 8.0

PROPERTIES

FENKAL MC 10 is a bating agent based on bacterial pancreatic proteases with delimiting salts and carriers. It is capable of bating leather without damaging its weaker, spongier parts such as the bellies.

USE

FENKAL MC 10 can have an excellent bating effect within a pH range of between 6.0 and 8.0, and at a temperature ranging from 30 to 38°C.

FENKAL MC 10 has low bating power and average delimiting power. It can be used on all types of leathers which need to be tanned.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL MO

Rev. Date 12.2017

DESCRIPTION

FENKAL MO is a basifying agent for chrome tannage.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	White powder	
Active substance (%)	:	Magnesium salts	Min. 98-100%

PROPERTIES

FENKAL MO is a fine white powder based on magnesium oxide.

USE

FENKAL MO is used for the basification of chrome tannage to produce wet-blue leathers with a light, uniform colour.

FENKAL MO is practical and easy-to-use as it can be added to the drum dry, due to its slow solubilisation which varies according to bath temperature.

After its addition, the drum should be run for about 6 to 8 hours at a final temperature of 38 – 40°C to obtain the best exhaustion of the residual bath.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL NG/S

Rev. Date 12.2017

DESCRIPTION

FENKAL NG/S is a blend of non-ionic ethoxylated surfactants.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Active substance (%)	:	40%	± 1
pH (1:10)	:	6.0	± 2
Appearance	:	Transparent liquid	

PROPERTIES

FENKAL NG/S is a combination of non-ionic surfactants which have an excellent degreasing, wetting action.

USE

FENKAL NG/S is high stable making it suitable for use at all stages of processing. FENKAL NG/S can also be used in high percentages on goat and pig skins without affecting the chemical and physical characteristics of the skin.

PACKAGING

1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL NRG/A

Rev. Date 12.2017

DESCRIPTION

FENKAL NRG/A is a bate enzymatic agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Beige powder
pH (1:10)	:	6.0 ± 2

PROPERTIES

FENKAL NRG/A is a bate enzymatic agent which performs excellently in a pH range between pH4.5 and pH 6.5, so ideal for bating in acid environments during the pickle bath.

USE

FENKAL NRG/A can be used on imported leather and crust at the pickling stage. When suitably limed and bated, it can be further softened by bating in an acid environment to avoid the creasing caused by the drying effect of long storage. FENKAL NRG/A is also very good for supporting wet blue leather soaking and looseness which have been subjected to heavy dehydration caused by bad storage.

PACKAGING

25 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL OD/K

Rev. Date 12.2017

DESCRIPTION

FENKAL OD/K is a biologically-based product for neutralizing odours.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent liquid
pH (1:10)	:	7.0 ± 1

PROPERTIES

FENKAL OD/K is a biologically-based liquid used for neutralizing odours.

USE

FENKAL OD/K neutralizes unpleasant odours without masking them. It has a rapid, efficient and long-lasting effect.

FENKAL OD/K neutralizes the molecules responsible for odours and prevents the formation of further unpleasant odours.

It can be sprayed on the flesh side of finished leather, pure or diluted with water, according to the odour intensity and storage and shipping arrangements.

For industrial use only.

PACKAGING

120 kg plastic drums or 1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL RD3

Rev. Date 12.2017

DESCRIPTION

FENKAL RD3 is an enzymatic product.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White powder
pH	:	5 ± 1
Enzyme unit	:	2000 LVU/g

PROPERTIES

FENKAL RD3 is an enzymatic product designed for use at the re-tanning, neutralisation stage.

FENKAL RD3 is used in the wetting back of wet-blue to help the fibres open up.

It improves the distribution of products during the subsequent procedures and levels out the dye, improving leather dyeability.

FENKAL RD3 is free from chemicals that can increase the C.O.D. and B.O.D.5.

Leathers treated with FENKAL RD3 will have a maximum dye yield.

USE

The most favourable pH value is between 4.5 and 8.0.

Used in a percentage of 1-2% in the wetting back of wet-blue, FENKAL RD3 helps the dried grains to open up and create uniform absorption.

FENKAL RD3 can be used in quantities of 1-4% in the neutralization of all floater type articles where softness and a light weight are required.

Due to its properties, the same softness is obtained when the quantity of fatliquor is reduced by 10-15%.

PACKAGING

25 kg bags on 1000 kg pallet.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL SR

Rev. Date 12.2017

DESCRIPTION

FENKAL SR is an organic auxiliary agent with anti-wrinkle properties.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
pH (1:10)	:	10.0 ± 2

PROPERTIES

FENKAL SR is a yellowish liquid consisting of a balanced combination of linear chain amines and organic salts in an aqueous solution stable to electrolytes.

USE

FENKAL SR is widely used in applications for soaking and liming all kinds of leather ranging from the production of veg-leathers to those that are chrome tanned.

FENKAL SR increases lime solubility and improves the grain by removing both fatty and iron stains.

It also improves fibre extension and creates a smoother grain.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL SV/M

Rev. Date 12.2017

DESCRIPTION

FENKAL SV/M is a solvent based degreaser.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Pale yellow fluid
Active substance (%)	:	100%
pH (1:10)	:	8.5 ± 1

PROPERTIES

FENKAL SV/M is a strong, solvent based degreasing agent which is easily miscible with water that degreases cow or pickled leathers such as sheepskins and pigskins, even at low temperatures.

USE

Due to its nature, FENKAL SV/M can be used in quantities of between 0.5 and 3% with other detergents.

PACKAGING

900 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENKAL SW

Rev. Date 12.2017

DESCRIPTION

FENKAL SW is a wetting agent.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Clear liquid
pH (1:10)	:	7,5 ± 2
Charge	:	Non-ionic

PROPERTIES

FENKAL SW is a slightly alkaline softener with good wetting and emulsifying properties.

USE

FENKAL SW will accelerate the hydration of the pelts by opening up the fibres thereby preparing the leathers for optimum lime penetration.

The resulting limed pelts will be evener softer and have a clear, grain surface.

PACKAGING

125 kg drums or 1100 tanks

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

NEUTROKAL BA

Rev. Date 12.2017

DESCRIPTION

NEUTROKAL BA methylene-linked condensation product made of arylsulfonic acids.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
Active substance (%)	:	95 % ± 2
pH (1:10)	:	6.0 ± 1
Charge	:	Anionic

PROPERTIES

NEUTROKAL BA is an anionic, lightfast dyeing auxiliary with very good levelling properties used for pastel shades and medium hues.

USE

Although readily soluble water, NEUTROKAL BA is normally used in an undissolved form.

NEUTROKAL BA has no effect on colour in the presence of iron salts.

NEUTROKAL BA goes onto chrome leather well, without loading the grain.

The product has outstanding lightfastness.

Leathers treated with NEUTROKAL BA do not yellow, even after prolonged exposure to light. By reducing the affinity of anionic dyestuffs, absorption occurs more slowly and more evenly.

PACKAGING

20 kg bags on 1000 kg pallets.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.



Wet-End Chemicals
FATLIQUORS

FATLIQUORS

FENCAT P

Rev. Date 12.2017

DESCRIPTION

FENCAT P is a blend of ethoxilated fatty amido-amines.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Pearly paste
Active substance (%)	:	15.5 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	8.0 ± 1
Chrome stability	:	Stable
Charge	:	Cationic

PROPERTIES

FENCAT P is a lightfast cationic fatliquor which is used as a handle modifier.

It helps to prevent grain-crack problems.

FENCAT P gives a warm, silky touch and increases glossiness and the writing effect, especially on velour leathers.

USE

FENCAT P can be used at the re-chroming stage to help make the leathers slippery without compromising the quality of grain.

Used as 1% to 2% in the main fatliquor of velour articles, FENCAT P improves their silky handle and colour brightness.

Used 1% to 2% on full grain leathers in the final bath after fixation, FENCAT P gives a pleasant touch and protects the grain during drying.

PACKAGING

120 kg drums or 1100 mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL 94S

Rev. Date 12.2017

DESCRIPTION

FENOIL 94S is a combination of synthetic and natural oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Active substance (%)	:	53% ± 2
Lightfastness	:	Very good
pH (1:10)	:	5.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL 94S is a reddish brown fatliquor which is a combination of sulfitated natural and synthetic oils that give the leather a high degree of softness.

USE

FENOIL 94S can be used alone as a fatliquor or in combination with other anionic fatliquors.

It is compatible with both natural and synthetic tanning agents and stable to salts in their usual level of concentration.

FENOIL 94S has good lightfastness and produces soft, light leathers with a waxy feel; facilitating the production of a variety of different articles.

PACKAGING

120 kg plastic drums or 1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL 106

Rev. Date 12.2017

DESCRIPTION

FENOIL 106 is an emulsification of chlorinated paraffins.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White to yellowish paste
Active substance (%)	:	82% ± 2
Lightfastness	:	Excellent
Chrome stability	:	Stable
Acid stability	:	Stable

PROPERTIES

FENOIL 106 is a lightfast fatliquor which helps to prevent the formation of fatty spew and grain-crack problems, as well as increasing leather tear strength.

FENOIL 106 gives a warm, silky handle and helps in the exhaustion-fixations of the other oils.

USE

FENOIL 106 is used during the main fatliquoring process in quantities of 1 to 2% to prevent fatty spew and reduce grain-crack problems.

FENOIL 106 is used during chrome tannage or re-chroming in quantities of 0.5% to 2% to help improve the tear-strength of hides and level out the natural fats.

FENOIL 106 is used during the main fat-liquoring process in quantities of 2 to 4% in the production of velour articles to improve the writing effect; give a warm, silky handle and help in the exhaustion of the other oils.

FENOIL 106 on shoe-uppers provides similar results to natural oils such as lanoline or lecithin and gives the same warm handle.

FENOIL 106 can be used also in the main fatliquor of full vegetable leathers in combination with other oils.

PACKAGING

120 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL 860

Rev. Date 12.2017

DESCRIPTION

FENOIL 860 is a combination of natural phospholipids and synthetic esters.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent liquid
Active substance (%)	:	45 % ± 2
Lightfastness	:	Good
pH (1:10)	:	6.0 ± 1
Charge	:	anionic

PROPERTIES

FENOIL 860 is a fatliquor particularly suitable for soft items. It can be used in combination with other synthetic fatliquors and with the most common re-tanning agents.

USE

Leathers treated with FENOIL 860 have excellent fullness and a pleasant warm, silky, smooth feel. Even if used in large quantities, FENOIL 860 does not have a negative effect on the specific weight of the leathers.

In the fattening stage of furniture leathers, 14-16 % on shaved weight is recommended if used alone, 8-10 % if used in a mixture.

PACKAGING

120 kg plastic drums or 1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL BK

Rev. Date 12.2017

DESCRIPTION

FENOIL BK is a blend of sulphated natural oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Red-brown liquid
Active substance (%)	:	75% ± 2
Lightfastness	:	Excellent
pH (1:10)	:	6.7 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL BK is a sulphated fatliquor for full, tight, shoe-upper leather.

FENOIL BK helps to prevent grain-crack problems and gives a pleasant waxy handle.

USE

FENOIL BK is a fatliquor for all types of medium soft articles: Shoe uppers, handbags, vegetable and semi-vegetable leathers.

FENOIL BK is used in the main fatliquor in quantities of 2 to 4% in combination with FENOIL CS or FENOIL WG to give the best results for classic shoe-uppers and other leather articles.

PACKAGING

140 kg drums or 1000 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL C075

Rev. Date 12.2017

DESCRIPTION

FENOIL C075 is a sulphited natural oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Active substance (%)	:	75 %	± 2
pH (1:10)	:	7.5	± 1
Appearance	:	Clear brown liquid	
Charge	:	Anionic	

PROPERTIES

FENOIL C075 is a highly stable fatliquor with strong softening properties.

USE

FENOIL C075 has exceptional penetrative and softening properties.

It can be used for a wide range of articles at any stage of the process, including tanning, to produce a full, natural handle.

FENOIL C075 is a highly stable electrolyte which can be applied in pickle and chrome tanning.

It can be easily mixed with all FENCOLOR's other anionic fatliquors.

PACKAGING

140 kg plastic drums or 1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL CS

Rev. Date 12.2017

DESCRIPTION

FENOIL CS is an oxidized sulphited fish oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brown liquid
Active substance (%)	:	86.5 % ± 2
Lightfastness	:	Medium
pH (1:10)	:	7.0 ± 1
Chrome stability	:	Stable
Charge	:	Anionic

PROPERTIES

FENOIL CS imparts excellent softness and a warm, round touch to leather.

USE

FENOIL CS can be used as a single fatliquor for all types of soft leather articles such as upholstery, gloves and double-faced leather.

At the re-chroming stage, 0.5 to 3% of FENOIL CS is used, depending on the wet-blue conditions.

During neutralisation, it is used to open up the leathers and to impart more elasticity to the fibres.

On garment leather articles, 8-10% of FENOIL CS on shaved weight, is used in the main fatliquor, with other oils as required.

On upholstery leather, 10 to 12% of FENOIL CS on shaved weight, is used in the main fatliquor.

On split articles, 3-4% of FENOIL CS on shaved weight is used in the main fat-liquor in combination with other oils as required.

PACKAGING

140 kg drums or 1000 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL ES5

Rev. Date 12.2017

DESCRIPTION

FENOIL ES5 is a blend of synthetic esters.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
Active substance (%)	:	51 % ± 1
Lightfastness	:	Excellent
pH (1:10)	:	5.5 ± 1
Chrome stability	:	Stable
Acid stability	:	Stable
Charge	:	Anionic

PROPERTIES

FENOIL ES5 is a lightfast fatliquor suitable for all kinds of soft articles with a low specific weight.

FENOIL ES5 gives a warm, silky touch and helps the distribution of the other oils into the leathers.

USE

FENOIL ES5 is used during main fatliquoring process in combination with other oils up to 50-60% of the total amount.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL ES6

Rev. Date 12.2017

DESCRIPTION

FENOIL ES6 is a synthetic ester blend.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellow liquid
Dry content (%)	:	48% ± 2
Lightfastness	:	Excellent
pH (1:10)	:	4.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL ES6 is a fully synthetic fattening, suitable for all types of leather to which it gives a high degree of softness; a low specific weight and a good writing effect.

USE

FENOIL ES6 has excellent lightfastness, so is therefore suitable for the production of white skins. Used in combination with other fatliquors, it increases their penetration resulting in a very exhausted bath.

Due to its high resistance to electrolytes and polyvalent metal salts such as aluminium and eighth notes, FENIL ES6 can also be used in pickling or tanning.

PACKAGING

120 kg plastic drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL FULL

Rev. Date 12.2017

DESCRIPTION

FENOIL FULL is a synthetic and natural emulsified oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White cream paste
Active substance (%)	:	44% ± 3
Lightfastness	:	Excellent
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL FULL is an anionic fatliquor based on emulsified synthetic and natural oils. It has a white-cream paste appearance and capable of producing an emulsion quite stable to acids.

USE

FENOIL FULL is a fatliquor suitable for making soft, spongy articles which does not degrade dyeing.

FENOIL FULL creates no problems at all in the finishing process.

RECOMMENDED PERCENTAGES OF USE:

As fattening for soft articles like "tassel", a quantity of 4-8% of shaved weight, in combination with other fatliquors is recommended.

PACKAGING

120 kg plastic drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL GK

Rev. Date 12.2017

DESCRIPTION

FENOIL GK is an emulsion of oxyethylated vegetable oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellow-brown paste
Active substance (%)	:	47.5 % ± 2
Lightfastness	:	Good
pH (1:10)	:	7.5 ± 1

PROPERTIES

FENOIL GK gives treated leather a pleasant smell and has good emulsibility under normal working conditions.

FENOIL GK is the classic fattening for sheep skins and soft, calf leather articles to which it confers a smooth, silky touch; a low specific weight and a good feeling of fullness; all of which are characteristics necessary for the production of high quality 'nappa' articles.

USE

FENOIL GK is stable in a mixture with synthetic oils and natural sulfitated and/or sulfonated oils. It is usually recommended to emulsify the product with warm water in a ratio of 1:3 before use but can be added to sheep skins directly in the drum.

PACKAGING

120 kg plastic drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL HF

Rev. Date 12.2017

DESCRIPTION

FENOIL HF is a blend of synthetic ester.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White to yellowish paste
Active substance (%)	:	49 % ± 1
Light fastness	:	Excellent
pH (1:10)	:	6.5 ± 1
Chrome stability	:	Stable
Acid stability	:	Stable
Charge	:	Anionic

PROPERTIES

FENOIL HF is a lightfast fat-liquor which helps to prevent the formation of fatty spew and increases leather tear strength.

FENOIL HF distributes natural fats and helps the penetration of chrome.

USE

FENOIL HF is used during main fatliquoring in quantities of 4 to 8% to produce very soft, lightweight articles such as garments, upholstery and double-faced leathers.

FENOIL HF is used during the pickling stage, chrome tannage or re-chroming, in quantities of 0.5 to 2.0%, to improve hide tear strength, the levelling of natural fats and penetration of chrome. FENOIL HF is used as a wetting agent on crust suede in quantities of 1 to 2% to retain the same warm touch and improve the velvet effect.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL LCT

Rev. Date 12.2017

DESCRIPTION

FENOIL LCT emulsified natural phospholipids with softeners.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Brown viscous liquid
Active substance (%)	:	91 % ± 1
Light fastness	:	Good
pH (1:10)	:	6.75 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL LCT gives leather excellent softness, roundness, a warm touch and a low specific weight.

FENOIL LCT improves the crease resistance of very soft articles and can be used for the production of white and lightresistant leather.

USE

FENOIL LCT fatliquor is used for all types of soft articles: shoe uppers, upholstery, car seats, gloves and double-faced leather. FENOIL LCT can be used in re-chroming as a pre-fatliquor in a percentage of 0.5 to 3.0, depending on the type of article.

FENOIL LCT is used in the main fatliquor of floater types or nappa leathers in combination with other fatliquors in a quantity of 50% of the total amount. FENOIL LCT is used in the main fatliquor for car upholstery leathers in a quantity of up to 3% on shaved weight and also that for velour leathers, to give very bright shades and a silky touch.

PACKAGING

140 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, cool, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the the technical and safety data sheets.

FENOIL LN

Rev. Date 12.2017

DESCRIPTION

FENOIL LN is a lanoline based fatliquor.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish paste
Active substance (%)	:	52.5 % ± 2
Light fastness	:	Good
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL LN has a good softening effect, lubricates the grain reducing the risk of grain-crack and confers a warm, waxy touch.

USE

FENOIL LN is recommended for classic articles such as soft shoe uppers, burnish and nubuck leathers.

FENCIL LN is used in quantities of 2 to 3% in the main fatliquor in with FENCIL BK or FENOIL WG to give a full, very tight, warm touch.

FENOIL LN is used in quantities of 2 to 4% in the main fatliquor of suede or nubuck leathers to give a very pronounced writing effect and warm touch without any fattiness.

PACKAGING

130 kg drums.

STORAGE

Store in a cool, dry, well ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL ME

Rev. Date 12.2017

DESCRIPTION

FENOIL ME is an emulsified mineral oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish liquid
Active substance (%)	:	82.5 % ± 2
Light fastness	:	Excellent
pH (1:10)	:	3.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL ME improves the penetration of oil-wax into the leathers.

FENOIL ME improves the colour brilliance of suede leathers.

USE

FENOIL ME is used in the main fatliquor in a quantity of about 10% of the total amount of oils or waxes, to aid the penetration and distribution of fatliquors.

FENOIL ME is used in the main fatliquor of velour leathers in quantities 2 to 4% to improve the writing effect and colour brilliance.

PACKAGING

120 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL MZL

Rev. Date 12.2017

DESCRIPTION

FENOIL MZL is a blend of synthetic and sulphited natural oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Active substance (%)	:	47 %	± 2
Lightfastness	:	Good	
pH (1:10)	:	5.5	± 1
Appearance	:	Yellowish-orange fluid	

PROPERTIES

FENOIL MZL creates leathers with a high degree of softness and a dry hand due to its good penetration properties.

FENOIL MZL has a wide range of uses and is especially good for the production of very soft articles such as garment nappa and upholstery.

USE

FENOIL MZL has excellent lightfastness and the ability to fix itself to leather fibre structures with low extractibility and migrability making it an ideal fatliquor for splits finished "by-cast" and for all kind of leathers finished using organic solvent based products.

RECOMMENDED PERCENTAGES OF USE:

In fatliquor process for NAPPA	8-10% on shaved weight
In fatliquor process for splits	6-8 % on shaved weight

PACKAGING

120 kg drums or 1100 tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL NFO

Rev. Date 12.2017

DESCRIPTION

FENOIL NFO is a natural neats foot oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Clear yellow liquid
Active substance (%)	:	98.5 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	6.5 ± 1
Charge	:	no-ionic

PROPERTIES

FENOIL NFO is a lightfast fatliquor which provides exceptional grain lubrication and increases leather tear-strength.

USE

FENOIL NFO is used in combination with the main fat liquor in quantities of 4 to 8% of the total amount of fats and produces very tight leathers.

FENOIL NFO in full vegetable tanned leather improve the elasticity of grain and reduce the cracking effect.

FENOIL NFO can be used to good effect on waterproof articles for a more natural feel of the leather.

PACKAGING

120 kg plastic drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL OPB

Rev. Date 12.2017

DESCRIPTION

FENOIL OPB is a synthetic neatsfoot oil.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Transparent to yellowish fluid
Active substance (%)	:	98.5 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	6.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL OPB is a lightfast fatliquor which provides exceptional grain lubrication and increases leather tear-strength.

USE

FENOIL OPB is used in combination with the main fat liquor in quantities of 4 to 8% of the total amount of fats and produces very tight leathers.

PACKAGING

120 kg plastic drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL SE07

Rev. Date 12.2017

DESCRIPTION

FENOIL SE 07 is a natural, synthetic phosphate fatty polymer.

PHYSICAL CONSTANTS

		<i>Standard Value</i>	
Appearance	:	Yellow to brown viscous liquid	
Active substance (%)	:	47 %	± 2
pH (1:10)	:	5	± 1

PROPERTIES

FENOIL SE 07 creates extremely soft leathers and when used in combination with other products improves their penetrative and fixation properties.

It gives a soft, airy fullness.

USE

FENOIL SE 07 is highly recommended for leather bags, shoe uppers and garments.

FENOIL SE 07 stabilizes and disperses fatliquor emulsions to ensure a very uniform softening effect all over the skin, helping to create one of the most important conditions for good milling.

The strong, lasting absorption by the fibres, makes FENOIL SE 07 especially suitable for the fatliquoring of washable leathers.

PACKAGING

140 kg plastic drums or 1000 kg tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL SPS

Rev. Date 12.2017

DESCRIPTION

FENOIL SPS is a blend of emulsified natural and synthetic oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Yellowish cream-paste
Active substance (%)	:	46 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	7.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL SPS is a fatliquor blend for very soft, low weight leathers.
FENOIL SPS links with leather fibres and produces exceptional inner softness.

USE

FENOIL SPS can be used as a single fatliquor for the production of all milled articles such as upholstery, garments, or soft 'nappa' type leathers.

FENOIL SPS is used in the main fatliquor in quantities of 3 to 6% in combination with FENOIL LCT and FENOIL WG to give the best results on milled 'nappa' leathers.

FENOIL SPS is used in the main fatliquor in combination with FENOIL WG or FENOIL CS to produce bright, very silky, suede leathers.

PACKAGING

140 kg drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.
For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL WG

Rev. Date 12.2017

DESCRIPTION

FENOIL WG is a blend of sulphited natural and synthetic oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	Clear yellow liquid
Active substance (%)	:	61 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL WG is a sulphited multi-propose fat-liquor for all types of leather articles. FENOIL WG helps to prevent grain-crack problems on small hides and confers a pleasant, silky touch.

USE

FENOIL WG is a fatliquor for all types of leather articles: Shoe uppers, handbags, vegetable and semi-vegetable leather, garments and upholstery. FENOIL WG is used in re-chroming to help open-up the fibres and reduce any boniness in hard natured wet-blue. FENOIL WG is used in the main fat-liquor in quantities of 2 to 10% in combination with FENOIL WP3 or FENOIL BK, to give the best results for soft shoe-upper leather articles.

Due to its nature, FENOIL WG can also be used as a single fatliquor for the production of suede articles where softness and a silky touch are desired.

FENOIL WG can be used for white and lightfast articles.

PACKAGING

140 kg plastic drums or 1100 kg mini-tanks.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing. For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL WP1

Rev. Date 12.2017

DESCRIPTION

FENOIL WP1 is a blend of emulsified synthetic oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White paste
Active substance (%)	:	39 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL WP1 is a lightfast fatliquor with filling power. It confers genuine fullness, body and roundness to leathers.

FENOIL WP1 produces medium soft leathers with good waterproofness and a very tight grain.

USE

FENOIL WP1 is used as a single fatliquor for the production of waterproof articles in quantities of 8 to 12% to produce very tight leathers.

FENOIL WP1 can also be used in combination with FENOIL WP4 or FENOIL WP3 to achieve the desired softness.

FENOIL WP1 needs a final treatment of cationic salt.

PACKAGING

140 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL WP3

Rev. Date 12.2017

DESCRIPTION

FENOIL WP3 is a blend of emulsified synthetic oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White paste
Active substance (%)	:	44 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	7.0 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL WP3 is a highly softening, lightfast fatliquor with a good filling effect which confers genuine body and a silky touch to leathers.

FENOIL WP3 has light water repellent properties.

USE

FENOIL WP3 can be used for softening a wide range of leathers.

FENOIL WP3 can be used as a single fatliquor for the production of washable leathers.

It can also be used in the production of waterproof leathers in combination with FENOIL WP4 or FENOIL WP1, to achieve the softness desired.

PACKAGING

140 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.

FENOIL WP4

Rev. Date 12.2017

DESCRIPTION

FENOIL WP4 is a blend of emulsified synthetic oils.

PHYSICAL CONSTANTS

		<i>Standard Value</i>
Appearance	:	White liquid
Active substance (%)	:	43 % ± 2
Lightfastness	:	Excellent
pH (1:10)	:	9.5 ± 1
Charge	:	Anionic

PROPERTIES

FENOIL WP4 is a lightfast fatliquor for the highest quality waterproof leathers.

FENOIL WP4 gives leathers with a very tight grain, a warm touch and good buffing properties.

USE

FENOIL WP4 is used as a single fatliquor in quantities of 4 to 8% in the production of waterproof articles to produce very tight leathers, with a warm touch and a very even appearance. FENOIL WP4 can also be used in combination with FENOIL WP1 or FENOIL WP3 to achieved the required softness.

FENOIL WP4 is used in quantities of 0.5 to 4% in combination with FENIREN WP2 to give optimum results in terms of roundness and tightness.

FENOIL WP4 needs a final treatment of cationic salt.

FENOIL WP4 can also be used in the production of white, lightfast articles.

PACKAGING

130 kg drums.

STORAGE

Store in a cool, dry, well-ventilated area between +5 and 40°C. Keep from freezing.

For safe use of the product, the information given on the safety data sheet should be carefully observed.

MINIMUM SHELF-LIFE

The product is guaranteed for its physical and quality characteristics for at least 24 months from the date of production. It must be kept well-sealed and stored in its original packaging according to the conditions on the technical and safety data sheets.