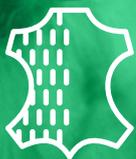




# Leather chemicals since 1966

## Products Catalogue

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Beamhouse



Tanning & Retanning



Fatliquoring



Finishing

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# Welcome to the green side of leather



**We care.**

Quimser introduces his new eco-friendly products.



## Leather chemicals since 1966

**Quimser was founded in 1966 by Salvador Esquerra Romeu, who started supplying chemicals products to the leather industry.**

He began trading in the heart of the leather tanning area of Igualada, one of Europe's most traditional and respected centres of tanning, with one of the greatest levels of activity and production. Soon afterwards the business moved to a small facility located in Òdena, near Igualada, where he started to produce the first powder products using vegetable extracts for the manufacture of sole.

In the mid 1970's QUIMSER started to build in the industrial area of Pla de la Masia. This original custom-built property has been enlarged and transformed over the years into the three warehouses that exist today. The gradual incorporation of new staff and new facilities has enabled the expansion of its product range, from chrome liquors, powder products, liquids and fatliquors, to a full range of specialities for all the phases of tanning and finishing leather.

In 1984 Quimser was transformed into a corporation with the founder's family as shareholders. Nowadays Quimser is a deeply rooted family business that exports around two thirds of its products.

# Leather Chemicals since 1966

With more than 30 years of experience in exports, we are present in more than 25 countries on 4 continents.



## We are Well-Equipped to offer Exclusive Service

Our industrial facilities are suitable for the research, development, manufacturing and testing of an extensive variety of chemicals products for the leather industry.

### Laboratories

- Research, development and innovation
- Product quality control
- Industrial tests

### Offices

- Commercial
- Technical Office
- Administration
- Management and sales

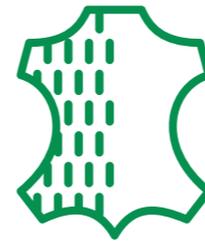
### Manufacture plants

- Powder products
- Liquid products / Reactors
- Finished products

### Warehouse

- Raw materials
- Dispatch of finished products

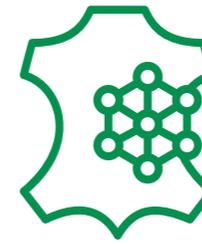
We produce a wide range of products for the leather industry that cover all stages of the manufacturing process, from the beamhouse and the wet-end to the finishing.



### Beamhouse

Products used for the initial treatment phase to transform the skin into leather.

We produce special products for soaking, preserving, liming, deliming, bating, pickling and basifying agents.



### Tanning & Retanning

We have a wide range of tanning, neutralizing and retanning products. Tanning and retanning agents in liquid or solid form with excellent properties.



### Fatliquoring

We produce a broad portfolio of leather fatliquors with excellent application results. They provide the leather with roundness, fullness, compaction and excellent fiber lubrication, giving a smoother leather cut.



### Finishing

A complete range of finishing products to obtain high quality articles. Waxes and caseins, aqueous pigments, metallic dyestuffs, pull up oils, solvent and aqueous lacquers, acrylic and polyurethane resins.

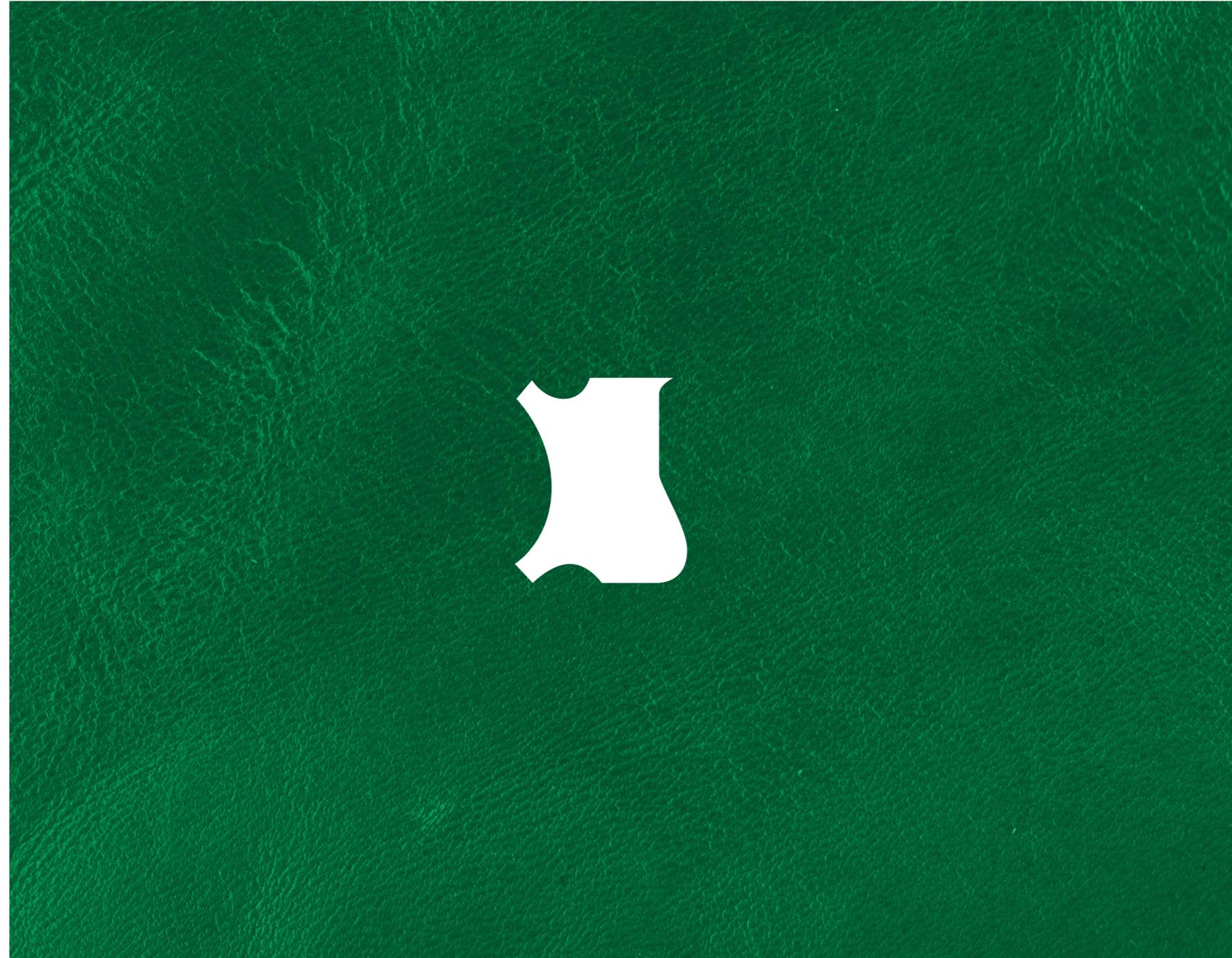
## We do not just sell products, we provide solutions

QUIMSER is not only committed to supply the best chemicals to the customers but also to provide the necessary technical support, and to select and apply the products that best fit the production processes and the demands of quality and design of products and leather articles.

The technical-commercial team is highly-trained to offer the required pre and post sales customer service. QUIMSER maintains a commercial network on four continents.

### Certifications





## Our catalogue

Welcome to our catalogue. Here you will find the complete range of our products with all their specifications

**11** Beamhouse

**19** Tanning & Retanning

**37** Fatliquoring

**51** Finishing



# Beamhouse

Soaking / Degreasing agents

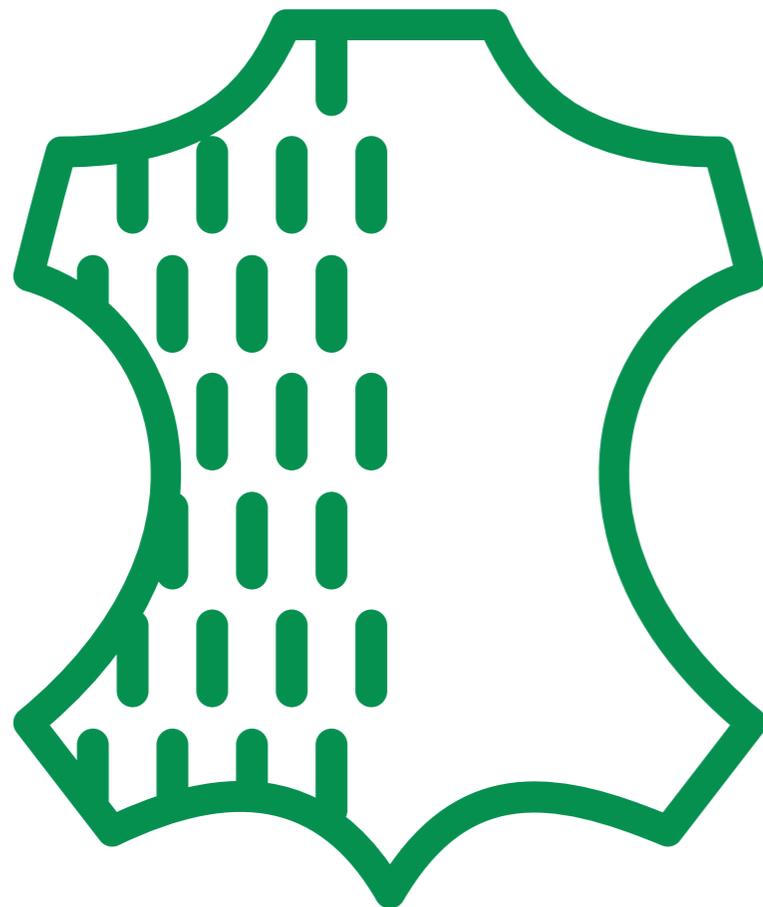
Preserving

Liming / Dehairing

Deliming

Bating

Basifying / Masking



Products used for the initial treatment phase to transform the skin into leather. We produce special products for soaking, preserving, liming, delimiting, bating, pickling and basifying agents.

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	DESCRIPTION
<b>SOAKING / DEGREASING AGENTS</b>				
TRD 25	Surfactants, water and additives.	7,5	30%	High soaking and wetting capacity. Degreasing. Recommended for dry hides/skins or with soaking/wetting difficulties.
TRD 27	Surfactants, water and additives.	8,0	35%	Very effective soaking, wetting and degreasing agent. Recommended for hides/skins with high fat content and for all beamhouse processes. Very effective for small leathers (Sheep, Goat, Mutton...).
TRD 62	Surfactants, salts and additives.	6,6	25%	Surfactant with emulsifier effect. Fatliquoring auxiliary.
TRD 72	Surfactants, water and additives.	7,0	50%	Very effective soaking, wetting and degreasing agent. Recommended for hides/skins with high fat content and for all beamhouse processes. Very effective for small leathers (Sheep, Goat, Mutton...).
TRD 78	Surfactants, water and additives.	7,0	31%	Standard degreasing. Very effective soaking and wetting agent. Recommended for hides/skins with high fat content and for all beamhouse processes. Very effective for small leathers (Sheep, Goat, Mouton...).
TRD 90	Surfactants, water and additives.	8,0	10%	Economical surfactant, cleaning, soaking.
TRD WB-A	Surfactants, salts and additives.	1,5	20%	Conditioner to be used in Wet-Blue leathers as a cleaning, wetting and bleaching agent, to even the Wet-Blue leather state. It removes the old chrome particles and cleans the Wet-Blue surface. It prepares the leather in Wet Blue to achieve a good penetration of the products during the next processes. It can recover the old-wet-blue after long time storage.

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	DESCRIPTION
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**PRESERVING**

<b>ANTIBAC RC</b>	Based on tiocyanate substances.	4,0	30%	Fungicide. Used mainly in the pickle phase, wet-blue and the fatliquoring processes. Water soluble preserving products to prevent the development of fungi and the skin putrefaction. The active substances of the products have a wide range of action, covering fungi, bacteria, yeast...
<b>ANTIBAC Z</b>	Based on dithiocarbamate substances.	9,5	40%	Bactericide. Biodegradable. Used mainly in soaking and wetting processes.

**LIMING / DEHAIRING**

<b>BACTOL EN</b>	Amine and organic derivatives.	8,0	15%	Chemical action. No IMO product. Non dangerous product. Anti-wrinkle, dehairing agent, liming and sulphur solubilizer. It accelerates the lime penetration and lime solubilization, and it is suitable to achieve: - A better attack of sulphur linkages and hair roots which enable the hair removal and a cleaner and finer grain. - An attack, softening and relaxation of elastine and fibers, helping to smooth wrinkles and an increase of the surface area. - The reduction of contamination charge, due to a reduction of lime and sulphur.
<b>TRD H</b>	Surfactants, enzymes and additives.	11	100%	Active soaking and wetting auxiliary. Its low enzymatic activity of 500 LVU permits a safe work.
<b>TRD H-2</b>	Surfactants and enzymes composition.	11	100%	Active soaking and wetting auxiliary. Enzymatic activity of 2000 LVU.

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	DESCRIPTION
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**DELIMING**

<b>RESKAL NC-7</b> 	Mixture of organic and inorganic salts.	1,5	100%	High penetration. Smooth. Ammonium free salts. Products that provide softer, smoother, more elastic, tighter and more compact leathers. The total neutralisation and solubilisation of lime remains is achieved through acidification with buffing products of slow reaction. They easily form soluble liming salts. The use of RESKAL promotes a progressive reduction of leather swelling and an optimal action of deliming products. The slow and buffed action of RESKAL enables a total penetration of deliming products inside the leathers. They permit a correct pH adjustment and prepare the leather for a perfect work with bating products.
<b>RESKAL S</b>	Mixture of organic and inorganic salts.	2,0	100%	Products that provide softer, smoother, more elastic, tighter and more compact leathers. The total neutralisation and solubilisation of lime remains is achieved through acidification with buffing products of slow reaction. They form easily soluble liming salts. The use of RESKAL promotes a progressive reduction of leather swelling and an optimal action of deliming products. The slow and buffed action of RESKAL enables a total penetration of deliming products inside the leathers. They permit a correct pH adjustment and prepares the leather for a perfect work with bating products.
<b>RESKAL L</b> 	Mixture of inorganic acids	1,5	47%	Deliming liquid product without ammonium salts that provide softer, smoother, more elastic, tighter and more compact leathers. The total neutralization and solubilization of lime is achieved through acidification with buffing products of slow reaction Strongly recommended and forced use in thick leathers or without splitting. The use of RESKAL promotes a progressive de-swelling of leather and an optimal action of deliming process. The slow and buffed action of RESKAL enables a total penetration of deliming products inside the leathers. It permits a correct pH adjustment and prepares the leather for a perfect work of bating products.

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	DESCRIPTION
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**BATING**

RINDOL RN-E	Enzymatic mixed salts and inert charges.	7,5	100%	Alkaline bating. 600-700 LVU.
RINDOL RN-N	Enzymatic mixed salts and inert charges.	7,5	100%	Alkaline bating. 1000 LVU.
RINDOL WB	Enzymatic mixed salts and inert charges.	6,5	100%	Acid bating. 1000 LVU.
RINDOL RN-C	Enzymatic mixed salts and inert charges.	7,5	100%	Alkaline bating 1500 LVU.
RINDOL PQ-1	Enzymatic mixed salts and inert charges.	7,5	100%	Acid bating. 1000 LVU.

Effective enzymatic products that assure an excellent bating.

The bating aim is to break and eliminate the nerve fibers, elastin and others, in order to obtain softer, more elastic and flexible leathers with clean surface.

The optimum bating effect will be reached at Ph= 7,5-8 and temperature of 35-40°C.

Our bating products are eco-friendly because they are ammonium free.

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	DESCRIPTION
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**BASIFYING / MASKING**

<b>OMPLEX BM</b> 	Alkaline basifying salts.	11,0	100%	High basifying ability and low masking ability. Light stabilizing effect and slow Cr basification. OMPLEX products have a duly studied alkalinity potential and a delayed action which grants penetration and fixation through the thickness of the leather and over its entire surface. At the end of tanning process, a proper pH is achieved. No stains caused by the basifying agent and evenness of wet-blue color resulting from different productions. High Cr exhaustion compared to other alkaline basifying agents like carbonates, bicarbonates, formates. OMPLEX products have other advantages in comparison with traditional products, as they form aggregate Cr complexes that provide full hides, finer grain, lighter color and less reactive hides, implying better penetration of retanning agents, fatliquors and dyestuffs. Additionally they allow to reduce the quantity of chrome used in the tanning process.
<b>OMPLEX R</b>	Composition of alkaline basifying salts and masking agents.	8,5	100%	Medium basifying ability. Medium masking/complexing ability. Stabilizing effect. Maximum exhaustion of Cr2O3. Minimum pollution. Perfect inner and superficial uniformity of Cr. OMPLEX products have a duly studied alkalinity potential and a delayed action which grants penetration and fixation through the thickness of the leather and over its entire surface. At the end of tanning process, a proper pH is achieved. No stains caused by the basifying agent and evenness of wet-blue color resulting from different productions. High Cr exhaustion compared to other alkaline basifying agents like carbonates, bicarbonates, formates... OMPLEX products have other advantages in comparison with traditional products, as they form aggregate Cr complexes that provide full hides, finer grain, lighter color and less reactive hides, implying better penetration of retanning agents, fatliquors and dyestuffs. Additionally they allow to reduce the quantity of chrome used in the tanning process.



# Tanning & Retanning



## ECO Tanning

- Mineral
- Synthetic polymers
- Syntans & natural polymers
- Syntans
- Filler
- Pretanning
- Dispersing
- Pretanning, dispersing
- Neutralizing
- Eco-polymers
- Eco-resin
- Eco-melamine
- Eco-dicyandiamide
- Auxiliary

# ECO Tanning



## SERTAN WT

Tanning	Chemical	% in tanning	TS (°C)	Negative points	Toxicity	Biodegradation time	Compostability	Water waste problem	ZDHC-MRSL restrictions
WET BLUE	Chrome III	5-10	100	Can produce Chrome VI.	Yes	Extremely long	Very bad	Very high	Yes
WET WHITE	Phenol Naphthalene Aldehyde Disulphone Triazine	5-30	85	Phenol derivates and bisphenols. Wastewater toxic chem.	Yes	Medium	Very bad	Medium high	Yes
VEGETAL EXTRACTS	Mimosa Quebracho Chestnut Tara Others	8-40	75-80	Few producers in the world.  <b>Mimosa</b> bark need 6-12 years to renew.  <b>Quebracho</b> tree need 60-80 years to grow	No	Medium	Excellent	High BOD	No
ALUMINIUM	Aluminium salts	3-8	80-85	No	No	Medium	Regular	Medium high	No

 SERTAN WT	Zeolite	6-10	75-80	No	No	Short	Excellent	No	No
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Quimser's laboratory (R+D+I) cares about finding alternatives and solutions to help the future of the sector through actions such as:

- ✘ Eliminating the use of chromium salts
- ✘ Economising the water used
- ✘ Waste water with low environmental impact
- ✘ Reducing time processes (electricity consumption)
- ✘ Obtaining leathers highly biodegradable
- ✘ Using environmentally friendly chemicals

For this reason, we have developed **SERTAN WT**: a raw material that is more respectful of the environment with wastewater that does not generate problems. The aim is to respond to the aforementioned points and provide solutions for a world that is increasingly demanding about the impact that processes and products generate on the environment.

With **SERTAN WT** we obtain white leathers, with very low or non-existent oxidation, shrinkage temperature: 80-85. We have realized that the resulting leather is highly biodegradable. At Quimser we defend this product as an alternative to ecological leathers, since it is a component that is not restricted and has multiple uses in other sectors that consider it an eco-friendly substance: food, agriculture, cosmetics, etc.



# SERTAN WT

- Specifications:**
- ✘ Chemical composition: Organic, and inorganic salts
  - ✘ Appearance: Solid in powder.
  - ✘ Colour: Ivory
  - ✘ pH: 4,0±0,5
  - ✘ Charge: Cationic

**General properties:** **SERTAN WT** is a chemical free of phenol, naphthalene, sulfone, aldehyde and formaldehyde.

In the retanning combined with vegetable tannins, the leather obtained has extra softness with increased fullness without altering its character of vegetable leather.

**SERTAN WT** gives excellent filling effect in the loose parts of the hide. It can minimize the usage of polymers and resins. It also eliminates the usage of glutaraldehyde based tanning agents. It is compatible with other anionic synthetic, natural tanning and retanning agents.

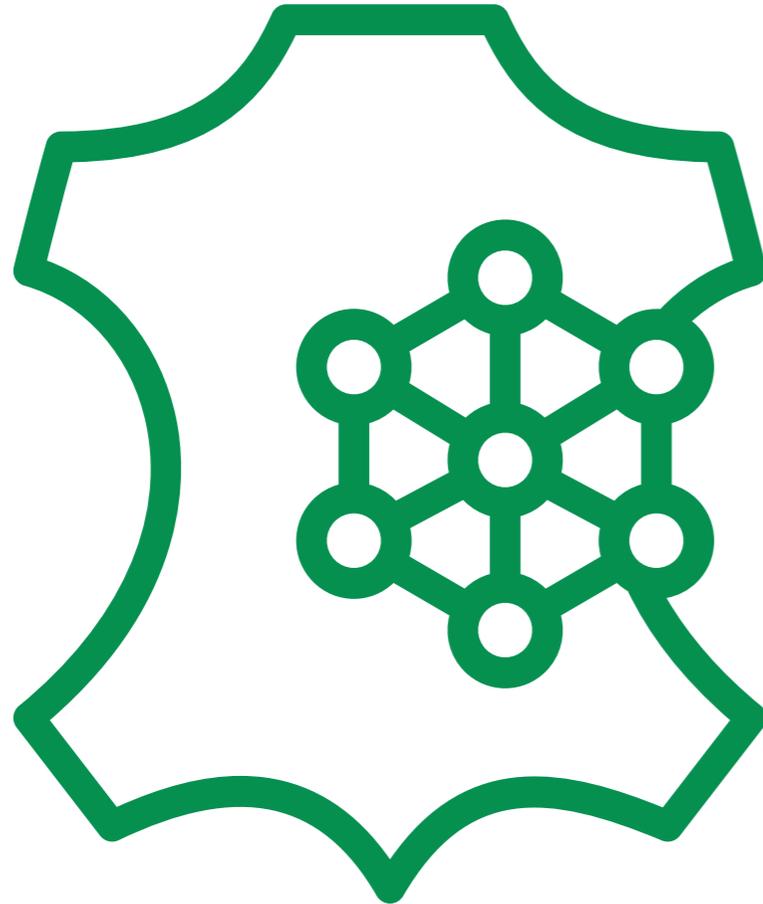
Leather tanned with **SERTAN WT** has outstanding dyeing ability with brilliant dyeing effect and good uniformity. It is also really good as a bleaching agent in the retanning process.

# Biodegradability

## Biodegradability test n°3 sheepskin

TEST N°3  
**Sheepskin**  
 More info in [www.quimser.com](http://www.quimser.com)





We have a wide range of tanning, neutralizing and retanning products. Tanning and retanning agents containing excellent properties are available in liquid or solid form.

# Tanning & Retanning

		ECO	FUR	GARMENT	UPHOLSTERY	AUTOMOTIVE	SHOE NAPPA	SHOE UPPER	SUEDE	NUBUCK	VEG. LEATHER	SOLE	VAQUETA	GLOVE	SPLIT
<b>ECO TANNING</b>	SERTAN WT	ECO	X	X	X	X	X	X	X	X	X		X	X	X
<b>MINERAL</b>	SERTAN AL	ECO	X		X	X	X	X	X	X					X
	SERTAN CO				X	X	X	X	X	X					X
	SERTAN CA		X	X	X	X	X	X	X	X					
	SERTAN CH			X	X		X	X	X	X					
	SERTAN CHB			X	X		X	X	X	X					
<b>SYNTHETIC POLYMERS</b>	SERTAN RR			X	X	X	X	X	X	X	X		X	X	X
	SERTAN RC		X	X	X	X	X	X	X	X	X		X	X	X
	SERTAN RM		X	X	X	X	X	X	X	X	X		X		X
	SERTAN RPC		X	X	X	X	X	X	X	X				X	X
	SERTAN PA		X	X	X	X	X	X	X	X				X	X
	SERTAN POL		X	X	X	X	X	X	X	X	X		X	X	X
<b>SYNTANS &amp; NATURAL POLYMERS</b>	SERTAN BK			X	X		X	X	X	X					X
	SERTAN BW			X	X		X	X	X	X			X		X
	SERTAN BR	ECO		X	X		X	X	X	X	X		X		X
<b>SYNTANS</b>	SERTAN ALD		X	X	X	X	X	X	X	X	X	X	X	X	X
	SERTAN FAD		X	X	X	X	X	X	X	X	X			X	X
	SERTAN BSF		X	X	X	X	X	X	X	X				X	X
	SERTAN BSP		X	X	X	X	X	X	X	X	X	X	X	X	X
	SERTAN BX				X	X	X	X	X	X					X
	SERTAN BN				X	X	X	X	X	X					X
	SERTAN ELB-N			X	X	X	X	X	X	X				X	X
	SERTAN ELB-C			X	X	X	X	X	X	X				X	X
<b>FILLER</b>	SERTAN F				X	X	X	X	X	X	X		X		X
	SERTAN FF				X	X	X	X	X	X	X		X		X
	SERTAN FP				X	X	X	X	X	X	X		X		X

## Tanning & Retanning

		ECO	FUR	GARMENT	UPHOLSTERY	AUTOMOTIVE	SHOE NAPPA	SHOE UPPER	SUEDE	NUBUCK	VEG. LEATHER	SOLE	VAQUETA	GLOVE	SPLIT
<b>DISPERSING, PRETANNING</b>	SERTAN ND	ECO		X	X	X	X	X	X	X	X	X	X	X	X
<b>NEUTRALIZING</b>	SERTAN N-AG		X	X	X	X	X	X	X	X	X	X	X	X	X
	SERTAN N-PAK		X	X	X	X	X	X	X	X	X	X	X	X	X
	SERTAN N-N		X	X	X	X	X	X	X	X				X	X
<b>ECO-POLYMERS</b>	SERTAN VGI	ECO			X		X	X	X	X	X				X
	SERTAN VHI	ECO			X		X	X	X	X	X				X
	SERTAN VEM	ECO			X		X	X	X	X	X				X
	SERTAN VXI	ECO			X		X	X	X	X	X				X
	SERTAN VLI	ECO			X		X	X	X	X	X				X
	SERTAN VTI	ECO			X	X	X	X	X	X	X				X
<b>ECO-RESINS</b>	SERTAN RN-1	ECO	X	X	X	X	X	X	X	X	X			X	X
	SERTAN RN-S	ECO	X	X	X	X	X	X	X	X	X			X	X
	SERTAN RN-V	ECO		X	X	X	X	X	X	X	X		X		X
<b>ECO-MELAMINE</b>	SERTAN RD	ECO	X	X	X	X	X	X	X	X				X	X
<b>ECO-DICYANDIAMIDE</b>	SERTAN DC	ECO			X	X	X	X	X	X					X
	SERTAN DX	ECO			X	X	X	X	X	X					X
	SERTAN DCB	ECO			X	X	X	X	X	X					X
<b>AUXILIARY</b>	SERTAN CR-6			X	X	X	X	X	X	X				X	X
	SECCUSS FE		X	X	X	X	X	X	X	X	X	X	X	X	X
	SECCUSS SOFT-FL		X	X	X	X	X	X	X	X	X	X	X	X	X
	SERFIX MF-5											X	X		
	SERFIX AF		X	X	X	X	X	X	X	X	X	X	X	X	X

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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ECO TANNING						
 <b>SERTAN WT</b>	Organic and inorganic salts with tanning properties.	4,0	100%	Cationic	Nonpolluting tanning agent which can efficiently eliminate Basic Chromium Sulphate with great ease. SERTAN WT is compatible with other anionic synthetic, natural tanning and retanning agents. It is highly recommended in the manufacturing of all types of chrome free and wet white leathers. Combine with vegetable tanning extracts, resultant leather indicates extra softness with increased fullness without altering vegetable character. SERTAN WT can be effectively used in salt free tanning system. It induced excellent plumping effect in the hides which results into efficient splitting and shaving. It imparts excellent filling effect in the loose parts of the hide which can minimize usage of polymers and resins. It also eliminates usage of Glutaraldehyde based tanning agents. Leather tanned with SERTAN WT possesses outstanding dyeing ability with brilliant dyeing affect. It has low specific gravity and the same can be also used in the manufacturing of very soft articles.	★★★★

### MINERAL

 <b>SERTAN AL</b>	Aluminium salts.	4,0	100%	Cationic	Can be used as a tanning or retanning agent. We will use SERTAN AL for Wet White tanning process or fine fur with excellent tanning results, obtaining contraction temperatures necessary for the desired items. The product consolidates the skin fibers, obtaining good firmness. SERTAN AL, used as a retanning agent preferably before the neutralizing, we will give whiter leathers, good compactness and fullness that will help us to obtain leathers with closer push after grinding. The product helps to obtain more intense and even dyes. We can use it for fixing the water-repellent oils by providing the required fleximetries.	★★★★
<b>SERTAN CO</b>	Synthetic-Chrome and proteins.	3,0	100%	Cationic	It consolidates the fiber structure, and gives a tighter and smoother grain, good filling. Better response to dyeing, improving the intensity and evenness of dyes. Very suitable for white or pasted shade.	★★★★
<b>SERTAN CA</b>	Chrome-Aluminium.	2,5	100%	Cationic	It consolidates the fiber structure, and gives a tighter and smoother grain, good filling. Better response to dyeing, improving the intensity and evenness of dyes.	★★★★
<b>SERTAN CH</b>	Synthetic-Chrome.	3,5	100%	Cationic	It consolidates the fiber structure, and gives a tighter and smoother grain, good filling. Better response to dyeing, improving the intensity and evenness of dyes.	★★★★
<b>SERTAN CHB</b>	Synthetic-Chrome and Extract.	3,5	100%	Cationic	It consolidates the fiber structure, and gives a tighter and smoother grain, good filling. Better response to dyeing, improving the intensity and evenness of dyes.	★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SYNTHETIC POLYMERS**

<b>SERTAN RR</b>	Synthetic acrylic polymers and additives.	5,5	28,5%	Anionic	Resin on softer acrylic base. Improves adhesion, fullness and tightness of the grain. Specially loose parts of the leather. It giving to the leather excellent light fastness with light weight and fluffy character.	★★★★
<b>SERTAN RC</b>	Synthetic acrylic polymers and additives.	4,5	32%	Anionic	Resin on medium soft acrylic base. Due to its acid pH, it is suitable for pre-tanning, tanning and retanning. Improves adhesion, compaction and elasticity fibers specially loose parts of leather. Special to get closer structure and short plush. It giving to the leather excellent light fastness	★★★★
<b>SERTAN RM</b>	Synthetic acrylic polymers and additives.	3,0	50%	Anionic	Resin on acrylic base. Due to its acid pH, it is suitable for pre-tanning, tanning and retanning. Improves adhesion, compaction and elasticity fibers. Special to get closer structure and short plush. Special for white leathers, giving to the leather excellent light fastness.	★★★★
<b>SERTAN RPC</b>	Maleic acid styrene copolymer and additives.	8,0	20%	Anionic	Resin on styrene-maleic base. Can be used in the any stages of the re tanning process after neutralization. It improve the grain, fullness and softness. Very suitable for all kind articles for closed and short plush. It increases the reactivity of surface when dyeing, obtaining more colour intensity. Improves the adhesion, the compaction and the elasticity of the fibers. Special for white leathers, giving to the skin a good light fastness.	★★★★
<b>SERTAN PA</b>	Synthetic polymers and additives.	4,5	30%	Anionic	Resin on acrylic base. Due to its acid pH, it is suitable for pre-tanning, tanning and retanning. Improves adhesion, compaction and elasticity fibers. Special to get closer structure and short plush. Special for white leathers, giving to the leather excellent light fastness.	★★★★
<b>SERTAN POL</b>	Synthetic polymers and additives.	9,0	33%	Anionic	Resin on melamine base. Pre-tanning and tanning agent for all kind of leathers, specially for Wet-white, vegetable tanning and napa garments and shoes. Very good for tight grain. Improves adhesion, compaction and elasticity fibers. Special to get closer structure and short plush.	★★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SYNTANS & NATURAL POLIMERS**

<b>SERTAN BK</b>	Syntan and vegetable polymer.	5,5	100%	Anionic	Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies. It improves adhesion, elasticity, fibre compaction and buffing so it works specially well for closer structure and short plush. It is suitable to avoid grain looseness in the leather to be milled.	★★★
<b>SERTAN BW</b>	Syntan and vegetable polymer.	4,5	100%	Anionic	Special for wet white tanning. It can be use in retanning process.	★★★
<b>SERTAN BR</b>	Vegetable extract mixture and natural polymers.	4,5	100%	Anionic	Excellent retanning and filler properties through all parts of the skin, achieving maximum uniformity. Depending on the selected type of product and the quantity, we will get more compact, fuller or more hardened leathers. It consolidates the structure of the fiber, obtaining firmer and softer grain. It improves the intensity and evenness of dyes. It is soluble in hot water at 40-45°C and its components are 100% of natural origin, formaldehyde free and 100% biodegradable.	★★

**SYNTANS**

<b>SERTAN ALD</b>	Aldehyde.	6,0	45%	Anionic	Used in pre-tanning for wet-white and wet-blue operations, getting white color and very low oxidation. When used in wet-blue, it permits to reduce the chrome content. Improves the physical resistance of leathers.	★★
<b>SERTAN FAD</b>	Organic compound based aldehyde-phosphonic.	4,0	45%	Anionic	Used in pre-tanning for wet-white and wet-blue operations, getting white color and very low oxidation. When used in wet-blue, it permits to reduce the chrome content. Improves the physical resistance of leathers.	★★★
<b>SERTAN BSF</b>	Syntan and natural polymer.	5,0	100%	Anionic	General dispersing agent for other retanning products, vegetable extracts, fatliquors or dyes. Better response to dyeing, improving the intensity and evenness of dyes. It can be used in pretanning wet-white. Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies. Improves adhesion, elasticity, fibre compaction and buffing. Special to get closer structure and short plush.	★★★

★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SYNTANS**

<b>SERTAN BSP</b>	Syntan.	2,5	100%	Anionic	It has excellent tanning power with dispersing character for other re tanning , vegetable extracts, .It can be used also as a amphoteric syntan. It is very suitable for white leather as well as better response to dying, improving the intensity and evenness of dyes. It can be used in pre tanning wet-white process.	★★★★
<b>SERTAN BX</b>	Syntan and vegetable polymer.	5,0	100%	Anionic	Used for filling and compacting the empty and frayed structures of the leather, giving good fullness in flanks and bellies It improves adhesion, elasticity, fibre compaction and buffing so it works specially wet to get for closer structure and short plush. It is suitable to avoid grain looseness in the leather to be milled.	★★
<b>SERTAN BN</b>	Syntetic tannins.	5,5	100%	Anionic	Used for filling and compacting the empty and frayed structures of leather, giving good fullness in flanks and bellies. Improves adhesion, elastcity, fibre compaction and buffing. So it works specially well to get closer structure and short plush. They are suitable to avoid grain loseness in the leather to be milled. Special for white leathers. All products have good light fastness.	★★★
<b>SERTAN ELB-N</b>	White syntan.	3	100%	Anionic	Retanning products based on synthetic polymers and specially used for filling and compacting the empty and frayed structures of the leather, giving good fullness in flanks and bellies. It improves adhesion, elasticity, fibre compaction and buffing so it works specially well to get closer structure and short plush. Suitable to avoid grain looseness in the leather to be milled.	★★★★
<b>SERTAN ELB-C</b>	White syntan.	2,5	100%	Anionic	Whitening. Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies.	★★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**FILLER**

<b>SERTAN F</b>	Natural polymer and mineral charges.	6,0	100%	Anionic	Filler used for filling and compacting the empty and frayed structures of the leather, giving good fullness in flanks and bellies.	★★
<b>SERTAN FF</b>	Bio-polymer and mineral charges.	7	100%	Anionic	Economic filler. Filler used for filling and compacting the empty and frayed structures of the leather, giving good fullness in flanks and bellies.	★★
<b>SERTAN FP</b>	Bio-polymer and mineral charges.	6,0	100%	Anionic	Filler used for filling and compacting the empty and frayed structures of the leather, giving good fullness in flanks and bellies.	★★

**DISPERSING, PRETANNING**

<b>SERTAN ND</b>	 Polymer with sulfonic groups.	6,0	100%	Anionic	Product with dispersant properties. Permitting an excellent dispersion and penetration of dyestuff and vegetal extracts. Penetrated and even tinctures are obtained. Based on natural source products. 0% Formaldehyde. 0% Bisulphone. Containing no products from petrol or any other banded product. The product is biodegradable, compostable and non-ecotoxic.	NA
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**NEUTRALIZING**

<b>SERTAN N-AG</b>	Alkaline salts and masking.	6,0	100%	Anionic	Maximum buffering ability while it masks and stabilizes the chrome liquors. It improves the softness and fullness of the leather and the elasticity of the grain. It also improves the grain firmness. And hances the plush on suede articles. It increases the dye color shades and speeds up vegetable retanning.	NA
<b>SERTAN N-PAK</b>	Alkaline salts and masking.	7,5	100%	Anionic	Excellent buffering and neutralizyng ability of chrome-tanned leathers. It can be used as a dispersing agent of retanning and dyes.	NA
<b>SERTAN N-N</b>	Alkaline salts and masking.	8,0	100%	Anionic	Standard neutralizing and complex-forming agent and mild basifying agent.	NA

★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**ECO-POLYMERS**

 <p><b>SERTAN VGI</b></p>	Vegetable extract and natural polymer.	4,5	100%	Anionic	Retanning compact based on Mimosa. SERTAN VGI imparts very good filling and soft compactation with good fullness. Suitable for all kind of articles when full, compact, round, smooth leathers are required. Are required it consolidates the fibre structure, and gives a tighter and smoother grain. Very suitable for pastel shade leathers. It is formaldehyde free and 100% biodegradable.	★★
 <p><b>SERTAN VHI</b></p>	Vegetable extract and natural polymer.	4,5	100%	Anionic	Retanning compact based on Quebracho type. SERTAN VHI imparts very good filling and soft compactation with good fullness. Suitable for all kind of articles when full, compact, round, smooth leathers are required. It consolidates the fibre structure, and gives a tighter and smoother grain. Very suitable for pastel shade leathers. It is formaldehyde free and 100% biodegradable.	★★
 <p><b>SERTAN VEM</b></p>	Vegetable extract mixture and natural polymers.	4,5	100%	Anionic	Vegetable extract mixture and natural polymers. Retanning compact. In retanning process it can be used as a quebracho substitute. Very good filling and good compaction. It penetrates easily into the leather due to its good solubility.	★★
 <p><b>SERTAN VXI</b></p>	Vegetable extract and natural polymer.	4,5	100%	Anionic	Retanning compact based on chestnut type. SERTAN VXI imparts very good filling and soft compactation with good fullness. Suitable for all kind of articles when full, compact, round, smooth leathers are required. It consolidates the fibre structure, and gives a tighter and smoother grain. Very suitable for pastel shade leathers. It is formaldehyde free and 100% biodegradable.	★★
 <p><b>SERTAN VLI</b></p>	Vegetable extract and natural polymer.	4,5	100%	Anionic	Retanning compact based on light mimosa type. SERTAN VLI imparts very good filling and soft compactation with good fullness. Suitable for all kind of articles when full, compact, round, smooth leathers. It consolidate the fibre structure, and gives a tighter and smoother grain. Very suitable for pastel shade leather. It is formaldehyde (0% free) and 100% biodegradable.	★★
 <p><b>SERTAN VTI</b></p>	Vegetable extract and natural polymer.	4,5	100%	Anionic	Retanning compact based on Tara type. SERTAN VTI imparts very good filling and soft compactation with good fullness. Suitable for all kind of articles when full, compact, round, smooth leathers are required. It consolidates the fibre structure, and gives a tighter and smoother grain. Very suitable for pastel shade leathers. It is formaldehyde free and 100% biodegradable.	★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**ECO-RESINS**

 <p><b>SERTAN RN-1</b></p>	Natural polymers.	5,0	100%	Anionic	Chemical based on bio-polymers as an alternative to conventional retanning products, acrylic resins and syntans. It is used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies. It improves the adhesion, elasticity, fibre very good compaction and buffing behaviour. It is suitable to avoid grain looseness in the leather to be milled. Special for white leathers. It is 100% natural, biodegradable and formaldehyde free.	★★★
 <p><b>SERTAN RN-S</b></p>	Natural resin.	7,5	35%	Anionic	Bio-polymers as alternative to acrylic resins. Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies, it improves adhesion, elasticity, fibre compaction and buffing. Special for white leathers and soft touch. It can be used to get closer structure and short plush. Suitable to avoid grain looseness in the leather to be milled. The products are 100% natural, biodegradable and formaldehyde free (0%).	★★★
 <p><b>SERTAN RN-V</b></p>	Natural resin.	5,0	45%	Anionic	Bio-polymers as alternative acrylic resins. Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies. It improves adhesion, elasticity, fibre compaction and buffing. Special to get closer structure and short plush and suitable to avoid grain looseness in the leather to be milled. The products are 100% natural, biodegradable and formaldehyde free (0%).	★★

**ECO-MELAMINE**

 <p><b>SERTAN RD</b></p>	Natural polymers.	6,5	100%	Anionic	Based on bio-polymers as alternative to conventional resins melamine. Used to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies. Improves adhesion, elasticity, fibre compaction and buffing. Special for white leathers. Suitable to avoid grain looseness in the leather to be milled. Special for white leathers. The product is 100% natural, biodegradable and formaldehyde free (0%).	★★★★
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★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**ECO-DICYANDIAMIDE**

 <p><b>SERTAN DC</b></p>	Natural polymers and synthetic.	5,0	100%	Anionic	Biopolymer as alternative to conventional resins such as dicyandiamide. It provides high fixation and fibers compactation.	★★★
 <p><b>SERTAN DX</b></p>	Natural polymer.	5,0	100%	Anionic	Biopolymer as alternative to conventional resins such as dicyandiamide. Appropriate for white leathers, it provides high fixation and fibers compactation. Excellent to fill and compact the empty and frayed structures of the leather, giving good fullness in flanks and bellies.	★★★
 <p><b>SERTAN DCB</b></p>	Natural polymers and synthetic.	6,5	100%	Anionic	Biopolymer as alternative to conventional resins such as dicyandiamide. It provides high fixation and fibers compactation.	★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**AUXILIARY**

<b>SERTAN CR-6</b>	Syntan and additives.	3,0	100%	Anionic	Syntan and additives. Cr6+ exhaustion and prevention.	NA
<b>SECCUSS FE</b>	Organic and inorganic salts.	2,5	100%	Anionic	Iron complexing. To avoid/remove iron mask. Auxiliary product for tanning, retanning and fatliquoring.	NA
<b>SECCUSS SOFT-FL</b>	Organic and inorganic salts.	10,0	30%	Anionic	The product has a great sequestering power in front of salts and hydroxides, alkaline earth metals and heavy metals, with which they form soluble and very stable compounds.	NA
<b>SERFIX MF-5</b>	Organic and inorganic salts with natural polymers.	2,0	100%	Anionic	Fixing and bleaching effect of vegetable extracts.	NA
<b>SERFIX AF</b>	Organic and inorganic salts.	1,5	100%	Anionic	Auxiliary in wet white tanning process in combination with SERTAN WT. Thanks to its tamponated powder helps to the dispersion and fixation of the tanning agent in the leather. Full and homogeneous leathers are obtained with high shrinkage temperature, giving a good shaving. It can be used as a formic acid substitute. Strong lime solubilizer, ideal for deliming. Fixation and precipitation of anionic dyes, fatliquors and retanning agents. Serfix AF is a powder product that have less risk at handling due its solid crystalline form. Odourless and less corrosive than formic acid in contact with the skin.	NA

★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor



# Fatliquoring

Crude fatliquors

Synthetic fatliquors

Sulphited fatliquors

Sulphated fatliquors

Cationic fatliquors

Lecithin fatliquors

Lanolin fatliquor

Waterproofing fatliquors

Veg leather fatliquors

Fur leather fatliquors



We produce a wide range of leather fatliquors with excellent application results. They provide the leather with roundness, fullness, compaction and excellent fibre lubrication, giving a smoother leather cut.

# Fatliquoring

		FUR	GARMENT	UPHOLSTERY	AUTOMOTIVE	SHOE NAPPA	SHOE UPPER	SUEDE	NUBUCK	VEG. LEATHER	SOLE	VAQUETA	GLOVE	SPLIT
<b>CRUDE FATLIQUORS</b>	SEROIL PB		X	X	X	X	X	X	X	X	X	X	X	X
	SEROIL PBT		X	X		X	X	X	X	X	X	X	X	X
	SEROIL OF		X	X	X	X	X	X	X	X	X	X	X	X
<b>SYNTHETIC FATLIQUORS</b>	SEROIL JP	X	X	X	X	X	X	X	X	X	X	X	X	X
	SEROIL FO	X	X	X	X	X	X	X	X	X			X	X
	SEROIL FE		X	X	X	X	X	X	X	X			X	X
	SEROIL SOF	X	X	X	X	X	X	X	X	X	X	X	X	X
	SEROIL SPE	X	X	X	X	X	X	X	X	X	X	X	X	X
	SEROIL CL	X	X	X	X	X	X	X	X	X	X	X	X	X
	SEROIL CME		X	X	X	X	X	X	X	X		X	X	X
SEROIL CMT		X	X	X	X	X	X	X	X		X	X	X	
SEROIL MQ-9		X	X		X	X	X	X	X			X	X	
SEROIL MQ-SP	X	X	X		X	X	X	X	X	X	X	X	X	
SEROIL MS		X	X	X	X	X	X	X	X	X	X	X	X	
SEROIL P		X	X		X	X	X	X	X			X	X	
SEROIL PE		X	X		X	X	X	X	X			X	X	
SEROIL SMZ		X	X	X	X	X	X	X	X	X	X	X	X	
SEROIL SU		X	X	X	X	X	X	X	X	X	X	X	X	
SEROIL TTK	X	X	X	X	X	X	X	X	X	X	X	X	X	
<b>SULPHATED FATLIQUORS</b>	SEROIL PLSN		X	X	X	X	X	X	X	X	X	X	X	
	SEROIL GSN	X	X	X	X	X	X	X	X	X	X	X	X	
	SEROIL GSF	X	X	X	X	X	X	X	X	X	X	X	X	
<b>CATIONIC FATLIQUORS</b>	SEROIL SC-B	X	X	X	X	X	X	X				X	X	
<b>LECITHIN FATLIQUORS</b>	SEROIL SLL	X	X	X	X	X	X	X	X			X	X	
	SEROIL LE		X	X	X	X	X							
	SEROIL L		X	X	X	X	X			X	X	X	X	
<b>LANOLIN FATLIQUOR</b>	SEROIL LAN		X	X	X	X			X			X	X	
<b>WATERPROOFING FATLIQUORS</b>	SEROIL WPS		X	X	X	X	X	X	X			X	X	
	SEROIL WPH		X	X	X	X	X	X	X			X	X	
<b>VEG LEATHER FATLIQUORS</b>	SEROIL MLO									X	X	X		
	SEROIL MLL									X	X	X		
	SEROIL VS									X	X	X		
<b>FUR LEATHER FATLIQUORS</b>	SEROIL KM-24-23	X												
	SEROIL KM-50	X												

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**CRUDE FATLIQUORS**

<b>SEROIL PB</b>	Natural and synthetic origin fat.	NA	100%	Anionic	They are oils that have not undergone any chemical reaction or special treatment, so they are not water-soluble. Leathers with good round effect and fullness are obtained as well as very lubricated fibers allowing a more silky cut, especially in the vegetable tanning. In the fatliquoring phase, combined with other oils, they improve the lubricating power of the mixture and get more oily skin both on the surface and in the interior and with good resistance to light.	★★★
<b>SEROIL PBT</b>	Natural origin fat.	NA	100%	Anionic	They are oils that have not undergone any chemical reaction or special treatment, so they are not water-soluble. Leathers with good round effect and fullness are obtained as well as very lubricated fibers allowing a more silky cut, especially in vegetable tanning. In the fatliquoring phase, combined with other oils, they improve the lubricating power of the mixture and get more oily skin both on the surface and in the interior and with good resistance to light.	★★★
<b>SEROIL OF</b>	Synthetic origin fat.	NA	100%	Anionic	They are oils that have not undergone any chemical reaction or special treatment, so they are not water-soluble. Leathers with good round effect and fullness are obtained as well as very lubricated fibers allowing a more silky cut, especially in vegetable tanning. In the fatliquoring phase, combined with other oils, they improve the lubricating power of the mixture and get more oily skin both on the surface and in the interior and with good resistance to light.	★★★★

**SYNTHETIC FATLIQUORS**

<b>SEROIL JP</b>	Waxy-Synthetic polymer.	7,5	50%	Anionic	General purpose fatliquors for all skin types, whether tanned chrome, vegetable or mixed. They can be combined with natural oils to improve the stability of the mixture. they have a good fixation and extraordinary penetration providing a fast and uniform distribution of oil through the cutting. Very soft skins are obtained with a firm grain and a feeling of fullness with little weight. In addition, they do not reduce the compaction of the fibers. Stainless oil with a waxy-soft touch and a light waterproofing effect. It has good electrolyte stability and excellent grinding behavior.	★★★★
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PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SYNTHETIC FATLIQUORS**

<b>SEROIL FO</b>	Phosphoric polym er.	7,5	60%	Anionic	SEROIL FO is a synthetic phosphated oil, which stands out for its good stainless properties and excellent fastness to light. The oil has a great penetrating power and a fast dilution, providing soft skins, soft touch and a firm grain. We can use the product in the tanning baths for its stability to electrolytes. The oil guarantees a good internal lubrication of the fibers without reducing the compaction, making it ideal for light skins. Thanks to its dry character, it helps in the grinding of the skin.	★★★★
<b>SEROIL FE</b>	Phosphoric polymer.	7,5	50%	Anionic	SEROIL FE is a synthetic phosphated oil, which stands out for its good stainless properties and excellent fastness to light. The oil has a great penetrating power and a fast dilution, providing soft skins, soft touch and a firm grain. We can use the product in tanning baths for its stability to electrolytes. The oil guarantees a good internal lubrication of the fibers without reducing the compaction, making it ideal for light skins. Thanks to its dry character, it helps in the grinding of the skin. The main difference with SEROIL FO is that it gives blue-green colour to WB.	★★★★
<b>SEROIL SOF</b>	Synthetic-waxy polymer.	7,5	45%	Anionic	They have a good fixation and extraordinary penetration providing a fast and uniform distribution of oil through the cutting. We obtain white skins with bluish tone as well as cleaner, very soft and a firm grain. The skins have excellent grinding behaviour. Especially useful in those skins that require little weight, as they reduce the compaction of the fibers. Stainless oils with good electrolyte stability.	★★★★
<b>SEROIL SPE</b>	Synthetic polymer.	7,5	35%	Anionic	Synthetic fatliquors and polymers based on petrol derivates. General use fatliquor for all kind of leathers, chrome tanned, vegetal tanned or mixed as well. They can be combined with natural fats, improving the stability of general fatliquor mixture. They have good leather fixation and excellent penetration, obtaining a fast and uniform distribution of fat through the leather. Produce leathers with tight grain and springy feel. Suitable when light weight leathers are required. Do not reduce the fibers compaction.	★★★★

★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SYNTHETIC FATLIQUORS**

SEROIL CL	Synthetic fats and surfactants.	7,0	45%	NA	Formed mainly by synthetic oil and surfactants, it is an oil used as a greasing supplement to improve the emulsion of the fat mixture, the penetration and the softness of the resulting skins. Stable to electrolytes.	★★★★
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**SULPHITED FATLIQUORS**

SEROIL CME	General mixture of natural and synthetic sulphited fats.	7,5	35%	Anionic	Mixture of natural and synthetic economical fatliquors for general use. It can be used as a main fatliquor, with which we obtain good surface touch, inner and outer softness, slight round feel and looseness of grain. Good dye matching. Excellent stability to tanning baths and electrolytes (acids and alkalines). Excellent penetration, distribution and fat fixation. Good stability with other SEROIL fatliquors.	★★★
SEROIL CMT	General mixture of natural and synthetic sulphited fats.	7,5	57,5%	Anionic	Mixture of natural and synthetic oils for general use. It can be used as single or main fatliquor. We obtain an average result of characteristics such as surface touch, inner and outer softness, slight round feel and grain looseness. Good dye matching. Excellent stability to tanning baths and electrolytes (acids and alkalines). Excellent penetration, distribution and fat fixation.	★★★
SEROIL MQ-9	Sulphited fish oil.	8,5	85%	Anionic	We obtain hang with a lot of inner softness with no filling effect. Very good penetration and fixation to the skin. Excellent stability to tanning baths and electrolytes (acids and alkalines). They can be used as single greases.	★★★
SEROIL MQ-SP	Based on COD oil.	7,0	85%	Anionic	We obtain hang with a lot of inner softness with no filling effect. Very good penetration and fixation to the skin. Excellent stability to tanning baths and electrolytes (acids and alkalines). They can be used as single greases.	★★
SEROIL MS	Natural and synthetic sulphited fats.	7,5	70%	Anionic	We obtain hang with a lot of inner softness with no filling effect. Very good penetration and fixation to the skin. Excellent stability to tanning baths and electrolytes (acids and alkalines). They can be used as single greases.	★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SULPHITED FATLIQUORS**

SEROIL P	Natural and synthetic sulphited fats.	7,5	50%	Anionic	Economic oil for all kind of leather. We obtain hang with a lot of inner softness with no filling effect. Very good penetration and fixation to the skin. Excellent stability to tanning baths and electrolytes (acids and alkalines). They can be used as single greases.	★★★
SEROIL PE	Natural and synthetic sulphited fats.	7,5	35%	Anionic	Sulphited economical oil which it is obtained falling-off effect with a lot of inner softness with no filling effect. Very good penetration and fixation to the skin. Excellent stability to tanning baths and electrolytes (acids and alkalines).	★
SEROIL SMZ	Based on synthetic cod and sperm oil.	7,5	50%	Anionic	Economic oil based on triglycerides with low oxidation index. With the exception of other sulphited oils, it has many characteristics of sulphited oils. Improves tincture equality without decreasing intensity. Ideal for footwear as you get skins with hang effect, a lot of whiteness inside, softness and no filling effect. The product has excellent stability to tanning baths and electrolytes (acids and alkaline). Excellent penetration, distribution and fixation of fatliquor. It can be used as unique fatliquor.	★★★
SEROIL SU	Natural oils and sulphited synthetic.	7,5	70%	Anionic	Based on deodorized fish. Use SEROIL SU for soft leathers, very inner softness and light articles. Excellent penetration and distribution. Excellent stability with retanning bath and electrolytes (acid and alkaline). It can be used like single fat.	★★
SEROIL TTK	Natural oils and sulphited synthetic.	7,5	70%	Anionic	Fatliquor based on triglycerides with low oxidation index. With the exception of other sulphited oils, it has many characteristics of sulphated oils. It improves tincture equality without decreasing intensity. Ideal for footwear as you get skin with hang effect with a lot of whiteness inside, softness and no filling effect. The product has excellent stability to tanning baths and electrolytes (acids and alkaline). Excellent penetration, distribution and fixation of fatliquor. It can be used as unique fatliquor.	★★

★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**SULPHATED FATLIQUORS**

<b>SEROIL PLSN</b>	Compound based on sulphated fatliquor.	7,5	65%	Anionic	<p>SEROIL PLSN is a sulphated fatliquor for obtaining very full and firm grain leathers. The product can be used both only or combined with the other greases of our SEROIL product range. We can apply the product in wet blue, wet white and vegetable tanning.</p> <p>It characteristics are:</p> <ul style="list-style-type: none"> <li>-Grease stable to salts, acids and bases, as well as vegetable and synthetic tanning agents in the concentrations commonly used for the retanning and dyeing processes. The product is not stable to mineral salts or salt in high concentrations.</li> <li>- It does not contain in its composition any organic halogen, thus it does not contribute to the contamination of wastewater by AOX.</li> <li>- Does not contain any formaldehyde or APEO.</li> <li>- By not containing formaldehyde or alkylphenoxyloxylates in its composition and not contributing to the contamination of wastewater with absorbable organic halogens, the product accomplishes all modern ecological requirements.</li> <li>- It has an excellent degree of bath exhaustion, since the leather absorbs the product very well.</li> <li>- We highlight a greasing with: excellent fullness, extraordinary firmness of the grain, spring effect, pleasant touch of the surface and well spread dyes.</li> </ul> <p>Economic oil for all skin types, possible to be used as single greases. Skins with hang effect possible with a lot of inner softness, and no filling effect. Are obtained excellent stability to tanning baths and electrolytes (acids and alkalines).</p>	★★★
<b>SEROIL GSN</b>	Natural and synthetic sulphated fats.	7,5	68%	Anionic	<p>General purpose fatliquor for all skin types, whether tanned with chrome, vegetable agents or wet white. SEROIL GSN can be used as a single fatliquor especially in gloving, craft or upholstery. Light oil providing no fullness to the skin, good surface touch and good fastness to the light, especially for white or pastel-colour articles.</p>	★★★★
<b>SEROIL GSF</b>	Natural and synthetic sulphated fats.	7,5	35%	Anionic	<p>General economical fatliquor for all leather types, for tanned with chrome, vegetable agents or wet white. SEROIL GSF can be used as a single fatliquor especially in glove, garment or upholstery. Light oil without bringing fullness to the skin, good surface touch and good fastness to the light, especially for white or pastel-colour articles.</p>	★★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**CATIONIC FATLIQUORS**

<b>SEROIL SC-B</b>	Cationic polymer-fat.	3,0	20%	Cationic	<p>Cationic polymer-fat. Used to brighten color during dyeing process and increase the intensity of shades. Suitable for giving superficial pleasant feel in all articles, specially in velour or double face. To fix the anionic products at the end of the wet-end process.</p>	★★★★
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**LECITHIN FATLIQUORS**

<b>SEROIL LE</b>	Polymer fatliquor in lecithin base.	7,5	35%	Anionic	<p>SEROIL LE is an extraordinary versatile and economical product due to its excellent stability to acid and to electrolytes. It is an auxiliary fatliquor used as a complement to other oils to give pleasant touch. It is a product especially suitable for soft nappa articles getting a light weight, round touch and fullness to skins and heavy leathers. SEROIL LE combines perfectly with all types of anionic oils.</p>	★★★
<b>SEROIL SLL</b>	Polymer fatliquor on lecithin base.	7,5	49%	Anionic	<p>Lecithin-based greasing polymer. It can be used as a single fatliquoring. Because the product is liquid, it is easy to handle and does not have the usual problems of paste products, such as separations and rot among others.</p>	★★★
<b>SEROIL L</b>	Polymer fatliquor on lecithin base.	7,5	50%	Anionic	<p>SEROIL L is an extraordinarily versatile product due to its excellent stability to acids and to electrolytes. It is an auxiliary fatliquor used as a complement for other oils to give pleasant touch. Product especially suitable for soft nappa articles, to give a light weight, round touch and fullness. SEROIL L combines perfectly with all type of anionic oils.</p>	★★★

**LANOLIN FATLIQUORS**

<b>SEROIL LAN</b>	Polymer fatliquor in lanolin base.	7,0	50%	Anionic	<p>Polymer based on lanolin with a gentle greasy touch. It has Light water repellence, recommended for pull-up items for polishing and the burned effect. It can used also for all types of skins, whether they are chrome tanned, vegetable or mixed. It can be combined with natural oils improving the stability of the mixture.</p>	★★★
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★★★★ Excellent    ★★★ Good    ★★ Medium    ★ Poor

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**WATERPROOFING FATLIQUORS**

<b>SEROIL WPS</b>	Polymer and hydrophobic emulsifiers.	6,5	51%	Anionic	Waterproofing fatliquor. Medium level. Recommended for medium-soft articles like shoe-upper, leather goods, upholstery. To be used like a single fat or as a touch agent at the end of the process.	★★★★
<b>SEROIL WPH</b>	Polymer and hydrophobic emulsifiers.	6,5	51%	Anionic	Waterproofing fatliquor. High level. Recommended for medium-soft articles like a shoe-upper, leather goods, upholstery. To be used like single fat or as a feelin agent at the end of the process.	★★★★

**VEG LEATHER FATLIQUORS**

<b>SEROIL MLO</b>	Sulphited, semicrude and crude natural fats.	7,0	80%	Anionic	Special fat for vegetable tanned articles. It provides extremely good softness, round feel, mellowness and greasy touch. Extreme lubrication. It gives a very sweet cut when trimming or moulding the leather.	★
<b>SEROIL MLL</b>	Semi-Crude natural fats.	NA	75%	Anionic	Special fat for vegetable tanned articles. It provides extremely good softness, round feel, mellowness and greasy touch. Extreme lubrication. It gives a very sweet cut when trimming or moulding the leather.	★
<b>SEROIL VS</b>	Natural oils and sulphited synthetic.	7,0	65%	Anionic	Special oil for sole and vegetable items. It is often used in other items when looking for good penetration, fatliquor distribution and homogeneous leather tinctures with compact fiber without grain release. It also offers good light fastness. It is a very stable fat that prevents the formation of mud and tincture. In suede or nobuk items a soft touch and a good final shine is achieved.	★★★

PRODUCT	CHEMICAL COMPOSITION	PH	A.M.	CHARGE	DESCRIPTION	LIGHT FASTNESS
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**FUR LEATHER FATLIQUORS**

<b>SEROIL KM-24-23</b>	Natural and synthetic fat.	NA	100%	Anionic	Fatliquor range of fats known as kicking oils. They are mainly used for furs skins like mink, fox, marmot, beaver, rabbit... They have a very good penetration in the inner fibers of leather. The excess of fat is easily removed by drumming the dry leathers with sawdust. Good shine and silky hair is obtained.	★★★
<b>SEROIL KM-50</b>	Natural and synthetic fat.	NA	100%	Anionic	Fatliquor range of fats known as kicking oils. They are mainly used for furs skins like mink, fox, marmot, beaver, rabbit... They have a very good penetration in the inner fibers of leather. The excess of fat is easily removed by drumming the dry leathers with sawdust. Good shine and silky hair is obtained.	★★★



# Seradye

Dyes are organic substances soluble in an acidic, neutral or basic medium, which have an unsaturated molecular structure, that is, electronically unstable. Two groups can be distinguished: those responsible for the absorption of light, called chromophores and those capable of fixing the dye molecule to the skin and even intensify the role of chromophores, called auxocromos.

	<b>BROWN SOFT G</b>		<b>BLUE RF</b>		<b>YELLOW AN</b>		<b>BLACK NN-2</b>
	<b>BROWN SOFT Y</b>		<b>BLUE BN</b>		<b>ORANGE OR</b>		<b>BLACK NN-3</b>
	<b>BROWN SOFT R</b>				<b>RED RN</b>		<b>BLACK NN-4</b>
	<b>BROWN PNR</b>		<b>HAVANA HG</b>		<b>GREY LL</b>		<b>BLACK NN-5</b>
	<b>BROWN CRN</b>		<b>HAVANA R</b>		<b>BEIGE D</b>		
	<b>BROWN D3G</b>						
	<b>BROWN PNB</b>						

## SERADYE is our full range of acid dyes

These are low molecular weight anionics that contain strong acid groups. In general they have good penetration. This depends on the particle size, the molecular weight of the dye, the solubility and the degree of sulfonation. Their solubility increases with the presence of hydrophilic groups, mainly sulphonic, hydroxyl and ionic groups. React mainly by salt bond (much influence of pH).



# Finishing

Special oils

Casein

Waxes

Resin

Fillers

Lacquers

Pigments

Anilines

Solvents

Auxiliaries



A complete range of finishing products to obtain high quality articles. Waxes caseins, aqueous pigments, metallic dyestuffs, pull up oils, solvent and aqueous lacquers, acrylic and polyurethane resins.

# Finishing

## SPECIAL OILS

Strong pull-up effect oils.  
 Achieve smooth surface feel and some water-repellence.  
 Polishable.  
 Can be used on all kind of leathers, especially in corrected, full grain, timbers, full vegetable leather and greased articles.  
 You can obtain different articles when mixed with waxes.  
 Applied by gun (when diluted) or directly by airless or roller (diluted or without dilution).  
 We offer aqueous and solvent pull-up oils..

## CASEIN

When we wish to obtain a natural appearance.  
 Transparency and high gloss.  
 To achieve a smooth, natural feel and warmth.  
 They can be ironed at high temperature.  
 They form the base of polishable finishes.  
 Especially for vegetable tanned leathers and shoe finishing.

## WAXES

Warm/waxy/smooth to the touch. Natural appearance of finishing.  
 Grounding. Filling.  
 Polishable. Gloss and transparent.  
 Special Effects.  
 To reduce films plasticity.  
 Shoe finishing.  
 All the waxes in this range are non-ionic.

## RESINS

### PU-RESIN

Used to increase the flexibility of finishing coats. Good coverage.  
 To increase the rub fastness and wet and solvent resistance.  
 To increase the cold-crack film at low temperatures.  
 To increase the solvent resistance.

### ACRYLIC RESINS

Used when we are interested in increasing the flexibility of finishing coats.  
 Offers a good coverage.  
 To increase the wet rub fastness of natural finishings based on wax and casein.

### ESPECIAL RESINS

To be used as sole resin, adding pigment and lacquers.  
 The film characteristics can be modified by adding other products.  
 They achieve the coverage, anchorage, elasticity and appropriate feel according to the requirements of the article.

# Finishing

## FILLERS

They are used in ground compositions to improve the leathers grading due to their coverage.  
 They improve the covering of the finishes.  
 They give a matting effect, opacity or crack/breaking effect.  
 Excellent results are achieved in corrected grain, vulcanised split, hides having superficial scratches.  
 Used when we need to decrease the thermoplastic effect.  
 They improve the embossing film properties due to their hardness.

## LACQUERS AQUEOUS AND SOLVENT BASE

### AQUEOUS

High and natural gloss.  
 Good rubbing fastness.  
 Good film fixation.  
 For intermediate layers and final tops.  
 To improve the rubbing fastness water base lacquers can be reticulated with our Fix-Top RI.

### SOLVENT

High and natural gloss.  
 Rubbing fastness.  
 Good film fixation. Quick drying.

## AUXILIARIES

### LAMINATION

Special adhesives and auxiliaries for paper-film and other film material.  
 Different adhesion power and resistances.  
 Good fixations on films.

### WATERPROOFING-WATER REPELLANCY

To be applied in suede, nubuck, split and full grain.  
 To stop/reduce the penetration of some finishings.  
 Does not form a film.  
 Pleasant to the touch.

### PENETRATORS

When we need to improve the penetration of ground finishing.  
 To dilute impregnation resins.

### FEELING AGENTS

To improve and change the feel and touch of finishings.  
 To avoid the dry feel, plastic feel or tackiness.  
 To improve the wet and dry rub fastness.  
 To be used in final tops of resin or lacquer (solvent-emulsion).

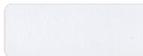
### CATIONIC

To obtain excellent filling effects and opacity.  
 Cationic products reduce the leather surface absorption and improve the break of finishing.  
 They are polishable and glazable.  
 They give a warm and waxy feel.

# Finishing

## CAPAFIN PIGMENTS

Water based pigment micro-dispersions.  
 All our Capafin Pigments are METAL FREE.  
 Casein free.  
 Light, clean colours.  
 Contain small quantities of charges.  
 Semi-transparent pigment. Fillers can be added in order to increase the opacity.  
 Excellent light, heat and migration fastness.

	<b>WHITE W</b>		<b>OCHRE W</b>		<b>YELLOW CL</b>		<b>BROWN CL</b>
	<b>WHITE NW</b>		<b>BROWN W</b>		<b>YELLOW N</b>		<b>BROWN FO</b>
	<b>YELLOW WS</b>		<b>BROWN MF</b>		<b>ORANGE N</b>		<b>BLUE CL</b>
	<b>ORANGE W</b>		<b>BLUE W</b>		<b>RED N</b>		<b>BLUE FO</b>
	<b>RED W</b>		<b>BLACK SH</b>		<b>BROWN N</b>		<b>BLACK N</b>
	<b>RED WF</b>		<b>BLACK BN</b>				
	<b>BORDEAUX W</b>		<b>BLACK W</b>				

## SERANIL ANILINES

Metal complex dyes in solvent form.  
 To be used mixed with pigment coats, aniline finishing and bi-colour contrast.  
 They are very suitable for lacquer colouring (solvent and water based).  
 They are water soluble when they are mixed with solvents or special penetrators (see Dyes Auxiliaries).  
 Good penetration and tinctorial efficiency.  
 According to their chemical composition, SERANIL dyes fulfill the maximum requirements of light, fixation, and migration fastness.



# Formulas

QUIMSER provides to our customers, partners and collaborators the tools to understand and work better with the products we manufacture.

With this purpose we offer you the possibility to check different formulas in order to work with all types of raw skins and the processes of the different leather treatment phases to create all kinds of products.

For more information visit our web. [www.quimser.com](http://www.quimser.com)



**Soaking,  
liming,  
deliming,  
bating &  
pickling**



**Tanning**



**Retanning,  
dye &  
fatliquoring**



**Finishing**

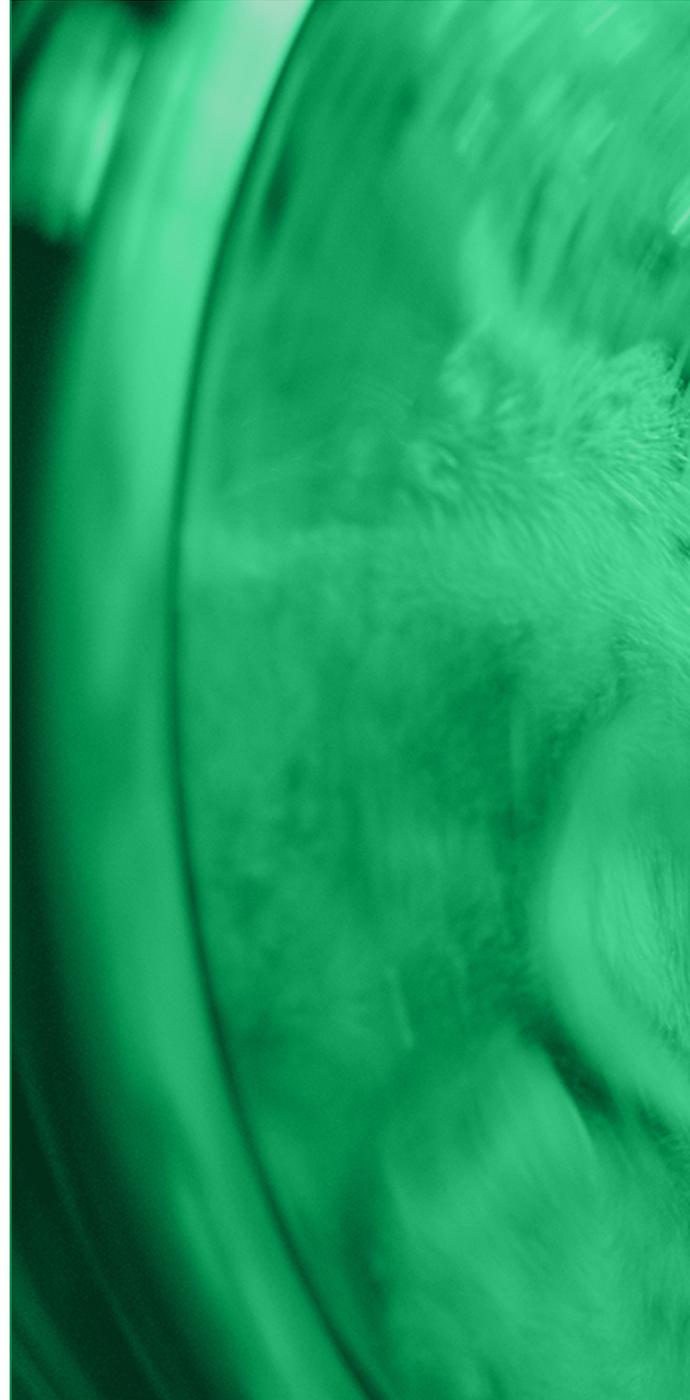


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