



THE FUTURE STARTS NOW.

Discover our new 'AU line' for
Automotive Leather Industry.



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The Automotive Leather Industry has reached very high standards in terms of environmental impact and “clean” technology, thus FGL International has developed its new range of Automotive Auxiliaries based on the latest requirements coming from the market.

At FGL International, we take very seriously the new challenges; this is why we believe our “AU” line will be a step ahead for the leather car interiors and avionic industry, where performances and style will be main issues and will make the difference in terms of environmental sustainability and quality.

FGL International's highly skilled technical staff is ready to give all our clients worldwide all the support in achieving outstanding results through the best application of our new “AU” line.





LECOSIN CDD

**NAPHTHALENE NEUTRALIZING AUXILIARY SYNTAN
FOR CHROME LEATHER**

ANALYSIS

TOTAL SOLIDS	Min. 90.0%
pH SOLUTION 2%	6.5 - 8.5

PROPERTIES AND APPLICATIONS

LECOSIN CDD is a naphthalene based auxiliary syntan easily soluble in water, possessing a strong neutralising capability for chrome and other mineral tannages, and can also be used on vegetable leathers.

LECOSIN CDD has a low affinity for the leathers to be neutralised promoting finished leathers with a smooth and tight grain.

LECOSIN CDD has high buffering properties which ensure a uniform neutralising through the section and on the grain surface. This characteristic is important for the subsequent stages such as retannage and dyeing to assist with uniform distribution.

LECOSIN CDD can be used alone or in combination with other neutralising agents and it can be added to the drum in powder form without risk of staining or damaging the leather.

LECOSIN CDD is particularly recommended for automotive articles.

SUGGESTED PERCENTAGES OF USE

In neutralising process	1 - 3% on shaved weight
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STORAGE CONDITION:

LECOSIN CDD maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C.

The information included in this file, experimentally tested, should be considered as an advisory instrument. The use of our products must be adapted to environmental conditions and materials to be treated.

Mod. L11 Ed. 1 del 30.01.2018



LECOSIN CN

**NAPHTHALENE AUXILIARY DISPERSING
SYNTAN**

ANALYSIS

TOTAL SOLIDS	Min. 89.0%
pH SOLUTION 2%	7.5 - 8.5

PROPERTIES AND APPLICATIONS

LECOSIN CN is a neutral naphthalene auxiliary syntan with good dispersing levelling properties for anionic dyestuffs.

LECOSIN CN used in retannage allows a uniform distribution of retanning agents and standard fatliquor used assisting in promoting leathers with a fine grain. Thanks to its chemicals composition is particularly recommended for automotive articles.

LECOSIN CN used in small percentages works as acid dye dispersing agent but if used in higher percentages (about 2%) guarantee a complete penetration.

LECOSIN CN can be used in the vegetable tannage of leathers where its dispersing action reduces the risk of aggregation and promotes easier penetration of the vegetable extracts.

SUGGESTED PERCENTAGES OF USE

In retannage	1 - 4% on shaved weight
In dyeing	0.5 - 6% on shaved weight
In vegetable tannage	2 - 4% on limed weight

STORAGE CONDITION:

LECOSIN CN maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C

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Mod. L11 Ed. 4 del 30.01.2018

FGL International S.p.A.- Italy - Ph +39 0571 478851 - Fax +39 0571 480923 e-mail: fgl.cast@fgl.it



International

ITALIAN LEATHER TECHNOLOGY

LECOSIN CV/2

PHENOLIC REPLACEMENT SYNTAN FOR SOFT ARTICLES

ANALYSIS

TOTAL SOLIDS	Min. 92.0%
LIGHTFASTNESS	GOOD
pH SOLUTION 2%	5.0 - 6.5

PROPERTIES AND APPLICATIONS

LECOSIN CV/2 is a white spray dried powder of phenolic base readily soluble in water at any temperature.

LECOSIN CV/2 is a replacement syntan particularly suitable for chrome leather retannage where softness, good fullness and roundness and a fine grain are required. It is particularly recommended for automotive articles.

LECOSIN CV/2 also possesses good bleaching properties if used as retanning agent on chrome stock and the resulting leather has good light fastness.

LECOSIN CV/2 can be used as pretanning agent, prior to the chrome tannage of sheepskins to improve the softness and lightness suitable for clothing leather.

SUGGESTED PERCENTAGES OF USE

In retannage of chrome leather	4 - 6% on shaved weight
In retannage for white leather	6 - 8% on shaved weight
In pretannage of sheepskin	3 - 5% on pickled weight before the addition of chrome

STORAGE CONDITION:

LECOSIN CV/2 maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C.

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LECOSIN FNB

REPLACEMENT SYNTAN FOR SOFT ARTICLES
ON LIGHT COLORS

ANALYSIS

TOTAL SOLIDS	Min. 92.0%
LIGHTFASTNESS	MEDIUM
pH SOLUTION 10%	3.0 - 4.0

PROPERTIES AND APPLICATIONS

LECOSIN FNB is a methylene condensed of arylsulphonic acids easily soluble in water at any temperature.

LECOSIN FNB is a replacement syntan particularly recommended for chrome retannage where high softness with good fullness and light colour are required.

LECOSIN FNB used on retannage of chrome allow to obtain leathers with fine and uniform grain with good properties during dyeing and fatliquoring process. It is particularly recommended for automotive articles.

LECOSIN FNB can also be used in combination with vegetable tannins. It increase fullness and compactness characteristics.

SUGGESTED PERCENTAGE OF USE

In chrome retanning 3 – 6% on shaved weight

In chrome retanning for white 5 – 8% on shaved weight

STORAGE CONDITION:

LECOSIN FNB maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C.

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Mod. L11 Ed. 2 del 30.01.2018

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International

ITALIAN LEATHER TECHNOLOGY

LECOSIN F88

FILLING PRODUCT BASED ON NATURAL
PROTEINS

ANALYSIS

TOTAL SOLIDS	Min. 85.0%
pH SOLUTION 1:10	6.0 – 7.0

PROPERTIES AND APPLICATIONS

LECOSIN F88 is a fine white powder based on vegetable proteins suitable for filling spongy and empty parts of the leathers such as bellies.

LECOSIN F88 can be added in retannage together with usual blend of syntans and/or retanning resins or in fatliquoring process in order to obtain a filling effect without compromising article softness.

LECOSIN F88 can be used with excellent results on corrected grain leathers or splits improving the buffing. It is particularly recommended for automotive articles.

SUGGESTED PERCENTAGES OF USE

In retannage	2 - 6% on shaved weight
In fatliquoring process	1 - 3% on shaved weight Together with fatliquor blend

STORAGE CONDITION:

LECOSIN F88 maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C.

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Mod. L11 Ed.2 del 30.01.2018

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ECOSINT 300W

RETANNING AND SOFTENING POLYMER FOR
WHITE LEATHER BASED ON A VERY NEW
CONCEPT

ANALYSIS

DRY RESIDUAL	MIN 92.0%
LIGHTFASTNESS	EXCELLENT
pH SOLUTION 1:10	3.9 –4.9

PHENOL AND FORMALDEHYDE FREE

PROPERTIES AND APPLICATIONS

ECOSINT 300W is a white powder phenol and formaldehyde free

ECOSINT 300W is a anionic retannage, lightfastness which imparts to the leathers good firmness and fullness.

ECOSINT 300W thanks to is chemical characteristics it is recommended for automotive articles has a high bleaching effect on wet-blue leathers

ECOSINT 300W can be used after neutralization alone or in combination with other anionic retanning agents when white or pastel shade leathers are desired without using syntan based on phenol and/or formaldehyde

SUGGESTED PERCENTAGES OF USE

In retannage from 2 to 6% in consideration structure and leather thickness to be treated

STORAGE CONDITION:

ECOSINT 300W maintains its chemical properties for at least two (2) years if stored on its original packing at temperature between 5° C and 40° C

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LECOREN N/22

STYRENE COPOLYMER

ANALYSIS

ACTIVE SUBSTANCE	17.0 – 20.0%
LIGHTFASTNESS	GOOD
pH SOLUTION 1:10	6.2 - 7.2

PROPERTIES AND APPLICATIONS

LECOREN N/22 is an anionic resin based on styrene copolymer in an aqueous solution with a light yellow colour, easily dilutable in water.

LECOREN N/22, thanks to its chemical composition, is particularly recommended for automotive articles.

LECOREN N/22 is used to retan the chrome and vegetable-tanned leathers to produce articles with a fine grain and where it is necessary to obtain a particular softness and elasticity.

LECOREN N/22 has the capacity of levelling and compacting the fibrous structure of the leathers and for this reason it can be used for velour leathers.

SUGGESTED PERCENTAGES OF USE

In retannage 4 - 5% on shaved weight

STORAGE CONDITION:

LECOREN N/22 maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 1 del 30.01.2018

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LECOREN H 400

ACRYLIC POLYMER IN AQUEOUS SOLUTION

ANALYSIS

TOTAL SOLIDS	19.0 – 21.0%
pH SOLUTION 1-10	5.5 - 6.5

PROPERTIES AND APPLICATIONS

LECOREN H 400 is a transparent fluid easily soluble.

LECOREN H 400 thanks to its chemical characteristics finds its ideal use as chrome leather retanning agent when excellent firmness and particular fine grain are required.

LECOREN H 400 allows to consolidate leather structure especially when it is particularly loss and empty and it avoids blowings

LECOREN H 400 can be used in combination with other synthetic and vegetable retanning agent, fatliquors and anionic dyestuff.

LECOREN H 400 is particularly recommended for nubuck leathers and automotive articles in consideration of its low fogging value

SUGGESTED PERCENTAGES OF USE

In retannage	2 - 4% on shaved weight in consideration of desired effect
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LECOREN H 400 maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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PERMASOL DT new

DISPERSING POLYMER

ANALYSIS

ACTIVE SUBSTANCE	24.0 – 26.0%
pH SOLUTION 1:10	10.5 – 11.5
HARD WATER STABILITY	EXCELLENT

PROPERTIES AND APPLICATIONS

PERMASOL DT new is very fluid liquid polymer.

PERMASOL DT new is a new polymer in solution. It has high dispersing effect on traditional retanning agent, anionic dyestuffs and fatliquors especially on waterproof fatliquors without effecting the action.

PERMASOL DT new has very good lightfastness, heat resistance and it is odourless. Thanks to its low fogging value is particularly recommended for automotive articles.

PERMASOL DT new helps dye penetration without effecting the colour shade.

PERMASOL DT new is does not contain formaldehyde, ammonia, solvents and/or AOX

SUGGESTED PERCENTAGES OF USE

In neutralization process	1-4%& on shaved weight
In fatliquoring process	1-3% on shaved weight
As dyeing penetrator	1-2% on shaved weight

STORAGE CONDITION:

PERMASOL DT new maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 1 del 02.02.2018

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MULGAN AU-3D

ANIONIC SURFACTANT OF UNIVERSAL USE

ANALYSIS

ACTIVE SUBSTANCE	24.0 – 28.0%
pH SOLUTION 1:10	7.0-8.0

PROPERTIES AND APPLICATIONS

MULGAN AU-3D is a semitransparent fluid easily soluble in water in all portion.

MULGAN AU-3D is a particular combination of emulsifying agents easily biodegradable able to disper and emulsify either leather naturals fats and fatliquors blend.

MULGAN AU-3D is an excellent emulsify agent of natural fats therefore can be used with good results on all working process from beamhouse till wet blue degrease.

MULGAN AU-3D can also be sued on automotive leathers in variable percentage without effecting fogging results.

SUGGESTED PERCENTAGES OF USE

In lime process	0.1 - 0.5% on fresh salted weight
In degreasing of bovine skins for automotive articles	0.4 – 0.8% on shaved weight
In degreasing of sheep and pig skins	2.0 – 4.0% in consideration of leather type

STORAGE CONDITION:

MULGAN AU-3D maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 1 del 22.09.2017

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International

ITALIAN LEATHER TECHNOLOGY

IDROL AU - 04

OXYETHYLATED VEGETABLE OILS FOR SOFT
AND AUTOMOTIVE ARTICLES

ANALYSIS

ACTIVE SUBSTANCE	44.0-49.0%
LIGHTFASTNESS	MEDIUM
CHROME STABILITY	GOOD
pH SOLUTION 1:10	6.3 - 7.3

PROPERTIES AND APPLICATIONS

IDROL AU - 04 is an amphoteric emulsion based on phospholipids, with the appearance of a yellow - brown paste.

IDROL AU - 04 thanks to its particular chemical composition, allows to manufacture low fogging leathers, therefore is suitable for automotive articles.

IDROL AU - 04 also has the characteristics to manufacture garment leathers and soft bovine leathers where a smooth silky touch and low specific weight and good feeling is required.

IDROL AU - 04 gives the leather a pleasant odour and produces a good emulsion in normal working conditions. The product is stable when mixed with other natural and synthetic sulphited and / or sulphonated oils. It is recommended to emulsify the product 1:3 with warm water ready for use; with sheep skins it can be added directly into the drum without emulsification.

SUGGESTED PERCENTAGES OF USE

On goat skins	4 - 6% on shaved weight together with other fatliquors
On bovine leathers	2 - 4% on shaved weight together with other fatliquors
On automotive leathers	3 - 6% blended with other fatliquors of our Automotive range

IDROL AU - 04 maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 0 del 22.09.2017

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IDROL AU - 95

FATLIQUOR BASED ON LECITHIN AT HIGH EFFICACY FOR SOFT AND AUTOMOTIVE ARTICLES

ANALYSIS

ACTIVE SUBSTANCE	88-92%
LIGHTFASTNESS	GOOD
pH SOLUTION 1:10	6.5-7.5

PROPERTIES AND APPLICATIONS

IDROL AU – 95 is a fatliquor with amphoteric character. It appears as of a dark brown liquid.

IDROL AU – 95 is based on particular high concentration chemical formulation with low value of fogging therefore it is a fatliquor suitable for automotive articles.

IDROL AU – 95 imparts to the leather fullness and roundness, lubricate the grain giving elasticity and silky handle. On suede and nubuck leathers enhance writing effect.

IDROL AU – 95 gives to leathers a pleasant odour and produces a good emulsion in normal working conditions. It is recommended to emulsify the product 1:3 with warm water before use.

SUGGESTED PERCENTAGES OF USE

On suede leathers	2 - 4% on shaved weight together with other fatliquors
On bovine leathers	2 - 4% on shaved weight together with other fatliquors
On Automotive leathers	2 – 6% on fatliquor blend

STORAGE CONDITION:

IDROL AU - 95 maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C Less than 5° C colour and viscosity can change without affecting application properties.

The information included in this file, experimentally tested, should be considered as an advisory instrument. The use of our products must be adapted to environmental conditions and materials to be treated.

Mod. L11 Ed. 0 del 09.05.07

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IDROSOL AU - 78W

DEODORISED SULPHITED FISH SUITABLE
FOR AUTOMOTIVE ARTICLES

ANALYSIS

ACTIVE SUBSTANCE	46.0 – 50.0%
ACID STABILITY	GOOD
LIGHTFASTNESS	GOOD
pH SOLUTION 1:10	6.5 – 7.5

PROPERTIES AND APPLICATIONS

IDROSOL AU – 78W is a brown clear oil very stable to acids.

IDROSOL AU – 78W thanks to its chemical composition and its low fogging value, finds its ideal use as main fatliquor for automotive articles.

IDROSOL AU – 78W gives to suede leather a soft, warm and silky feel, with bright dyeing.

IDROSOL AU – 78W can also be used for shoe upper and garment articles.

SUGGESTED PERCENTAGES OF USE

In retannage during fatliquoring process	2-4% on shaved weight
On Automotive leathers	10-14% on shaved weight as main fatliquor or 6-8% if blended with other fatliquors

STORAGE CONDITION:

IDROSOL AU - 78W maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 0 del 22.09.2017

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IDROSOL AU - 1747

SULPHITED FATLIQUOR FOR AUTOMOTIVE LEATHERS

ANALYSIS

ACTIVE SUBSTANCE	61.0 – 65.0%
LIGHTFASTNESS	GOOD
ACID STABILITY	GOOD
pH SOLUTION 1:10	6.0 - 7.0

PROPERTIES AND APPLICATIONS

IDROSOL AU – 1747 is a light brown colour liquid based on a combination of synthetic and natural oils.

IDROSOL AU – 1747 thanks to its chemical composition guarantee a low fogging value on leathers for automotive articles.

IDROSOL AU – 1747 enhances good softness and full leathers helping at the same time, penetration of other oils.

IDROSOL AU – 1747 is a fatliquor suitable to all kind of leathers but is finds its ideal application on chrome bovine for automotive, upholstery, industrial gloves splits and shoe upper nappa.

IDROSOL AU – 1747 can be used alone or in combination with other fatliquors in consideration of required articles.

SUGGESTED PERCENTAGES OF USE

As main fatliquor for automotive articles	8 - 12% on shaved weight in combination with other
In retannage process	1 - 2% on shaved weight
Fatliquor for upholstery articles	6 - 8% blended with other oils

IDROSOL AU - 1747 maintains its chemical properties for at least one (1) year if stored on its original packing at temperature between 5° C and 40° C. Less than 5° C colour and viscosity can change without affecting application properties.

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Mod. L11 Ed. 0 del 07.12.2017

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TANNERS CARRY ON WORKING WITH FGL INTERNATIONAL SUSTAINABLE PRODUCTS

IT DRIVES ME HAPPY!



FGL International S.p.A.

CASTELFRANCO DI SOTTO +39 0571 478851

ARZIGNANO +39 0444 674355

www.fglinternational.com

Certified Company

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