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CRUDE FATLIQUORS

General properties

Fatliquors that have experienced no chemical reaction or special treatment.

Totally insoluble in water.

Leathers with very good round feel, filling and fullness are obtained.

Excellent fiber lubrication, providing a better silky cut, specially in vegetable tanned leathers.

Good light resistance.

Greasy-soft feel.

During the fatliquoring process, combined with other fatliquors, they improve the lubrication power of fatliquor-mixture and better greased leathers both on the surface and the inside are achieved.

Fatliquors specially used in processes where strong drying is applied and when its necessary to a greasy or overgreased.

In finishing, we can obtain special grain lubrication when applied superficially.

As these fats remain mainly on surface, they can improve the dyeing intensity and offer certain darkness to the leather.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Application:
SEROIL PBT	Natural origin fat.	Fluid liquid. Opalescent. Brown.	NA 100 Anionic	Good	<p>General fatliquoring, mixed with other fatliquors. All kind of leathers: % on shaved weight: 0,5-2% Top or final overgreasing : % on shaved weight : 0,5-1,0%.</p> <p>Can be added along with a cationic fatliquor like SEROIL SC-B (1%) On crust leathers or semi-dried, like superficial overgreasing, specially in vegetable tanned leathers. Table stuffing grease, by hand or roller : 100%</p>
SEROIL PB	Natural and synthetic origin fat.	Fluid liquid. Opalescent. Brown.	NA 100 NA	Good	
SEROIL CC	Quality natural origin fat.	Fluid liquid. Transparent. Yellowish.	NA 100 NA	Good	
SEROIL OF	Synthetic origin fat.	Fluid liquid. Transparent. Yellowish.	NA 100 NA	Excellent	

SULPHATED FATLIQUORS

General properties

Sulphated fatliquors are produced by reaction of fats with sulphuric acid.

Leathers with very good round feel, filling or fullness are achieved.

Provides soft leathers with good tight grain and elasticity.

Good light fastness.

Due to the excellent sulphatation grade, QUIMSER fatliquors provide a uniform distribution of fat in the inside of leather.

Very useful for all kind of articles like cow, sheep and goat.

Especially suitable for vegetable tanning leather.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Product properties
SEROIL PLSN	Compound based in sulphated fatliquor.	Fluid liquid. Transparent. Amber.	7,5±0,5 65±2 Anionic	Good	General application . Napa, shoes, leather goods.
SEROIL TL	Sulphated fatliquor	Fluid liquid. Transparent. Brown to reddish.	7,5±0,5 70±2 Anionic	Good	General application . Napa, shoes, leather goods. High concentration of sulphated base. It is very suitable for other quality sulphated fatliquor production.

SULPHITED FATLIQUORS

General properties

Sulphited fatliquors are produced by reaction of fats with sodium bisulphite.

In general they give smooth and very soft leathers but no filling effect.

Provide hang hides with high inner softness.

Excellent stability to tanning baths and electrolytes (acid and alkaline).

Can be used in all production stage, like tanning or retanning.

Excellent penetration, distribution and fixation of fat.

Can be used as a single fatliquor. Specially TTK and CMT.

Complete relaxation of the fibers cause excellent milling properties.

Light fastness will depend on the type of fatliquor.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Product properties
SEROIL TTK	Natural oils and sulphited synthetic.	Fluid liquid. Transparent. Yellowish.	7,5±0,5 70±2 Anionic	Good	Unlike other fatliquors, it has many sulphated fatliquors characteristics. It can be used as a sulphated fatliquor. It improves the dyestuff evenness in dyeing process without reducing the dyes intensity. Very recommended for shoe-upper articles.
SEROIL CMT	General mixture of natural and synthetic sulphited fats.	Fluid liquid. Transparent. Brownish.	7,5±0,5 57,5±2 Anionic	Good	Can be used like single/main fatliquor. Can get a medium level characteristics like superficial touch, superficial and inner softness, medium roundness, light looseness. Good dye evenness.
SEROIL MQ-SP	Based on COD oil.	Fluid liquid. Transparent. Dark brown.	7,0±0,5 85±2 Anionic	Good	Deodorized. Very soft leathers.
SEROIL MQ-9	Sulphited fish oil.	Fluid liquid. Transparent. Dark brown.	8,5±0,5 85±2 Anionic	Poor	High soft level in wet-blue leathers. Very good penetration and fixation.

SEROIL SU	Natural oils and sulfited synthetic.	Fluid liquid. Opalescent. Light brown.	7,5±0,5 70±2 Anionic	Good	Deodorized. Very soft leathers.
SEROIL MS	Natural and synthetic Sulphited fats.	Fluid liquid. Transparent. Dark brown.	7,5±0,5 70±2 Anionic	Poor	Excellent results used in vegetable tanning leathers. Give very light color leathers without oxidation. High soft level in wet-blue leathers.
SEROIL SMZ	Based in synthetic COD and Sperm oil.	Fluid liquid. Opalescent. Light brown.	7,5±0,5 50±2 Anionic	Good	Economic. In difference with the other fatliquors, it has many sulphated fatliquors characteristics. It can be used as sulphated fatliquor. It improves the dyestuff evenness in dyeing process avoiding low dyes intensity. Very recommended for shoe-upper articles.
SEROIL P	Natural and synthetic Sulphited fats.	Fluid liquid. Opalescent. Brown to reddish.	7,5±0,5 50±2 Anionic	Poor	Economic. For all kind of articles.
SEROIL PT	Natural and synthetic Sulphited fats.	Viscous liquid. Transparent. Brown.	7,5±0,5 50±2 Anionic	Poor	Economic. Special for shoe-upper, security shoes. Good lubrication, low softness.

SYNTHETIC FATLIQUORS AND POLYMERS BASE

General properties

Synthetic fatliquors and polymers based on petrol derivatives.

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 compactation.

Odourless fatliquors or light-pleasant smell

Inoxidable and unrancid fatliquors. Good electrolytes stability. Can be used in tanning, retanning, acid and alkaline baths. Excellent buffing behaviour.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Product properties
SEROIL SOF	Synthetic-waxy polymer.	Fluid liquid. Opalescent. Yellowish.	7,5±0,5 45±2 Anionic	Excellent	Especial for white leathers. It improves and can get white leathers with bluish tone and cleaner leathers. It improves the bleaching and cleaning of wool leather. Leathers with good tight grain and spring feel are obtained. Garments, gloves, double face, upholstery.
SEROIL SPN	Synthetic polymer.	Fluid liquid. Transparent. Yellowish.	8,0±0,5 60±2 Anionic	Excellent	Especial for white leathers. It improves and can get white leathers with bluish tone and cleaner leathers. It improves the bleaching and cleaning of wool leather. Leathers with good tight grain and spring feel are obtained. Garments, gloves, double face, upholstery.
Seroil SPC	Synthetic polymer.	Fluid liquid. Transparent. Yellowish.	7,5±0,5 60±2 Anionic	Excellent	Dry feel. Do not affect the dyestuff intensity. Improve the emulsion and penetration of fatliquoring mixture.
SEROIL FO	Phosphoric polymer.	Fluid liquid. Transparent. Yellowish.	7,5±0,5 60±2 Anionic	Excellent	Soft and smooth leathers. All kind of leathers.
SEROIL FE	Phosphoric polymer.	Fluid liquid. Transparent. Beige	7,5±0,5 50±2 Anionic	Excellent	Soft and smooth leathers. All kind of leathers.
SEROIL JP	Waxy-Synthetic polymer.	Viscous liquid. Opalescent. White.	7,5±0,5 50±2 Anionic	Excellent	Waxy-smooth feel. Garments, Napa, natural articles whe good feel is required. Low waterproofing effect.

TOUCHING FATS

General properties

Special polymers and fats, touching auxiliaries, lecithin, lanolin, waterproofing, cationic.

Recommended for all kind of articles.

Suitable to obtain leathers with superficial waxy-feel touch.

Excellent fibers lubrication. They do not reduce the fiber compactation.

Getting leathers with round feel and fullness.

Produce leathers with tight grain and springy feel.

Good light fastness.

Good resistance to chrome, vegetable extracts, rechroming and neutralisation baths.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Product properties
SEROIL L-9	Polymer fatliquor in Lecithin base.	Semi viscous liquid. Opalescent. Dark brown.	7,5±0,5 90±2 Anionic	Good	Can be used like single fatliquor. It is a very concentrated fatliquor. Since it is a liquid product, it is easy to use and avoid problems, like separation, putrefaction and others.
SEROIL L	Polymer fatliquor in Lecithin base.	Pasty. Opalescent. Yellowish.	7,5±0,5 50±2 Non-ionic	Good	Pleasant feel and inner lubrication.
SEROIL SLL	Polymer fatliquor in Lecithin base.	Fluid liquid. Transparent. Brown.	7,5±0,5 49±2 Anionic	Good	Can be used like single fatliquor. Since it is a liquid product, it is easy to use and avoid problems, like separation, putrefaction and others.
SEROIL LAN	Polymer fatliquor in Lanolin base.	Pasty. Opalescent. Yellowish.	7,0±1,0 50±2 Anionic	Good	Low penetration. Grassy feel. Low waterproof effect. Recommended for pull-up articles. Improve the polishing and burning effect.
SEROIL SC-B	Cationic polymer-fat.	Fluid liquid. Opalescent. White.	3,0±0,5 20±1 Cationic	Excellent	Used to brighten color during dyeing process and feel increase the intensity of shades. Suitable to give superficial pleasant feel in all articles, specially in velour or double face. To fix the anionic products at the end of wet-end process.

SPECIAL FATS

General properties

Several special fatliquors range for special Applications/articles.
Having diverse chemical composition.

Product	Chemical composition	Apearance Transparency Color	pH A.M. Charge	Light Fastness	Product properties
SEROIL CL	Synthetic fats and surfactants.	Fluid liquid. Opalescent. White.	7,0±0,5 45±2 NA	Excellent	Especial composition used as a complement in fatliquoring process, to improve the emulsion of fat mixture, penetration and softness of leathers. Can be used in all processes of leather and all kind of articles when softness, lubrication and light weight is required. Specially for gloves, garments, double-face, furs... Stable to electrolytes. It can be applied by brush or sponge (fur skins).
SEROIL KM-24	Natural and synthetic fat.	Viscous liquid. Opalescent. Brown.	NA 100 NA	Good	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 easy removed by drumming the dry leathers with sawdust. Good shine and silky hair is obtained.
SEROIL MLL	Semi-Crude natural fats.	Pasty. Opalescent. Yellowish.	NA 75±2 Anionic	Poor	Special fat for vegetalble tanned articles. Provides extremely good softness, round feel, mellowness and greasy touch. Extrem lubrication. Give a very sweet cut when trimming or moulding the leather.
SEROIL MLL-2	Natural fats.	Pasty. Opalescent.	NA 100	Poor	Special fat for vegetal tanned articles. Provides extremely good softness, roundness, mellowness and greasy touch. Lubrication is extreme. Give a very sweet cut when trimming or sharpening the leather.
SEROIL MLO	Sulfited, semicrude and crude natural fats.	Viscous liquid. Opalescent. Brown.	7,0±0,5 80±2 Anionic	Poor	Special fat for vegetal tanned articles. Provides extremely good softness, roundness, mellowness and greasy touch. Lubrication is extreme. Give a very sweet cut when trimming or sharpening the leather.

SEROIL VS	Natural fats and sulphated synthetics.	Fluid liquid. Opalescent. Light brown.	7,0±0,5 65±2 Anionic	Good	Special fatliquor for sole leather and vegetable also articles. It can be also used for other articles when looking for a good penetration, fat distribution and homogeneous colored hides with tight grain and no looseness. Good light fastness also. In Sole/Vegetable leather is very stable fat avoiding mud formation and dye stains. In suede articles it provides silky feel and good final shine.
SEROIL WPS	Greasing fat polymer.	Viscous liquid. Opalescent. White.	6,5±0,5 51±2 Anionic	Excellent	Waterproofing fatliquor. Medium level. Recommended for soft articles, like gloves, garments, nappa. To be used like single fat. Application: It is recommended do not use any surfactant during the process and make a strong neutralisation, not lower than pH 4,8. To be used like single fat. The maximum effect is achieved after fixation of fat at the end of process with a metallic salt (Cr, Al, Zr).
SEROIL WPH	Greasing fat polymer.	Viscous liquid. Opalescent. White.	6,5±0,5 51±2 Anionic	Excellent	Waterproofing fatliquor. High level. Recommended for medium-soft articles, like shoe-upper, leather goods, upholstery. To be used like single fat. Application: It is recommended do not use any surfactant during the process and a make strong neutralisation, not lower than pH 4,8 The maximum effect is achieved after fixation of fat at the end of process with a metallic salt (Cr, Al, Zr).
PLASTISER RA	Sulphated castor oil. Ammonium salt.	Viscous liquid. Transparent. Amber.	7,5±0,5 80±2 Anionic	Good	Sulphated castor oil has a wide variety of applications in many different sectors. It functions as a softener, wetting agent, degreaser, dispersing agent, emulsifier, foam stabilizer, surface tension agent, solubilizer, plasticizer... In the leather industry, it is used as a quality fatliquor, as a feel agent and also in the last fatliquoring stage and in finishing as a dye intensifier and levelling agent.
PLASTISER RS	Sulphated castor oil. Sodium salt.	Viscous liquid. Transparent. Amber.	7,0±0,5 75±2 Anionic	Good	Sulphated castor oil has a wide variety of applications in many different sectors. It functions as a softener, wetting agent, degreaser, dispersing agent, emulsifier, foam stabilizer, surface tension agent, solubilizer, plasticizer... In the leather industry, it is used as a quality fatliquor, as a feel agent and also in the last fatliquoring stage and in finishing as a dye intensifier and levelling agent.