



schillseilacher.de

SINCE 1877

Schill & Seilacher
Leder- & Dégrasfabrik
STUTTGART

1877



1930 - 1933


SCHILL & SEILACHER
CHEMISCHE FABRIK
STUTTGART

1946 - 1947

1958 - 1970



1970 - 1980




Schill+Seilacher

1987 - 2014

SUCCUIR

2022

Karl
Schill



Christoph
Seilacher



TODAY

Schill+Seilacher
struktol
struktol
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LEATHER WET END

TECHNICAL PRODUCT INFORMATION

**THE PERFECT COMBINATION OF SUSTAINABILITY
AND SUPERIOR LEATHER.**




ABOUT SCHILL+SEILACHER

In 1877, Christoph Seilacher and Karl Schill founded their chemical factory with focus on manufacture of speciality products for the leather industry. Up-to-dateness and innovation in all areas of our product lines are the basis of our worldwide success. As a traditional German company, Schill + Seilacher places highest demands on quality of the developed products.

INNOVATIVE TECHNOLOGY FOR LEATHER

Although the preservation of animal skins was carried out to form the first clothing from the early beginnings of mankind, the first known articles made of vegetable tanned leather were discovered on the banks of the River Euphrates and date back to 3300 BC. Schill + Seilacher's involvement in the leather industry started some 5.000 years later in 1877. Today Schill + Seilacher's innovative product range allows the production of high specification leather for use in the aircraft, automotive and furniture industries with emphasis on the use of raw materials from sustainable sources. Furthermore products for water-resistant shoe, gloving and garment leathers belong, along with the more classic materials, to the very extensive range of auxiliaries, encompassing the requirements for the wet processing of leather. Experience, know-how, and innovative techniques ensure the production of agents for refining leather as required and make us a reliable partner for the industry.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SOAKING	AGLUTAN PR	Compounded proteases	> 98 %	anionic	9.5 - 10.5	Light beige powder		Soaking / Liming auxiliary for cleaner pelts with integrated buffering system. Reduces shoulder and belly draw, resulting in improved area yield. Results in clean,flat and light colour pelts.
	VINKOL A	Combination of proteolytic enzymes with additives	> 98 %	anionic	7.5 - 8.5	Off white powder		Soaking / Liming auxiliary for clean and flat pelts. Accelerates soaking time and increases the efficiency of liming chemicals. Leads to improved area yield with reduction of draw and wrinkles.
	VINKOL LV	Selected polyoles and hydrotropica in aqueous solution	42 - 46 %	-	7.5 - 8.0	Clear, colourless to yellowish liquid		Special product to prevent or reduce pronounced veins and control the degree of swelling. Dissolves residual blood in the veins and gives a more relaxed pelt with a clean grain.
UNHAIRING	VINKOL TG	Organic sulphur compounds	-	-	7.5 - 10.0	Clear, pink liquid		Mild action liming auxiliary with reductive properties for low-sulphide processing. Especially suitable for hair save processes. Promotes flat grain and reduced belly draw / wrinkles with improved area yield.
DELIMING	VINKOL LBA NEW	Derivatives of phosphonic acids in aqueous solution	-	-	0,5 - 1,5	Clear, colourless to yellowish liquid		Special product for the beamhouse to prevent lime-blast and remove existing lime blast. Strong complexing agent for calcium.
DEGREASING	PRISTOLAMIN TA	Amphoteric derivatives of fatty acids	53 -57%	amphoteric	8,0 - 10,0	Yellowish, viscous, slightly turbid liquid	 	Emulsifying system with excellent chrome-stability and masking effect for optimum distribution of chrome and natural fat. Improves tear strength and dye levelling.
	SILASTOL E	Anionic emulsifying agent	26 - 30%	anionic	5,0 - 9,0	Colourless to light yellowish, clear liquid		Soaking auxiliaries for leather. Provides an easy rewetting of wet-blue. Excellent degreasing, wetting and washing agents for furs, double face sheepskins and wool.
	SILASTOL EC	Nonionic emulsifying agent	88 - 92%	nonionic	5,0 - 8,0	Colourless , light yellowish, clear liquid	 	Surfactant and emulsifying agent for soaking, liming and degreasing of pelts, based on sustainable raw materials. Low foam formation compared to other tensides.
	SILASTOL ELN	Anionic and nonionic emulsifiers	48 - 52%	anionic	5,0 - 8,0	Yellowish, slightly turbid liquid		Soaking auxiliary for non fogging leather. Degreasing, wetting and washing agent for furs. Universally applicable with good bio-degradability
	SILASTOL E7	Nonionic emulsifying agent	67 - 71%	nonionic	5,0 - 8,0	Colourless, light yellow, clear liquid	 	Surfactant and emulsifying agent for soaking, liming and degreasing of pelts, based on sustainable raw materials. Low foaming.
	SILASTOL R 226	Mixture of alkanesulphonates	28 - 32%	anionic	6,0 - 8,0	Yellowish, clear to slightly turbid liquid		Leather auxiliary especially designed for use on vegetable tanned or pretanned leathers due to its anionic character. Promotes uniform and intensified dyeing.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
WETWHITE TANNING	DERUGAN AMF	Mixture with glutaraldehyde and additives	60 - 66%	nonionic	3,0 - 5,0	Clear, colourless-light yellowish liquid		Pre-tanning agent for the production of chrome and chrome free automotive leather with malodor eliminating additives.
	DERUGAN 3080	Mixture with glutaraldehyde	56 - 60%	nonionic	3,0 - 5,0	Clear, colourless liquid		Pre-tanning and retanning agent for all types of leather, especially wet white. Free of any VOC.
	UKATAN 24	Glutaraldehyde solution	23 - 27%	-	2,0 - 5,0	Clear liquid		Pre-tanning and retanning agent for all types of leather.
CHROME TANNING	UKATAN PRE	Sodium aluminium silicate	> 90%	-	10,0 - 12,0	White powder		Aluminium-based tanning- and retanning agent. Improves chrome exhaustion when used at the end of chrome tanning. Aids penetration, distribution and fixation of dyestuffs.
	DERUGAN Z	Styrene acrylate emulsion with glutaraldehyde	19 - 23%	nonionic	3,0 - 4,0	Milky liquid		Chrome saving polymer with tanning components for the use in the pickle to improve chrome exhaustion. Retanning agent for all types of leather to improve grain-tightness and fullness.
AUXILIARIES	AFROTIN CRO	Blend of emulsifying and fungicidal components based on TCMTB	-	nonionic	-	Brown liquid		Highly effective fungicide for hides, skins and furs. Chrome stable and free of PCP or any of its derivatives.
	AGLUTAN SO NEW	Proteolytic enzymes standardized with organic carriers	-	-	-	Beige powder		Acid bating agent, especially suitable for reducing pickle folds and to reduce wrinkles on wet blue stock. Results in a cleaner, softer grain on irregular-fibre skins such as goat and pigskins.






Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SYNTANS	UKATAN AG	Formulated dicyandiamide resin	> 94 %	anionic	8.5 - 10.5	Fine, light beige powder		Resin for the retannage of chrome-leather to improve fullness and to fill loose parts of the hide or skin. Recommended for use in waterproofing processes.
	UKATAN AM-W	Phenol derivatives and buffering substances	> 93 %	anionic	3.0 - 5.0	White powder		White syntan, for near zero emission on car upholstery leather with excellent light fastness and heat resistance. Highly recommended for white or pastel shades.
	UKATAN MD	Melamine based resin with inorganic fillers	> 94 %	anionic	9.0 - 11.0	Light beige powder		Resin for the retannage of chrome-leather to improve fullness, for firmer leather. Recommended for waterproof shoe upper retanning.
	UKATAN GA	Naphtalene-free condensate-product	> 92 %	anionic	5.0 - 8.0	Yellow-brown powder		Dispersing agent for vegetable tanning agents and resins. Levelling agents for even dyeing and good penetration of the dyestuff. Conditioner used in synthetic pre-tanning.
	UKATAN BMF	Blended naphtalene sulphonic acid formaldehyde condensate	> 93 %	anionic	3.5 - 6.0	Yellow-brown powder		Dispersing agent for vegetable tanning agents and resins. Levelling agent for even dyeing and good penetration of dyestuff. Conditioner used in synthetic pre-tanning. Recommended for automotive leather due to low emission values.
	UKATAN INF	Phenolic condensates with natural additives	93 - 98 %	anionic	3.0 - 5.0	Yellow-brown powder		Multi-purpose replacement syntan to improve grain-tightness and fullness of the leather.
	UKATAN SLS	Phenol based condensates	> 94 %	anionic	3.0 - 4.0	White powder		Multi-purpose white syntan with excellent light fastness and heat resistance. Negligible bisphenol content and no free formaldehyde.
	UKATAN NR	Phenolic compounds and buffering substances	> 94 %	anionic	6.0 - 9.0	Fine, white-yellowish powder		Neutralising agent with excellent buffering properties for avoiding over-neutralisation. Dyeing auxiliary to improve levelness without excessive colour bleaching.
	UKATAN BLD	Phenolic based syntan	> 93%	anionic	3,0 - 5,0	White powder		Multi-purpose white syntan with very good light fastness and heat resistance. Increases whiteness of chrome leather with good fullness and tightness.
	UKATAN SLH	Phenolic based syntan	> 93%	anionic	3,0 - 5,0	White to off white powder		Multi-purpose white syntan with excellent light fastness and heat resistance. Especially recommended for white and pastel shade leathers. Does not bleach the colour of dyed leather but enhances the brightness.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SYNTANS	UKATAN BLT	Dihydroxydiphenylsulfone condensate	> 92%	anionic	3,0 - 5,0	Beige powder		Multi-purpose replacement syntan with good light fastness and heat resistance. Universally applicable, low astringency syntan for all types of leather giving a fine, tight grain and even colour.
	UKATAN BWL	Solution of condensed aromatic sulphonic acids	38 - 42 %	anionic	3,0 - 5,0	Amber coloured solution		Liquid, multi-purpose replacement syntan with good light fastness and heat resistance. Suitable for white and light coloured leathers and for use in automatic dosing systems due to its liquid form.

ABOUT UKATAN

The bisphenol content of all Ukatan syntans has been optimised and reduced to lowest levels in accordance with current standards.

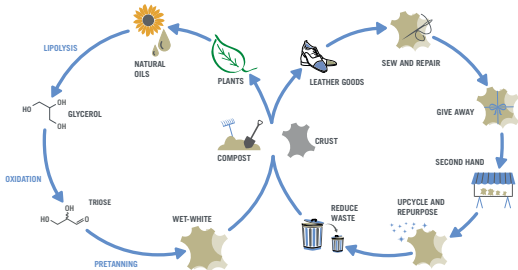
Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
POLYMERS	DERUGAN GT	Aqueous copolymer dispersion	34 - 38%	anionic	3,5 - 6,5	Homogeneous , milky emulsion		Defect levelling and grain-tightening agent for leather surfaces. Applicable in chrome floats.
	DERUGAN NB	Aqueous acrylic copolymers	33 - 37%	anionic	6,0 - 8,0	Yellow-brown, slightly turbid liquid		Retanning agent based on polymers to improve grain-tightness and fullness. Recommended for retanning of waterproof shoe upper leather.
	DERUGAN NF	Maleic acid styrene copolymer ammonium salt	18 - 22%	anionic	7,0 - 9,0	Yellow, turbid liquid		Retanning agent based on polymers to improve fullness and tightness of the grain – especially in the loose parts of the skin. Gives a light and fluffy leather character. Recommended for use in waterproofing processes.
	DERUGAN NG	Maleic acid styrene copolymer sodium salt	33 - 37%	anionic	7,0 - 9,0	Yellowish, turbid liquid		Retanning agent based on polymers to improve fullness and tightness of the grain – especially in the loose parts of the skin. Gives a firmer leather character and is recommended for retanning of waterproof shoe upper leather.
	DERUGAN RU	Aqueous acrylic polymer, copolymer solution	25 - 27%	anionic	6,0 - 7,0	Pale yellow liquid		Polymer based retanning agent for excellent grain-tightness and fullness as well as high chrome exhaustion.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
BASED ON RENEWABLE RAW MATERIALS	SUCCUIR	Oxidation products of polyhydric alcohols	40 - 50 %	nonionic	2.0 - 4.0	Yellowish-clear turbid liquid		Biogenic pre-tanning agent for production of all types of leather which is derived from renewable and sustainable waste streams. The wet-white is easy to split and shaved. Shavings and trimmings can be rapidly composted.
	NEOSUSTOL EQS	Mixture of saponified natural fatty acids	30 - 34 %	anionic	7.0 - 9.0	Yellow-brown homogeneous paste		Stuffing oil for the fatliquoring of vegetable-, chrome-tanned or vegetable retanned leather based on sustainable renewable resources.
	NEOSUSTOL LT	Natural softeners and modified lecithin based on renewable resources	88 - 92 %	anionic	6.0 - 8.0	Slightly turbid, liquid oil of brown colour		Modern fatliquor for environment friendly leather processing with high softening properties, especially for low-fogging automotive leathers.
	NEOSUSTOL RS	Natural softeners and modified lecithin based on renewable resources	86 - 90 %	anionic	6.0 - 8.0	Brown turbid oil		Low offer concentrate with high softening properties and good fogging characteristics for all types of leather. Creates low COD levels due to its high exhaustion rate. Imparts a soft warm touch with fine milling grain.
	NEOSUSTOL SUN	Natural softeners and modified lecithin based on renewable resources	88 - 92 %	anionic	6.0 - 8.0	Slightly turbid, liquid oil of brown colour		Concentrate with high softening properties, especially for low-fogging automotive leathers. Modern fatliquor for environment friendly leather processing.

ABOUT SUCCUIR

SUCCUIR, the all new triose-based wet-white tanning system from Schill + Seilacher will support you to manufacture biodegradable leathers with low environmental impact while fulfilling high performance standards. Made from waste streams using simplified chemical manufacturing SUCCUIR is a unique 100 % biogenic heavy-metal-free tanning technology. The chemical nature of SUCCUIR presents the perfect basis for leathers of high biodegradability making them benign by design.



















More Information: succuir.schillseilacher.de






ABOUT NEOSUSTOL

It's in our DNA, a long tradition using plant based raw material. The NEOSUSTOL range takes us to the next level of products from renewable, eco-friendly resources.




Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
LECITHIN BASED SOFTENERS	LIPSOL MSG	Combination of synthetic and natural softening agents	86 - 90 %	anionic	6.0 - 8.0	Brown turbid oil	 	Economic, low offer concentrate with high softening properties and good fogging characteristics for all types of leather. Creates low COD levels due to its high exhaustion rate. Imparts a soft and warm touch with fine milling grain.
	LIPSOL MPA	Modified phospholipids from sustainable sources.	88 - 92 %	anionic	6.0 - 8.0	Slightly turbid, liquid oil of amber colour	 	Concentrate from sustainable-renewable resources with high softening properties and lowest possible VOC load in automotive leathers. Free of formaldehyde, AOX and APEO.
	LIPSOL MQ	Mixture of natural and synthetic oils with synthetic emulsifiers	87 - 91 %	anionic	7.0 - 9.0	Brown to dark brown, turbid oil	 	Low fogging fatliquor for very soft automotive leathers, even at low offers. Due to its high exhaustion rates, creates extremely low COD levels. Provides an even and fine milling grain with a soft touch.
	LIPSOL LQ	Natural softeners and modified lecithin	88 - 93 %	anionic	6.0 - 8.0	Slightly turbid, liquid oil of brown colour	 	Concentrate with high softening properties, especially for low-fogging automotive leathers. Modern fatliquor for environment friendly leather processing.
	LIPSOL SQ	Modified lecithin with synthetic emulsifiers	89 - 93 %	anionic	6.0 - 8.0	Turbid, liquid oil of brown colour	 	Concentrate with high softening properties, especially for low-fogging automotive leathers. Modern fatliquor for environment friendly leather processing. Free of AOX.
	LIPSOL SQS	Modified lecithin and natural softeners with synthetic emulsifiers	88 - 92 %	anionic	6.0 - 8.0	Liquid oil of brown colour	 	Concentrate for low-emission automotive leathers with high softening properties and excellent stability to mineral tanning agents. Free of AOX and improves VOC/FOC properties of the leather.
	LIPSOL SQX	Modified lecithin and natural softeners with synthetic emulsifiers and oxidation protectors	88 - 92 %	anionic	6.0 - 8.0	Turbid liquid oil of brown colour	 	Concentrate with full oxidation protection and high softening properties. Flexible application from pre-fatliquor in pickle bath to main fatliquoring in and after retanning.
	LIPSOL QLN	Lecithin, emulsifiers and oils in aqueous emulsion	-	anionic	6.0 - 8.0	Yellow-brown emulsion	 	Economic fatliquor for all types of fluffy leather with smooth grain. Also suitable for low-fogging automotive leathers.
	OSSIPOL LN	Nonionic combination of lecithin with emulsifiers	61 - 64 %	slightly anionic	7.0 - 9.0	Yellow-brown paste		Fatliquor for all types of soft fluffy and light weight leather with a smooth grain. Imparts a warm and silky touch, ideal for garment leathers.
	OSSIPOL LNR	Anionic combination of lecithin and alkane-sulfonates	88 - 92 %	slightly anionic	6.0 - 9.0	Viscous, dark brown, slightly turbid oil		Concentrated semi-synthetic fatliquor for all types of soft and fluffy leather with silky grain.


Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
MARINE OILS	LIPSOL EB	Sulphited special fish oil with emulsifiers and nonfogging oils	76 - 80 %	anionic	5.0 - 7.0	Clear to slightly turbid red-brown oil		Universal fatliquor with excellent chrome-stability and low fogging properties. Improves tear strength and fullness of the leather.
	LIPSOL EXO	Sulphited natural oil with oxidation protector	70 - 76 %	anionic	5.0 - 7.0	Clear to slightly turbid red-brown oil		Fatliquor for all soft leather types with very good chrome stability and oxidation protector for the prevention of Chrome VI formation.
	LIPSOL EKF	Sulphited special fish oils	90 - 94 %	anionic	5.0 - 8.0	Red-brown oil		High concentration special fish oil fatliquor for all types of soft leather including vegetable tanned leathers due to high acid and salt stability. Strongly binds to leather fibres and improves tensile strength.


STRUKSORB SYSTEM

Automotive leathers produced using our absorber enhanced product range, not only have low odor themselves, but are also capable of reducing or suppressing external malodor within the interior environment of the car. The odor forming molecules will be chemically fixed and can not be released back into the atmosphere even when heated. This leads to a more comfortable and pleasant driving experience.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
ABSORBER ENHANCED	STRUKSORB L15	Non-ionic emulsifiers and odor reducing additives	61 - 65 %	nonionic	5.0 - 7.0	Colourless to yellow liquid		Surfactant and emulsifying agent with odor reduction additive for the soaking, liming and degreasing of pelts.
	STRUKSORB OZ- 67	Selected hydrocarbons emulsified with special polymers and odor reducing additives	36 - 40 %	anionic	5.0 - 7.0	Off white emulsion		High performance fatliquor for car upholstery leather supporting highest demands of light fastness and fogging. Reduces the subsequent smell of the crust and finished leather.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SYNTHETIC FATLIQUORS	LIPSOL FT10	Synthetic emulsifiers, oils and additives	61 - 65 %	anionic	5.0 - 7.0	yellow, slightly turbid oil		Automotive fatliquor with inbuilt odor control system also supporting highest demands of light-fastness, heat-resistance VOC and fogging.
	LIPSOL ARG	Synthetic emulsifiers and oils	61 - 65 %	anionic	5.0 - 7.0	clear yellow, slightly turbid oil		Fatliquor for car upholstery leather supporting highest demands of light-fastness , VOC and odor.
	LIPSOL BG	Alkanesulfonates, alkylphosphates and neutral oils	72 - 76 %	anionic	6.0 - 8.0	Clear, yellow oil		Synthetic fatliquor for soft nappa, especially suede leather with high sheen giving a good writing effect. Also promotes brilliant colour dyeing.
	LIPSOL BS	Alkanesulfonates, emulsifiers and synthetic oils	56 - 60 %	anionic	6.0 - 8.0	yellow, almost clear liquid		Synthetic fatliquor for tight grain shoe upper with excellent fat distribution and even colour. It is strongly bound to the leather fibre making it suitable for leathers which are vacuum dried.
	LIPSOL BSFR	Alkanesulfonates, synthetic oils and emulsifiers	65 - 68 %	anionic	7.0 - 8.5	Clear, yellow oil		Basic fatliquor for all types of shoe leather requiring a tight-grain. It is strongly bound to the leather fibre making it especially suitable for leathers that are to be strongly vacuum dried. Free of AOX.
	LIPSOL BSW	Synthetic emulsifiers and oils	86 - 90 %	anionic	5,5 - 6,5	Slightly turbid, yellowish oil		Basic fatliquor for all types of leather requiring a pronounced surface effect. Promotes a warm, waxy touch and high sheen writing effect on suede.
	LIPSOL ES	Alkanesulfonates, hydrocarbons and fatty alcohol sulfate	65 - 62 %	anionic	6.5 - 8.5	Yellow, clear to slightly turbid oil		Fatliquor with excellent stability to acids and salt, dispersing natural grease and stabilising fatliquors
	LIPSOL HP	Selected hydrocarbons emulsified with special polymers	36 - 40 %	anionic	5.0 - 7.0	Off white emulsion		High performance fatliquor for car upholstery leather supporting highest demands of light fastness, excellent heat-resistance and fogging. Especially suitable for light-weight leather production.
	LIPSOL MSW	Thermostable esters and synthetic oils	63 - 67 %	anionic	7.0 - 9.0	Milky, viscous, yellow oil		Highly effective fatliquor for white or pastel shade shoe upper and upholstery leather. Excellent light and heat-resistance with strong binding to the fibres, helping to avoid fat migration and fatty-spew.
	LIPSOL STO	Mixture of synthetic emulsifiers with neutral oils	46 - 50 %	anionic	7.0 - 9.0	White emulsion		Fatliquor, with excellent stability to mineral tanning agents, for the production of all types of leather. Dispersing effect for natural grease with improved penetration and even distribution of dyestuffs.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SYNTHETIC FATLIQUORS	NEOPRISTOL EWK	Alkylphosphates with solvents	38 - 42 %	anionic	7.0 - 9.0	Light yellow, viscous, slightly turbid oil		Fatliquor for all types of soft and light leather like sheep or bovine garment nappa to avoid stains and provide better dispersing of the fatliquoring float.
	NEOPRISTOL SWF	Alkylphosphates, neutral oils and alkanesulfonates	60 - 64%	anionic	7.0 - 8.0	Yellow, almost clear liquid with fluorescence		Fatliquor for very soft leathers with a light and fluffy character. Excellent penetration and strong binding to leather fibre. Easy to dilute and emulsify due to its liquid form.
	NEOPRISTOL SP	Alkylphosphates with solvents and activated silver carrier	38 - 42%	anionic	7.0 - 9.0	Slightly turbid pale yellow oil		Fatliquor for all types of soft and light leathers with odor blocking properties.
	NEOPRISTOL SWR	Alkylphosphates with neutral oils	62 - 66%	anionic	5.0 - 7.0	slightly turbid, yellow coloured gel		Fatliquor for very soft leathers especially garment and upholstery with a light and fluffy character. Suitable for use in the production of flame retardant leather.
	VINKOLAMIN C	Synthetic oils with quarternary ammonium salts	70 - 73%	cationic	6.0 - 8.0	Off white paste		Fatliquor for very soft leathers especially garment and upholstery with a light and fluffy character. Suitable for use in the production of flame retardant leather.
SPECIAL OILS	PERPRISTOL UT	Mixture of vegetable oils with special additives	100 %	-	-	Clear yellow oil		Raw oil component added to fatliquors to modify the leather character. Natural replacement for unsulphonated neatsfoot oil. Suitable for white and pastel shade leathers due to good light and heat resistance.
FATLIQUOR BLENDS	NEOPRISTOL BLP	Alkylphosphates with natural and synthetic oils	43 - 47 %	anionic	7.0 - 9.0	Yellow-brown, viscous emulsion		Fatliquor compound for all types of soft upholstery leather. Significantly improves tensile strength and provides a very fine milling grain.
	NEOPRISTOL MSK	Emulsion of lecithin with alkylphosphates	-	anionic	5.0 - 7.0	Yellow-brown emulsion		Economic fatliquor compound. Ideal for all types of soft nappa such as garment and gloving. Liquid and pumpable for automated systems. Imparts a light and fluffy leather character.
	OSSIPOL LE	Combination of lecithin and emulsifiers	42 - 46 %	slightly anionic	7.0 - 9.0	Beige-brownish emulsion		Fatliquoring compound for fluffy leather with a smooth grain. Imparts excellent softness and a silky touch. Suitable for synthetic/vegetable retanned bag and shoe leathers.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
FATLIQUOR BLENDS	LIPSOL KM	Natural and synthetic oils with emulsifiers and silicones	42 - 46 %	anionic	5.0 - 7.0	Yellow-brown emulsion		Fatliquor compound for light weight garment and gloving leather. The product is liquid and pumpable for easy use. The leather shows a light and fluffy character with a mellow touch.
	LIPSOL LB	Emulsified natural oils and lanoline	48 - 52 %	anionic	7.0 - 9.0	Yellow-brown paste		Fatliquor with waxy components for shoe upper leather. In combination with other suitable oils, provides an excellent burnishing effect.
	LIPSOL PES	Alkanesulphonates, nonionic emulsifiers and vegetable oils	53 - 57 %	anionic	6.0 - 8.0	Amber, slightly turbid oil		Fatliquor, with excellent stability to acids and mineral tanning agents, for the production of furs, especially double face sheepskins. No yellowing of wool due to its excellent lightfastness. Minimum extraction by solvents in degreasing.
	LIPSOL S	Alkanesulphonates with natural and synthetic oils	87 - 90 %	anionic	5.0 - 7.0	Clear, yellow oil		Top-fatliquor to impart high gloss and brilliant dyeing on suede and nubuck leather. Reduces water absorption of full grain shoe uppers helping to control penetration of subsequently applied finish.
	LIPSOL SPQ	Alkanesulphonates with synthetic oils and polymers	40 - 44 %	anionic	6.0 - 8.0	Beige emulsion		Polymer fatliquor for tight grain shoe upper. Very strong binding to the fibre so only a minimum amount can be extracted.




Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SPECIAL EMULSIFIER	LIMANOL GEW	Sodium salt of lightfast, modified amino acids	36 - 42%	anionic	7,0 - 9,0	Yellow, clear solution		Special emulsifying system designed for the production of waterproof leathers. Applicable in wet-processing above pH 4 including the wetting-back of crust leathers. No negative effect on Penetrometer or Maeser values, when used as directed.
	LIMANOL PEW	Sodium salt of modified fatty acids	42 - 46%	anionic	6,0 - 9,0	Yellow, clear to slightly turbid solution		Emulsifying system especially designed for waterproof leather production. Applicable in the wet-processing above pH 5, including wetting-back of crust leathers. There are no adverse effects on the Penetrometer or Maeser values, when used as directed.
	LIMANOL PXO	Sodium salt of modified fatty acids	42 - 46%	anionic	6,0 - 9,0	Yellow, clear to slightly turbid solution		Emulsifying system especially designed for waterproof leather production. Applicable in the wet-processing above pH 5, including wetting-back of crust leathers. There are no adverse effects on the Penetrometer or Maeser values, when used as directed.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SILICONE BASED	PERFECTOL CAR	Selected hydrocarbons emulsified with hydrophobic additives	50 - 54 %	anionic	6.0 - 8.0	Off white emulsion		Waterproofing fatliquor for car upholstery leather with high demands to water repellancy and light fastness. Provides very high water-resistance and low fogging values. Imparts excellent softness and a pleasant, silky touch.
	PERFECTOL CH	Special selected hydrocarbons emulsified with hydrophobic additives	48 - 52 %	anionic	6.0 - 8.0	Off white emulsion		Highly reactive fatliquor with strong fiber binding for car-upholstery with high demand on water-repellency and light-fastness. Reduces odors during processing and on crust and finished leathers.
	PERFECTOL HBP	Alkylphosphates with hydrophobic emulsifiers and neutral oils	38 - 42 %	anionic	6.0 - 8.0	Creamy emulsion of high viscosity		Fatliquor and touch modifier for garment and washable leathers. Imparts good non-wicking properties to leather. Improves fullness and helps to stabilise grain structure.
	PERFECTOL HQ	Paraffinoil and hydrophobic emulsifiers	46 - 48 %	anionic	7.0 - 8.0	Off white emulsion		Economical waterproofing fatliquor for high quality soft waterproof leathers. Recommended for all types of shoes, garment, gloves and upholstery. Imparts good fullness and softness to waterproof shoe upper.
	PERFECTOL HW	High molecular weight paraffins with lightfast hydrophobic additives	44 - 48 %	anionic	6.5 - 8.5	Off white emulsion		Light and heat-resistant waterproofing fatliquor for high quality soft waterproof leathers. Especially suitable for white and light coloured leathers.
	PERFECTOL IQ	Aliphatic oils and hydrophobic emulsifiers	42 - 46%	anionic	6.5 - 8.5	Creamy emulsion		Economical waterproofing agent for high quality soft waterproof leathers. Recommended as a topping agent to improve surface water-resistance.
	PERFECTOL K	Mixture of soaponified natural fatty acids	27 - 31%	anionic	8.5 - 10.5	Light yellow paste		Stuffing oil for the stuffing of vegetable, chrome tanned or veg retanned leathers. Helps to avoid the formation of fat spew and promotes even stuffing oil distribution. Imparts fullness and a pleasant waxy touch.
	PERFECTOL PQ	Homogenised blend of reactive silicones, aliphatic oils and hydrophobic emulsifiers	46 - 50%	anionic	6.0 - 8.0	White milky emulsion		High performance waterproofing fatliquor for soft aniline leathers exhibiting very good and level dyeing properties. Can be used for all types of soft nappa imparting a smooth, non-greasy touch.
	PERFECTOL PX	Homogenised blend of reactive silicones, aliphatic oils and hydrophobic emulsifiers	46 - 50%	anionic	6.0 - 8.0	Milky, white emulsion		Waterproofing fatliquor for soft aniline leathers exhibiting very good and level dyeing properties. Even when higher amounts are used, fatty patches are avoided.
	PERFECTOL QT	Emulsion of selected hydrocarbons with special silicones	50 - 54%	anionic	6,5 - 8,5	Off white emulsion		Waterproofing fatliquor providing strong surface protection due to its higher special silicone content. Can be combined with other suitable waterproofing fatliquors. Imparts a pleasant and slightly waxy surface touch.
	PERFECTOL QT EXTRA	Emulsion of selected hydrocarbons with higher quantity of special silicones	50 - 54%	anionic	6,5 - 8,5	Off white emulsion		Increased reactive silicone content providing very strong surface waterproofing protection even for leathers which are not completely impregnated.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SILICON BASED	PERFECTOL TG	Reactive silicon in anionic solution	31 - 35%	anionic	7,0 - 9,0	Turbid yellow oil		Oil free waterproofing compound for grain leather, nubuck and suede. Imparts strong surface water-repellency and can be used alone for oil free waterproofing. Low float COD values can be achieved due to very strong fibre bonding.
	PERFECTOL TH	Reactive silicon in anionic solution	43 - 47%	anionic	7,0 - 9,0	Slightly turbid yellow liquid		Oil free waterproofing compound for grain leather, nubuck and suede. Imparts strong surface water-repellency and can be used alone for oil free waterproofing. Can be used as a surface water-repellent on non-waterproof leather types.
	PERFECTOL TT	Reactive silicones supported by anionic surfactants	42 - 46 %	anionic	6.0 - 8.0	Clear pale oil		Waterproofing surface shield for grain leather, nubuck and suede. Can be used together with other Perfectols for optimum waterproofing. Imparts a pleasant mellow handle to the leather.
	PERFECTOL XR	Silicone based hydrophobic compound	38 - 42%	anionic	6,0 - 8,0	Homogeneous milky emulsion		All purpose high performance solo waterproofing fatliquor, imparting good filling, tight grain and even dyeing properties. Specially designed for short and simple waterproofing systems.
	PERFECTOL XTC	Silicone based hydrophobic compound	47 - 51 %	anionic	6,0 - 8,0	White emulsion		Silicone waterproofing fatliquor for high surface protection. Specially designed for short, simple waterproofing systems. Imparts good filling, tight grain and even dyeing properties. Suitable for Solo application and also for washable leathers.
	PERFECTOL QX	Special polymers combined with highly effective silicone-based additives	35 - 39 %	anionic	5.0 - 8.0	Off white emulsion		Waterproofing compound with filling properties for tight-grain waterproof leathers, satisfying the highest demands for both, waterproofing and leather quality. Excellent water vapour permeability is achieved due to high fibre coating.
POLYMER BASED	PERFECTOL WR	Polymers combined with hydrophobic emulsifiers, highly effective silicone-based additives and hydrocarbon oils	30 - 34 %	anionic	6.0 - 8.0	Off white emulsion		Waterproofing compound having filling properties for tight-grain leathers. Suitable for the production of washable leathers. Crust can be dry cleaned in solvent systems without loss of softness. Provides very good fullness and pleasant dry touch.
	PERFECTOL WX2	High molecular weight paraffins combined with highly effective polymeric waterproofing additives	35 - 40%	anionic	7,0 - 9,0	Off white emulsion		Waterproofing compound having good filling properties for tight-grain leathers that meet the highest demands for both waterproofing and leather quality. Provides very good fullness and pleasant dry touch.
	PERFECTOL XF	Reactive silicon and polymers in anionic solution	33 - 37%	anionic	5,0 - 8,0	White milky emulsion		Oil free waterproofing polymer for grain leather, nubuck and suede. For completely oil free leather, use in combination with Perfectol TG. Gives low float COD values when fully fixed.
OIL / WAX BASED	PERPRISTOL RCO	Mixture of selected oils and silicone derivatives	98 - 100%	-	-	Yellow-brown oil		Solvent free pull-up oil for surface coating on waterproof leather with dark oily pull-up effect and oily feel.
	PERPRISTOL RCT	Mixture of selected oils and silicone derivatives	98 - 100%	-	-	Yellow wax		Solvent free pull-up oil with very low VOC, for surface coating on waterproof leather. Does not affect Maeser and penetrometer values of waterproof leathers. Supports strong and dark pull-up effect on crust and nubuck.

Application Type	Product Name	Composition	Active Substance	Charge	pH	Appearance	Eco Grade	Short description
SALT BASED	FLACAVON B 45	Combination of organic and inorganic phosphates and halogenic salts	38 - 40 %	anionic	6.0 - 8.0	Colourless solution		Special product for flame retardant crust protection, completely free of antimony and AOX. Easy application by spray or coating machine. Minimum char-length and short residual burning and afterglow times.
	FLACAVON FS	Combination of inorganic phosphates and halogenic salts	16 - 20 %	anionic	4.0 - 6.0	Colourless solution		Special product for flame retardant crust protection, completely free of antimony and AOX. Easy application by spray or coating machine. Minimum char-length and short residual burning and afterglow times.
	FLACAVON HR	Compound with alkyl-ether phosphate	51 - 55 %	anionic	8.5 - 11.5	Yellow, viscous, slightly turbid oil		Special softener for flame retardant and heat resistant leather. Particularly improves results of the heat-release test. Easy to apply, like a fatliquor. Short residual burning and afterglow times.
PIGMENT BASED	FLACAVON SBF	Compound with halogenated additives, antimony free	65 - 69 %	-	6.0 - 8.0	White, viscous dispersion		Environmental friendly product for flame retardant leathers, free of antimony, with no inhalation risks. Short residual burning and afterglow times.
	FLACAVON CAT	Compound with antimony pentoxide	58 - 60%	-	4.0 - 7.0	Light yellowish solution		Special product for flame retardant leathers, free of AOX. Easy to apply in the drum. Minimum char-length with short residual burning and afterglow times.
	FLACAVON RBI	Aqueous dispersion on the basis of nitrogen compounds and bromine donators	59 - 63%	nonionic	5.5 - 9.5	White to off white dispersion		Special product for flame retardant leathers, free of antimony. Easily applied in the drum during retanning and in the final bath. Minimum char-length with short residual burning and afterglow times.
	FLACAVON ROC	Aqueous dispersion of antimony derivatives and organic halogen donators (SVHC free)	66 - 70%	nonionic		White dispersion with medium viscosity		Easy application special additive for the production of flame retardant leather with short residual burning and afterglow time.
	FLACAVON BLE	Compound with antimony pentoxide and halogenated additives	65 - 69%	-	4.0 - 6.0	White, viscous dispersion		Environmental friendly product for flame retardant leathers with no inhalation risks. Easy application in the drum. Minimum char-length with short residual burning and afterglow times.

ECO GRADE LEGEND

-  Reduces environmental impact during leather production as compared to standard processing
-  Product made from predominantly renewable resources, with reduced environmental impact in leather processing
-  Product made from sustainable/renewable resources, with very low environmental impact in leather processing

CONTACT US.

Our service team will be pleased to answer any questions and to assist you with advice and information at all times. We can also advise you of the contact data of our local offices and agencies. Data sheets and samples of our products are available upon request.

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