CHEMICAL SPECIALITIES FOR LEATHER INDUSTRY

RETANNING

POLYMER SYNTANS

- **ORGTAN E-40**: High Light fast Acrylic polymer suitable for all types of leather
- **ORGTAN GP**: Light Fast Polymer Retanning Agent
- **ORGTAN SMR**: Maleic Copolymer Syntan

SYNTHETIC TANNING AND RETANNING AGENTS

- **ORGTAN ATF**: Aluminium Tanning Agent
- **ORGTAN CS**: Chrome Syntan for pretanning and Retanning
- **ORGTAN CAS**: Chrome Aluminium Syntan
- **ORGTAN P**: Synthetic Pretanning Syntan for Vegetable Tanning
- **ORGTAN BS**: Bleaching Syntan for Vegetable Leather
- **ORGTAN F**: Protein based Filling Agent
- **ORGTAN FAP**: Natural protein with selective filler
- **ORGTAN AS**: Amphoteric Synthetic Tanning Agent For Strengthening of the fibres and Preventing Looseness
- **ORGTAN ID**: Synthetic Replacement Based on Sulphonic Naphthalene
- **ORGTAN PF**: Light Fast Replacement Syntan for Soft Leather
- **ORGTAN PS**: Phenolic replacement Tanning Agent
- **ORGTAN RI**: Replacement Syntan
- **ORGTAN SPS**: Phenolic replacement Syntan
- **ORGTAN SR**: Replacement syntan based on sulphone, for white leather
- **ORGTAN WP**: Light Fast White Syntan
- **ORGTAN WS**: High Light Fast Phenolic Syntan for White Leather and Heat Resistance
- **ORGTAN LFI**: High Tanning Content White Syntan Based on Sulphone

VEGETABLE TANNING AGENT

- **ORGTAN GS**: Vegetable Extract based on Modified Gambier Derivative, Giving Body, Mellowness, Tightness and Softness
- **ORGTAN MS**: Combination of vegetable tanning extract
- **ORGTAN SM**: Light Fast Natural and Synthetic Compact Tanning and Retanning agent. Minimize Double Layer Formation.

The above information has been given in good faith, without liability.
RESIN TANNING AGENT

ORGTAN FM : Resin in powder form to level fullness and through Tanning Effect
ORGTAN G-7 : Retanning based on DCDA resin
ORGTAN MN : Light fast Resin Tanning agent for Tightness, Buffability and to prevent Looseness
ORGTAN SMS : Resin in powder form for fullness and softness
ORGTAN MS-7 : Light fast resin for fullness, to avoid Looseness, Tight and Short Nap

LIQUID SPECIALITY SYNTHETIC TANNING AGENT

ORGTAN APL : Amphoteric synthetic tanning agent based on aromatic Sulphonic Acid condensation
ORGTAN ART : Re-tanning syntan in liquid form for all types of vegetable tanned leather
ORGTAN LF Liq : Replacement syntan in liquid form based on Dihydroxy-Diphenylsulphone
ORGTAN MLB : Specially formulated milling syntan for NDM, Upholstery and garment leathers
ORGTAN MNL : Resin tanning agent based on melamine and aliphatic nitrogen compounds. Recommended to improve fullness of the leather during retanning
ORGTAN PL : Pre-tanning syntan in liquid form for all types of vegetable tanned leather

RETANNING AND DYEING AUXILLARIES

ORGTAN LS : High Light Fast Leveling and Dispersing agent suitable for Pastel shades
ORGTAN ND : Neutralizing Syntan with acid-Balance, Basification and Complexing Effect
ORGYL DF : Formaldehyde Free Cationic Fixing Agent
ORGYL SA : Very Good water softening and iron binding agent. Gives clearer surface on vegetable tanned leathers also prevents and cures Stains
ORGYL FS : Very efficient penetrating agent for all fat liquors and resins compatible with the treatment of waterproof leathers

The above information has been given in good faith, with out liability
FATLIQUORS

ORG OIL AR : AOX Free Specialty fatliquor for Furniture, Garment and Upper leathers

ORG OIL CF : Compact, chrome stable, fat liquor for making any type of leather.

ORG OIL CFS : Cationic Fat liquor based on cationic ester of fatty amine

ORG OIL CG : Anionic Fat Liquor adapted for the production of White Leathers

ORG OIL KL : Cationic Fat liquor based on cationic ester of fatty amine

ORG OIL CS : Sulphited Vegetable oil based Fat liquor Stable to Hard water, Neutral Salts, acids and alkalies

ORG OIL ESL : Fully synthetic, Electrolyte stable Fat liquor Stable to Pickling, Tanning

ORG OIL FO : Sulphited fish oil substitute made from natural oils

ORG OIL GLL : Synthetic electro stable fatliquor with excellent dispersing in the pickling and tanning bath

ORG OIL HO : Fat liquoring emulsion for tight grain hydrophobic and Nubuck leathers.

ORG OIL LE : Lecithin based Fat liquor

ORG OIL POS : Phosphated fatliquor with the mixture of sulphonated fatty alcohol

ORG OIL VI : Raw oil with the blend of natural and synthetic oils

ORG OIL TO : Natural fat liquor based on white tallow

ORG OIL SWA : Anionic Fat Liquor adapted for the production of Soft Leathers

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POLYMER SYNTAN

The above information has been given in good faith, with out liability
ORGTAN E–40

Acrylic polymer retanning agent for very fine grain, excellent fullness and tightness, ideally suited for the production of softy and firm uppers and garment leathers.

Aspect : Off white free flowing viscous liquid
Basis : Anionic acrylic polymer
pH : In 10% aqueous solution, 3.0 – 4.0
Solid Content : 35 ± 1.0
Solubility : Good
Light fastness : Excellent
Stability : Stable at pH below 4.5 and stable to hard water

PROPERTIES

ORGTAN E-40 is a preferential filling syntan, especially suitable for getting tight, full, smooth upper leather.

ORGTAN E-40 imparts in leather fullness, grain smoothness and improves the thickness.

Due to its excellent light fastness ORGTAN E-40 is best suitable for white leathers and pastel shades.

ORGTAN E-40 is compatible with vegetable tanning materials and synthetic tanning agents.

ORGTAN E-40 is best suited for corrected grain uppers.

ORGTAN E-40 when used in retanning of chrome tanned leather; it improves the fullness and tightness of grain without causing formation of a coarser grain or impairing the other properties of the leather, as is often the result of the other acrylic polymers with vegetable and synthetic tannins.
APPLICATIONS

Retanning: ORGTAN E-40 has to be applied before neutralization.

Softy upper leather : 2 – 4 % ORGTAN E-40
Corrected grain uppers : 3 – 5 % ORGTAN E-40
Garment / upholstery leather : 2 - 3 % ORGTAN E-40

SHELF LIFE

ORGTAN E-40 has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGTAN GP

Acrylic polymer retanning agent very fine grain, excellent fullness and tightness, ideally suited for the production of softy, nappa and garment leathers

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Colourless clear viscous liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Anionic acrylic polymer</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.0 - 7.5</td>
</tr>
<tr>
<td>Solid Content</td>
<td>35 ± 1.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>Good</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Excellent</td>
</tr>
<tr>
<td>Stability</td>
<td>Stable at pH above 4.5</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN GP is especially suitable for filling loose fibres in upper leather.

ORGTAN GP imparts in leather fullness, grain smoothness and improves the thickness.

Due to its excellent light fastness ORGTAN GP is best suitable for white leathers and pastel shades.

ORGTAN GP is compatible with vegetable tanning materials and synthetic tanning agents.

ORGTAN GP is not compatible with mineral tanning agents.

ORGTAN GP when used in retanning of chrome tanned leather, it improves the fullness and tightness of grain without causing formation of a coarser grain or impairing the other properties of the leather as is often the result of the other filling syntan with vegetable and synthetic tannins

The above information has been given in good faith, with out liability
APPLICATIONS

Retanning: In retanning ORGTAN GP can be applied after neutralization in the same bath, before addition of other retanning agents. It can also be added before or after fat liquoring.

- Softy upper leather : 2 – 4 % ORGTAN GP
- Garment / upholstery leather : 2 - 3 % ORGTAN GP
- Sheep skin for crusting : 2 – 3 % ORGTAN GP

SHELF LIFE

ORGTAN GP has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
APEO & VOC Free  Maleic acrylic copolymer, which can be used for re-tanning for all type of leather where soft and mellow feels are required

**Aspect** : Pale yellow viscous liquid  
**Basis** : Maleic – acrylic copolymer  
**pH** : In 10% aqueous solution, 8.5 - 9.5  
**Solubility** : Good  
**Light fastness** : Excellent  
**Stability** : Stable at pH above 4.5

**PROPERTIES**

**ORGTAN SMR** maintain inner softness even after wet toggling and nailing, so it is best suitable for Upholstery leather

**ORGTAN SMR** is especially suitable for filling loose fibres in upper leather.

**ORGTAN SMR** imparts in leather fullness, grain smoothness and improves the thickness.

Due to its excellent light fastness **ORGTAN SMR** is best suitable for white leathers and pastel shades.

**ORGTAN SMR** is not compatible with mineral tanning agents.

**ORGTAN SMR** when used in retanning of chrome tanned leather, it improves the fullness and tightness of grain with elastic and bouncing properties.
APPLICATIONS

Retanning: In retanning ORGTAN SMR can be applied after neutralization in the same bath, before addition of other retanning agents. It can also be added before or after fat liquoring.

Softy upper leather : 2 – 4 % ORGTAN SMR

Garment / upholstery leather : 2 - 3 % ORGTAN SMR

Sheep skin : 2 – 3 % ORGTAN SMR

SHELF LIFE

ORGTAN SMR has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
SYNTHETIC TANNING AND RETANNING AGENTS
ORGTAN ATF

ORGTAN ATF is aluminium tanning agent for all types of leather

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>White powder</td>
</tr>
<tr>
<td>Basis</td>
<td>Aluminium triformate</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 3.0 – 4.0</td>
</tr>
<tr>
<td>Concentration</td>
<td>24 ± 1.0%</td>
</tr>
<tr>
<td>Stability</td>
<td>Stable below pH 4.5. Stable with mineral tanning agents. Limited compatibility with anionic tanning agents and Anionic dyes</td>
</tr>
<tr>
<td>Solubility</td>
<td>Readily soluble in hot / warm water.</td>
</tr>
</tbody>
</table>

**PROPERTIES**

ORGTAN ATF can be used for the production of white leathers.

ORGTAN ATF can be combined with chrome tanning.

The product can be added to the drum in powder form itself.

ORGTAN ATF gives good buffability, short nap on nubuck and suede.

ORGTAN ATF can be used for fixing anionic dyes and increasing the dyeing brilliancy.

ORGTAN ATF can be used for fixing water repellent and water proofing fat liquors.

The leather treated with ORGTAN ATF in combination with other chrome-tanning agents has flat, fine grain with very light colour.

The leather treated with ORGTAN ATF does not absorb water from the atmosphere like any other conventional aluminium tanning materials.

On ageing, the leathers treated with ORGTAN ATF, does not show any harmful substances.
APPLICATIONS

In Chrome free tanning / : 3.0 – 7.0% ORGTAN ATF, based on pelt weight.

In Chrome tanning : 1.0 – 3.0% ORGTAN ATF, before addition of Chrome Powder, based on pelt weight.

In Retanning : 1.0 – 3.0% ORGTAN ATF, based on wet blue shaved Weight

Fixing Water repellent /
Water proof fat liquor : 2.0 – 3.0% ORGTAN ATF, based on shaved weight.

To increase the depth /
Intensity / brilliancy
Of the dyeing : 0.3 – 1.0% ORGTAN ATF, based on shaved weight,
Depending on the depth / intensity / brilliancy required.

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years.
ORGTAN CS

ORGTAN CS is a chrome syntan complex powder

Aspect : Light green powder
Moisture content : 7% Max.
pH : In 10% aqueous solution, 3.0 – 4.5
Cr$_2$O$_3$ : 12.0 ± 1.0%

PROPERTIES

ORGTAN CS imparts smooth, fine and soft grain. Due to its low astringency, ORGTAN CS can be used for pretanning.

ORGTAN CS will be very beneficial to those who use wet blue stocks from different sources / batches. By using ORGTAN CS in rechroming, the wet blue leathers from various sources / batches are made uniform.

ORGTAN CS imparts very level and uniform dyeing in pastel shades. ORGTAN CS will also enhance dyeing.

ORGTAN CS can also be used for the production of white leathers.

APPLICATIONS

Pre-tanning : ORGTAN CS 1.0 – 2.0% based on pelt weight
Chrome tanning : ORGTAN CS 5.0% based on pelt weight
Basic Chrome Sulphate (BCS) 5.0% based on pelt weight
Re-chroming : ORGTAN CS 2.0 – 5.0% based on shaved weight

The above information has been given in good faith, with out liability
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN CAS

ORGTAN CAS is a chrome aluminium tri-formate complex syntan in powder form, used in chrome tanning and in mineral retanning process, which is generally not available in the market.

Aspect: Light Bluish Green powder
pH: In 10% aqueous solution, 3.0 – 4.0
Cr₂O₃: 10.0 ± 1.0%
Al₂O₃: 10.0 ± 1.0%

PROPERTIES

ORGTAN CAS when used in chrome tanning imparts smooth, fine and soft grain.

ORGTAN CAS has got full tanning properties and can be used for fringe level tannage of pickled skins as it gives rapid penetration of chrome and develops a fine grain. The tannage can be completed by normal chrome tanning using a conventional or self-basifying system.

ORGTAN CAS is used in retanning process to produce full and soft leather with tight fibres and fine grain, suitable to give good buffing effect, short nap on nubuck, suede and corrected grain leather.

ORGTAN CAS imparts enriched dyeing.

APPLICATIONS

Chrome tanning: After pickling

<table>
<thead>
<tr>
<th>ORGTAN CAS</th>
<th>4.0% based on pelt weight</th>
<th>1 hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Chrome Sulphate (BCS)</td>
<td>4.0% based on pelt weight</td>
<td>1 hr</td>
</tr>
<tr>
<td>Orgcide TC-30</td>
<td>0.05%</td>
<td>1 hr</td>
</tr>
<tr>
<td>ORGFIX CR</td>
<td>0.4%</td>
<td>7 hrs</td>
</tr>
</tbody>
</table>

Final pH: 3.8 – 4.0

The above information has been given in good faith, with out liability.
Re-chroming: Water 100%

**ORGTRAN CAS** 5% based on shaved weight 45 min

Semi Chroming: **ORGTRAN CAS** can be used up to 15% on EI shaved weight along with 5% Basic Chrome Sulphate (BCS).

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN P

Designed for the pretanning of all types of vegetable tanned leather.

**Aspect**  :  Off white powder  
**Moisture content**  :  6.0 % Max  
**pH**  :  In 10% aqueous solution, 3.0 – 4.0  
**Light fastness**  :  Medium

**PROPERTIES**

**ORGTAN P** is a powdered syntan with the property of conditioning pelts to facilitate the subsequent vegetable tannage. It has a strong dispersing effect of vegetable extracts, which will then penetrate rapidly through the pelt.

**ORGTAN P** is non-astringent and is readily soluble. So, it may be added directly to delimed pelt through the drum. The conditioning effect of **ORGTAN P** neutralizes the residual lime in the pelt and its buffering capacity allows the subsequent vegetable to penetrate more uniformly.

**ORGTAN P** gives a strong pretanning effect allowing subsequent vegetable tannage by the classical process as well as by rapid process.

In addition **ORGTAN P** reduces the possibility of copper and iron stains in subsequent vegetable tanning.

**APPLICATIONS**

Rapid Vegetable Tannage: (% Based on limed pelt) Drum Speed 4 – 8 rpm
Washing 400 % Water

Deliming 150% Water
1% **ORGTAN P** Run for 90’

The above information has been given in good faith, with out liability.
Add Sulphuric acid to obtain pH 6.0 – 6.5

Drain

Pre-tanning

50 % Water

2 % Sodium chloride Run for 10’

2 % ORGTAN P Run for 60’

0.5 % Formic acid Run for 60’

Adjust pH of Float to 4.0-1.3 & pH of pelt 1.0-4.5

Drain

Leave pelts in the drum overnight, next day morning run for 1 hr

Vegetable Tanning

0.50 % Orgoil GNM

10.00 % Mimosa

0.15 % Orgcide TC-30 Run for 30’

10.00 % Chestnut extract Run for 30’

10.00 % Orgtan MP Run for 60’

10.00 % Chestnut extract Run for 180’

Drum until penetration is completed. Then wash with short float of cold water and 0.5 % of Oxalic acid. Then pile up for 2 days for fixation.

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN BS

ORGTAN BS is a bleaching syntan for all types of vegetable tanned leathers.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>Light brown powder</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0% Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 1.0 – 2.0</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Medium</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN BS has got high fixation power against vegetable extracts due to its acidity.

ORGTAN BS has self-tanning action which, decreases oxidation and avoids darkening on vegetable tanning extracts.

ORGTAN BS avoids black iron salt staining effect.

APPLICATIONS

ORGTAN BS can be offered at the end of the main vegetable tanning process, during the retanning process or during the bleaching process.

2 – 4% of ORGTAN BS can be used.

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
**ORGTAN F**

**ORGTAN F** is Protein filler required to solve the problem of looseness and tightness on any kind of leather.

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>Off white powder</td>
</tr>
<tr>
<td>Basis</td>
<td>Selective active proteins</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0 % Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 5.5 – 7.5</td>
</tr>
<tr>
<td>Solubility</td>
<td>Easily dispersible in Luke warm water</td>
</tr>
</tbody>
</table>

**PROPERTIES**

**ORGTAN F** gives fullness to leather and uniform thickness. Tightness of fibres is improves and hence it imparts short nap on suede and nubuck.

**ORGTAN F** does not bleach the shades as it has got its own receptivity to dyes.

**ORGTAN F** helps to solve looseness and fullness in sheep skins and all types of splits.

**ORGTAN F** is environment friendly.

**APPLICATIONS**

**ORGTAN F** is used in retanning and it is offered in powder form after dyes, in short float 5 to 10 minutes before fat liquor.

**ORGTAN F** acts on chrome tanned leather and vegetable tanned leather as well.

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The above information has been given in good faith, with out liability.
% based on wet blue shaved weight

- Garment sheep skins: 3.0 – 6.0 % **ORGTAN F**
- Thin Upper leather: 3.0 – 5.0 % **ORGTAN F**
- Thick Upper leather: 2.0 – 4.0 % **ORGTAN F**
- Splits: 4.0 – 8.0 % **ORGTAN F**
- Suede leathers: 3.0 – 5.0 % **ORGTAN F**

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN FAP

ORGTAN FAP is Protein filler with selective filling agent to give excellent filling in the loose structured area of any kind of leather.

Aspect : Light yellow powder
Basis : Natural protein with selective filler
Moisture content : 6.0 % Max.
pH : In 10% aqueous solution, 5.5 – 7.5
Solubility : Easily dispersible in Luke warm water

PROPERTIES

ORGTAN FAP is deposited in the empty parts of the skin, and between grain and the reticular layer.

ORGTAN FAP can be added to the chrome tannage, Chrome free tannage or retannage to get the following:-

- Full, Round handle
- Reduced number of growth mark and improved the selection
- Smooth, fine and firm grain
- Better cutting value

ORGTAN FAP when used in retanning the tightness of fibres is improves and hence it imparts short nap on suede and nubuck.

ORGTAN FAP does not bleach the shades as it has got its own receptivity to dyes.

ORGTAN FAP is environment friendly.
APPLICATIONS

ORGTAN FAP is used in retanning and it is offered in powder form after dyes, in short float 5 to 10 minutes before fat liquor to get full, round and tight grain.

1) During retanning:

% based on wet blue shaved weight

<table>
<thead>
<tr>
<th>Material</th>
<th>ORGTAN FAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garment sheep skins</td>
<td>3.0 – 6.0 %</td>
</tr>
<tr>
<td>Thin Upper leather</td>
<td>3.0 – 5.0 %</td>
</tr>
<tr>
<td>Thick Upper leather</td>
<td>2.0 – 4.0 %</td>
</tr>
<tr>
<td>Splits</td>
<td>4.0 – 8.0 %</td>
</tr>
<tr>
<td>Suede leathers</td>
<td>3.0 – 5.0 %</td>
</tr>
</tbody>
</table>

2) During Chrome tanning:

% based on pelt weight

- for cow hide            : 1.0 – 1.5%
- for sheep and goat skins: 1.0 – 2.0%

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN AS

Amphoteric synthetic tanning agent based on aromatic Sulphonic acid condensation. Recommended to improve fullness of the leather during re-tanning. Improves the ability of dyestuff.

Aspect : White colour powder
Basis : Aromatic Sulphonic acid condensates.
Moisture content : 6.0% Max
pH : In 10% aqueous solution, 3.3 – 3.7
Solubility : Excellent
Light fastness : Excellent

PROPERTIES:

ORGTAN AS has got all the properties of a full replacement syntan. Its amphoteric characteristic allows an early application before or during neutralization and thus the early strengthening of the fibres immediately prevents any further looseness of the leather.

ORGTAN AS can be favorably combined with other syntans, vegetable tanning and acrylic resin as well.

ORGTAN AS has got good filling and dispersing effects. It is very well adapted to the re-tanning process of the wet blue leather.

The leather retanned with ORGTAN AS has good light fastness and imparts a brilliant and clear shade.

APPLICATIONS:

ORGTAN AS can be used during rechroming, neutralization and retanning. However the most suitable stage is during neutralization.

The above information has been given in good faith, with out liability
<table>
<thead>
<tr>
<th>Process</th>
<th>Percentage</th>
<th>ORGTAN AS</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Rechroming</td>
<td>2 – 3 %</td>
<td>ORGTAN AS</td>
</tr>
<tr>
<td>In Neutralization</td>
<td>2 – 3 %</td>
<td>ORGTAN AS</td>
</tr>
<tr>
<td>In Retanning</td>
<td>2 – 5 %</td>
<td>ORGTAN AS</td>
</tr>
</tbody>
</table>

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN ID

Synthetic replacement syntan based on Sulphone naphthalene, for white leather

Aspect : White powder
Basis : Based on Sulphone Naphthalene condensate
Moisture content : 6.0 % Max.
pH : In 10% aqueous solution, 3.0 – 4.0
Solubility : Excellent
Light fastness : Excellent

PROPERTIES

ORGTAN ID improves the tightness, fullness and smoothness and gives high level of suppleness.

ORGTAN ID has strong whitening effect and very much suitable for white leathers

Due to its good dispersing power, ORGTAN ID drives other syntans in the bath deeply into the cross section of the leather, which results in full uptake, and the exhaustion is clear.

ORGTAN ID is best used along with ORGTAN MS-7, which will give better results.

ORGTAN ID can be used for in vegetable tannage.

ORGTAN ID in combination with vegetable extracts increases the rate of penetration with a clear colour and elastic grain.

ORGTAN ID can be used in all types of skins: light, heavy and reptile skins.

APPLICATIONS

ORGTAN ID can be used in all stages for the production any articles (e.g., uppers, garment, lining etc)

The above information has been given in good faith, with out liability
Upper Leathers : 3.0 – 8.0 %
Aniline and pastel coloured Leathers : 4.0 – 8.0 %
Garment leathers : 2.0 – 4.0 %
Light leathers : 2.0 - 6.0 %
Vegetable tannage : As required

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN PF

Phenolic replacement tanning agent for leather. Recommended to improve fullness of the leather during re-tanning.

Aspect : Cream Colour powder
Basis : Phenol naphthalene condensate
Moisture content : 6.0% Max.
pH : In 10% aqueous solution 3.0 – 4.0
Solubility : Good
Light fastness : Good

PROPERTIES

ORGTAN PF enhances fullness to the leather. ORGTAN PF can be used alone or in combination with vegetable and synthetic tanning agents for the retanning of chrome leather.

ORGTAN PF produces resilient leather with dense fibre structure. It also imparts a pale good light fastness with uniform grain appearance.

ORGTAN PF used in the vegetable tannage, improves the rate of penetration and lightens the colour of the resultant leather with improved tensile strength.

ORGTAN PF imparts good fibre and grain regaining in vegetable tanned leather. ORGTAN PF dissolves easily. It is not sensitive to salts.

APPLICATIONS

ORGTAN PF can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

Upper : 3.0 – 8.0 %
Garment : 2.0 – 4.0 %
Light leathers : 2.0 – 6.0 %
Sheep skins : 3.0 – 7.0 %
SHELF LIFE

**ORGTAN PF** has a shelf life of two years if it is stored in its original sealed package. Bags should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGTAN PS

Phenolic replacement tanning agent for leather.

Aspect : Beige Colour powder
Basis : Phenol naphthalene condensate
Moisture content : 6.0% Max.
pH : In 10% aqueous solution, 3.0 – 4.0
Solubility : Good
Light fastness : Good

PROPERTIES

ORGTAN PS enhances fullness to the leather. ORGTAN PS can be used alone or in combination with vegetable and synthetic tanning agents for the retanning of chrome leather.

ORGTAN PS produces resilient leather with dense fibre structure. It also imparts a pale good light fastness with uniform grain appearance.

ORGTAN PS used in the vegetable tannage, improves the rate of penetration and lightens the colour of the resultant leather with improved tensile strength.

ORGTAN PS imparts good fibre and grain regaining in vegetable tanned leather.

ORGTAN PS dissolves easily and thus no sludge formation is found. It is not sensitive to salts.
APPLICATIONS

**ORGTAN PS** can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

<table>
<thead>
<tr>
<th>Material</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3.0 – 8.0 %</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0 %</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0 %</td>
</tr>
<tr>
<td>Sheepskins</td>
<td>3.0 – 7.0 %</td>
</tr>
</tbody>
</table>

SHELF LIFE

**ORGTAN PS** has a shelf life of two years if it is stored in its original sealed package. Bags should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGTAN SPS

Phenol based replacement syntan giving fullness and soft handle to the leather

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Off white powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Phenol condensates</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0 % Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 3.0 – 4.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>Good</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Good</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN SPS has good mellow tanning properties and is effective in dispersing of other tanning materials used in retanning.

ORGTAN SPS imparts good fullness and a fine grain texture with soft handle when used in the retanning.

ORGTAN SPS has no bleaching property on the chrome tanned leather, thus can be used for dyed leathers with good light fastness.

ORGTAN SPS acts well in the looser portions like shanks and give a full and flat grain to the skin.

APPLICATIONS
% based on the shaved weight

- Hides for shoe upper : 3.0 – 5.0%
- Hides for garment     : 2.0 – 3.0%
- Sheep for garment     : 5.0 – 8.0%
- Goat for shoe upper   : 4.0 – 6.0%
- Goat for suede        : 4.0 – 6.0%

The above information has been given in good faith, with out liability
SHELF LIFE

**ORGTAN SPS** has a shelf life of two years if it is stored in its original sealed package. Bags should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGTAN SR

Replacement syntan based on sulphone, for white leather

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>White powder</td>
</tr>
<tr>
<td>Basis</td>
<td>Based on Sulphone</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6 % Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 3.0 – 4.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>Excellent</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**PROPERTIES**

**ORGTAN SR** can be used mainly in the production of white and light fast leather.

**ORGTAN SR** gives fuller leather with fine and smooth grain and the colour.

**ORGTAN SR** has got very good self tanning power. It is highly recommended for the production of Chrome free leathers and wet white tanning.

The leathers treated with **ORGTAN SR** exhibits excellent light fastness.

**ORGTAN SR** improves the tightness, fullness and smoothness and gives high level of suppleness.

**ORGTAN SR** in combination of vegetable extracts improves penetration of tanning with a clear colour and elastic grain and it dissolves easily and thus no sludge formation is found.

**ORGTAN SR** has a good dispersing effect on the tanning bath.

**ORGTAN SR** increases the buffing property.

The above information has been given in good faith, without liability.
ORGTAN SR can be used for vegetable tannage.

APPLICATIONS

ORGTAN SR can be used in all stages for the production any articles (e.g., uppers, garment, lining etc)

<table>
<thead>
<tr>
<th>Material</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>2.0 – 8.0 %</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0%</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0 %</td>
</tr>
<tr>
<td>Sheepskins</td>
<td>2.0 – 6.0 %</td>
</tr>
<tr>
<td>Chrome free leather</td>
<td>8.0 – 12.0 %</td>
</tr>
<tr>
<td>Vegetable tannage</td>
<td>As required</td>
</tr>
</tbody>
</table>

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
**ORGTAN WP**

Phenolic tanning agent, which imparts excellent light fastness to leather.

**Aspect** : White powder  
**Basis** : Phenolic condensation product  
**Moisture content** : 6.0 % Max.  
**pH** : In 10% aqueous solution, 3.0 – 4.0  
**Solubility** : Excellent  
**Light fastness** : Good

**PROPERTIES**

**ORGTAN WP** used in pretanning of sheepskins before chrome tanning improves grain properties, filling and tightness effect.

**ORGTAN WP** used alone in the tanning gives a white leather, which will be easy to dye, with a good fullness and a smooth handle.

**ORGTAN WP** can be used in all types of skins: light, heavy and reptile skins.

**ORGTAN WP** in combination with vegetable extracts increases the rate of penetration with a clear colour and elastic grain.

**ORGTAN WP** used alone in retanning of chrome-tanned leather gives a pale colour with good fullness and smooth handle with excellent light fastness.

The above information has been given in good faith, with out liability
APPLICATIONS

ORGTAN WP can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

<table>
<thead>
<tr>
<th>Material</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3.0 – 8.0 %</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0 %</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0 %</td>
</tr>
<tr>
<td>Sheep skins</td>
<td>3.0 – 7.0 %</td>
</tr>
</tbody>
</table>

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN WS

Phenol condensation product, which imparts excellent light fastness to leather.

<table>
<thead>
<tr>
<th>Aspect</th>
<th>White powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Phenol condensation product</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0 % Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 3.0 – 4.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>Excellent</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Good</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN WS gives fuller leather with fine and smooth grain and the colour will be very clear. ORGTAN WS can be used mainly in the production of white and light fast leather.

ORGTAN WS has got very good self tanning power hence, it can be highly recommended in the production of Chrome free or wet white tanning.

ORGTAN WS enhances excellent light fastness to the leather with more uniform dyeing of pastel colour. ORGTAN WS is inert to salts and can be used in all the stages in all types of leather.

ORGTAN WS in combination of vegetable extracts improves penetration of tanning with a clear colour and elastic grain and it dissolves easily and thus no sludge formation is found. ORGTAN WS has a good dispersing effect on the tanning bath. ORGTAN WS increases the buffing property.

APPLICATIONS

ORGTAN WS can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3.0 – 8.0 %</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0 %</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0 %</td>
</tr>
<tr>
<td>Sheepskins</td>
<td>3.0 – 7.0 %</td>
</tr>
<tr>
<td>Chrome free leather</td>
<td>8.0 – 12.0 %</td>
</tr>
</tbody>
</table>
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN LFI

Replacement syntan based on Dihydroxi-diphenyl-sulphone

Aspect : White to cream coloured powder
Basis : Condensate of Dihydroxi-diphenyl-sulphone
Moisture content : 6.0% Max.
pH : In 10% aqueous solution, 3.0 – 4.0
Solubility : Readily soluble in hot water
Light Fastness : Excellent

PROPERTIES

Due to its high degree of light fastness, ORGTAN LFI is especially suitable for the production white leathers including tanning.

Due to its flame retardant characteristics, ORGTAN LFI can be specially used for manufacture of automobile and aircraft upholstery leathers.

ORGTAN LFI can be used for bleaching chrome and vegetable tanned leather.

ORGTAN LFI gives fine and uniform milling for natural milled leathers.

ORGTAN LFI imparts full, fine and smooth grain when applied in retanning.

APPLICATIONS

In Chrome free tanning : 15.0 – 20.0 % ORGTAN LFI, based on pelt weight.
In Retanning for White leathers : 6.0 – 12.0% ORGTAN LFI, based on shaved weight.
In Retanning of regular process : 2.0 – 4.0% ORGTAN LFI, based on shaved weight.

The above information has been given in good faith, with out liability
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
VEGETABLE TANNING AGENT
ORGTAN GS

ORGTAN GS is vegetable extract, based on Gambier derivatives

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Light brown powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content</td>
<td>6.0% Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 3.5 – 5.5</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Medium</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN GS is a powdered vegetable extract, based on modified Gambier derivatives, sulphited and spray dried to micron size.

ORGTAN GS is non-astringent and is readily soluble. It gives leather with excellent tightness and softness.

Compared to other catechol extract, ORGTAN GS will not give poor adhesion or loose grain. ORGTAN GS, on the contrary, gives excellent retanning properties such as body and mellowness without affecting the grain.

ORGTAN GS being a soft extract, it can be used a wide range of pH. Other advantage in using ORGTAN GS is that, it can be added without strong neutralization of the wet blue.

APPLICATIONS

The main advantage is ORGTAN GS can be used in the production of softy leather that needs a fast, economical and compact process.

ORGTAN GS is recommended for the production of articles like lining, upholstery and softy upper, upholstery leather and lining leather.
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an infinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN MS

ORGTAN IVC is based on combination of vegetable tannin extracts

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Brown Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Combination of veg. tannin extract</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0% Max</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 4.0 – 5.0</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN IVC has been specially formulated to get very supple retannage with fine and fullness.

ORGTAN IVC has a weak astringency allowing quick through penetration, results very good filling in the shanks and belly part of the leather.

ORGTAN IVC can be used along with retanning syntans to get the characteristics of vegetable leather with supple retanning keeping a fine and tight grain.

ORGTAN IVC used to get tightness and fullness when applied in chrome tanned leather (Wet blue).

ORGTAN IVC Shows a very high filling power with improvements of breaks.

APPLICATIONS

<table>
<thead>
<tr>
<th>Veg. tanning of Sheep skin</th>
<th>10 – 15 % Quebracho (Based on pelt weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 – 15 % ORGTAN IVC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dry milled Cow leather</th>
<th>2 – 5 % ORGTAN IVC (Based on shaved weight)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Vegetable retanning leather</th>
<th>4 – 6 % ORGTAN IVC (Based on shaved weight)</th>
</tr>
</thead>
</table>

The above information has been given in good faith, with out liability
SHELF LIFE

ORGTAN IVC has a shelf life of two years if it is stored in its original sealed package. Bags should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.

The above information has been given in good faith, without liability
ORGTAN SM

ORGTAN SM is a light fast natural and synthetic compact for tanning and retanning.

Aspect : Yellow Brown powder
Basis : Natural and synthetic compound
Moisture content : 6.0% Max.
pH : In 10% aqueous solution, 3.0 – 4.0
Light fastness : Good

PROPERTIES

ORGTAN SM is perfect for the tanning of chrome free leather, giving very soft and full leathers suitable for automobile upholstery.

ORGTAN SM is best used in combination with Orgtan GCT for tanning of a 100% metal free process for very soft leather, already pretanned with ORGTAN DPP.

Due to its high filling effect and astringency, ORGTAN SM is a must to reduce the formation of “double layer” in materials such as New Zealand sheepskins.

ORGTAN SM can also be used in retanning to give very soft and full leather.

When applied on chrome-tanned leather (wet blue), ORGTAN SM shows a very high filling power and improvement of the break.

APPLICATIONS

(% based on shaved weight)

Automotive chrome free leather : 7.0 – 12.0 % ORGTAN SM
Dry milled cow leather : 2.0 – 6.0 % ORGTAN SM

The above information has been given in good faith, without liability.
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an infinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN FM

ORGTAN FM is an anionic resin tanning agent with high selective filling, fullness and levelling effect required for retanning and dyeing process of any type of leather.

Aspect : Light brown powder  
Moisture content : 6.0% Max.  
\( \text{pH} \) : In 10% aqueous solution, 6.5 – 7.5  
Light fastness : Very Good

PROPERTIES

ORGTAN FM is recommended in retanning process to fill the loose parts of hides and skins and to level the thickness and fullness of the leather.

ORGTAN FM can be used in combination with syntans and vegetable tanning agents and gives good results when combined with ORGTAN CP and ORGTAN ID.

When ORGTAN FM is used, the buffing effect and print retention will be excellent.

ORGTAN FM will give soft and mild leather, even if used in large quantity.

ORGTAN FM has dispersing effect on anionic retanning agents and anionic dyes, which allows through and through dyeing and retanning.

APPLICATIONS

ORGTAN FM is added after neutralization, at the beginning of retanning and before dyeing.  
(\% based on retanning process)  
Sheep and lamb skins : 2.0 – 4.0 \% ORGTAN FM  
Goat skins : 1.0 – 2.0 \% ORGTAN FM  
Calves : 2.0 – 4.0 \% ORGTAN FM  
Hides : 1.0 – 3.0 \% ORGTAN FM

The above information has been given in good faith, with out liability
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
**ORGTAN G-7**

Anionic amino resin tanning agent based on DCDA for the retannage of chrome leather

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>Light brown coloured powder</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0% Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 7.0 ± 0.5</td>
</tr>
<tr>
<td>Solubility</td>
<td>Good</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Good</td>
</tr>
</tbody>
</table>

**PROPERTIES**

**ORGTAN G-7** has got good filling action particularly in less closely structured parts of the skin. Thus improves the fullness.

**ORGTAN G-7** will tighten the grain and improves the feel of the leather.

**ORGTAN G-7** imparts good dye leveling effect thus no problem in dyeing of pastel shades.

**ORGTAN G-7** Due to less astringency it will not disturb the grain, hence the resultant leather will be flat with fine grain.

**ORGTAN G-7** imparts good surface for buffing and embossing.

**APPLICATIONS**

**ORGTAN G-7** can be used up to 5.0 % for all types of leather to get tight grain and to improve the fullness of loosely structured parts of the leather.
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has an indefinite shelf life. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN MN

Resin tanning agent based on melamine and aliphatic nitrogen compounds. Recommended to improve fullness of the leather during re-tanning

Aspect : Off white Powder
Basis : Melamine and aliphatic nitrogen compounds.
Moisture content : 6.0% Max.
pH : In 10% aqueous solution, 5.5 – 7.0
Solubility : Good
Light fastness : Excellent

PROPERTIES

ORGTAN MN enhances fullness to the leather particularly in the loose area and imparts tight and smooth grain with a soft handle.

ORGTAN MN improves the buffing property of the leather.

ORGTAN MN has a dispersing effect with other tanning agents and anionic dyestuffs, which improves through tanning and more uniform dyeing effect.

ORGTAN MN is stable in all tanning bath e.g. chrome bath.

ORGTAN MN gives deep and permanent embossing effect.

ORGTAN MN can be used in the production of natural milled leather in order to get uniform milled grain.
APPLICATIONS

**ORGTAN MN** can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3.0 – 8.0%</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0%</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0%</td>
</tr>
<tr>
<td>Sheep skins</td>
<td>3.0 – 7.0%</td>
</tr>
</tbody>
</table>

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN SMS

Resin-tanning agent based on melamine and aliphatic nitrogen compounds. Recommended to improve fullness of the leather during re-tanning.

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Off white Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Melamine and aliphatic nitrogen compounds.</td>
</tr>
<tr>
<td>Moisture content</td>
<td>6.0% Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.5 – 8.5</td>
</tr>
<tr>
<td>Solubility</td>
<td>Good</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGTAN SMS is a soft resin in powder form recommended to obtain fullness and evenness of round filling during retanning process of chrome tanned leather.

ORGTAN SMS has a good penetration effect and gives an excellent fullness especially in the loose part of the skin.

ORGTAN SMS has very good buffability and does not bleach the colour. So, it is very much suitable for the production of Suede and Nubuck leather.

APPLICATIONS

ORGTAN SMS can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

Upper       : 3.0 to 8.0 %
Garment     : 2.0 to 4.0 %
Light leathers : 2.0 to 6.0 %
Sheep skins : 3.0 to 7.0 %
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN MS 7

Special Resin-tanning agent based on melamine and aliphatic nitrogen compounds. Recommended to improve fullness of the leather during re-tanning.

Aspect : White Powder
Basis : Melamine and aliphatic nitrogen compounds.
Moisture content : 6.0% Max.
pH : In 10% aqueous solution, 7.0 ± 0.5
Solubility : Good
Light fastness : Excellent

PROPERTIES

ORGTAN MS 7 is a soft resin in powder form recommended to obtain mellowness and even round filling during retanning process of chrome-tanned leather.

ORGTAN MS 7 has got good penetration effect and gives an excellent fullness especially in the loose part of the skin.

ORGTAN MS 7 has got very good buffability and does not bleach the colour. So, it is very much suitable for the production of Suede and Nubuck leather.

APPLICATIONS

ORGTAN MS 7 can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

Upper : 3.0 – 8.0 %
Garment : 2.0 – 4.0 %
Light leathers : 2.0 – 6.0 %
Sheep skins : 3.0 – 7.0 %

The above information has been given in good faith, with out liability
SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
LIQUID SPECIALITY
SYNTHETIC TANNING AGENT

The above information has been given in good faith, without liability.
**ORGTAN APL**

**Amphoteric synthetic tanning agent** in liquid form based on aromatic Sulphonic acid condensation. Recommended to improve fullness of the leather during re-tanning also improves the ability of dyestuff

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aspect</strong></td>
<td>Golden yellow liquid</td>
</tr>
<tr>
<td><strong>Basis</strong></td>
<td>Aromatic Sulphonic acid condensates.</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>50% Approx.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>In 10% aqueous solution, 3.3 – 3.7</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Excellent</td>
</tr>
<tr>
<td><strong>Light fastness</strong></td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**Note**: Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding into drums where the automation methods are adopted.

**PROPERTIES:**

**Orgtan APL** has got all the properties of a full replacement syntan. Its amphoteric characteristic allows an early application before or during neutralization and thus the early strengthening of the fibres immediately prevents any further looseness of the leather.

**Orgtan APL** can be favorably combined with other syntans, vegetable tanning and acrylic resin as well.

**Orgtan APL** has got good filling and dispersing effects. It is very well adapted to the re-tanning process of the wet blue leather.

The above information has been given in good faith, with out liability.
The leather retanned with Orgtan APL has good light fastness and imparts a brilliant and clear shade.

**APPLICATIONS:**

Orgtan APL can be used during rechroming, neutralization and retanning. However the most suitable stage is during neutralization.

<table>
<thead>
<tr>
<th>Stage</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Rechroming</td>
<td>2.0 – 5.0 % Orgtan APL</td>
</tr>
<tr>
<td>In Neutralization</td>
<td>2.0 – 5.0 % Orgtan APL</td>
</tr>
<tr>
<td>In Retanning</td>
<td>2.0 – 5.0 % Orgtan APL</td>
</tr>
</tbody>
</table>

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use.
ORGTAN ART

Re-tanning syntan in liquid form for all types of vegetable tanned leather

**Aspect** : Light brown viscous liquid
**Basis** : Phenol condensation product
**Concentration** : 52% Approx.
**pH** : In 10% aqueous solution, 3.0 – 4.0
**Light fastness** : Good

**Note** : Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding into drums where the automation methods are adopted.

**PROPERTIES**

**ORGTAN ART** is a viscous liquid syntan, with high tanning power, specially formulated for re-tanning of vegetable tanned leather, especially terracotta leathers.

**ORGTAN ART** gives fine grain leather with excellent fullness.

**ORGTAN ART** imparts mellow feel to the leather.

Due to its good light fastness properties **ORGTAN ART** imparts a pale, pleasant colour for the vegetable tanned leathers, EI leathers and Terracotta leathers.

**ORGTAN ART** can be used for the production of upper leathers, nappa leathers, suede leathers for footwear, garment, leather goods and upholstery leathers, as well.

The above information has been given in good faith, with out liability
APPLICATIONS

Terracotta Leathers  : 3.0 – 4.0% ORGTAN ART based on pelt weight

(% based on shaved weight)

Upper leathers  : 4.0 – 6.0% ORGTAN ART

Softy uppers  : 4.0 – 5.0% ORGTAN ART

Garment Leathers  : 3.0 – 5.0% ORGTAN ART

Leather Goods  : 4.0 – 6.0% ORGTAN ART

Upholstery Leathers  : 3.0 – 5.0% ORGTAN ART

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use.
**ORGTAN LF Liq**

Replacement syntan in liquid form based on Dihydroxi-diphenyl-sulphone

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aspect</strong></td>
<td>Colourless to pale yellow liquid</td>
</tr>
<tr>
<td><strong>Basis</strong></td>
<td>Condensate of Dihydroxi-diphenyl-sulphone</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>40% Approx.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>In 10% aqueous solution, 3.5 – 4.5</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Readily soluble in hot water</td>
</tr>
<tr>
<td><strong>Light Fastness</strong></td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**Note**: Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding in to drums where the automation methods are adopted.

**PROPERTIES**

Due to its high degree of light fastness, **ORGTAN LF Liq** is especially suitable for the production white leathers including tanning.

Due to its flame retardant characteristics, **ORGTAN LF Liq** can be specially used for manufacture of automobile and aircraft upholstery leathers.

**ORGTAN LF Liq** can be used for bleaching chrome and vegetable tanned leather.

**ORGTAN LF Liq** gives fine and uniform milling for natural milled leathers.

**ORGTAN LF Liq** imparts full, fine and smooth grain when applied in retanning.

The above information has been given in good faith, with out liability.
APPLICATIONS

In Chrome free tanning: 15.0 – 25.0 % ORGTAN LF Liq, based on pelt weight

In Retanning for White leathers: 6.0 – 12.0 % ORGTAN LF Liq, based on shaved weight

In Retanning of regular process: 2.0 – 4.0% ORGTAN LF Liq, based on shaved weight

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use.
**ORGTAN MLB**

Specially designed liquid syntan recommended for all types of milled leather

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aspect</strong></td>
<td>Reddish brown viscous liquid</td>
</tr>
<tr>
<td><strong>Basis</strong></td>
<td>Aromatic Sulphonic acid and sulphone condensate</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>35% Approx.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>In 10% aqueous solution, 3.0 – 4.0</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Readily soluble in hot water</td>
</tr>
<tr>
<td><strong>Light Fastness</strong></td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**Note**: Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding in to drums where the automation methods are adopted.

**PROPERTIES**

Leather retanned with **ORGTAN MLB** will have a fine grain with even milling. They can be easily dyed with high leveling and intense shade with good light fastness.

Grain firmness, handle, softness can be regulated by using **ORGTAN MLB** in combination with other retanning agent.

**Also suitable for good filling in the manufacture of New Zealand sheep skin garments**

**ORGTAN MLB** can be specially used for the manufacture of natural dry milled leathers, automobile and upholstery leathers.

**ORGTAN MLB** gives fine and uniform milling for natural milled leathers.

**ORGTAN MLB** imparts full, fine and smooth grain when applied in retanning.

The above information has been given in good faith, with out liability
APPLICATIONS

In Retanning for Natural Milled leather : 8.0 – 12.0 % ORGTAN MLB, based on Shaved weight
In Retanning for Upholstery & Automobile : 6.0 – 12.0 % ORGTAN MLB, based on shaved weight

In Retanning of Regular process : 2.0 – 4.0% ORGTAN MLB, based on shaved weight

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use
ORGTAN MNL

Resin tanning agent based on melamine and aliphatic nitrogen compounds. Recommended to improve fullness of the leather during re-tanning

Aspect : Colourless to pale yellow liquid
Basis : Melamine and aliphatic nitrogen compounds.
Concentration : 63% Approx.
pH : In 10% aqueous solution, 5.5 – 7.0
Solubility : Good
Light fastness : Excellent

Note : Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding into drums where the automation methods are adopted.

PROPERTIES

ORGTAN MNL enhances fullness to the leather particularly in the loose area and imparts tight and smooth grain with a soft handle.

ORGTAN MNL improves the buffing property of the leather.

ORGTAN MNL has a dispersing effect with other tanning agents and anionic dyestuffs, which improves through tanning and more uniform dyeing effect.

ORGTAN MNL is stable in all tanning bath e.g. chrome bath.

ORGTAN MNL gives deep and permanent embossing effect.

ORGTAN MNL can be used in the production of natural milled leather in order to get uniform milled grain.

The above information has been given in good faith, with out liability
**APPLICATIONS**

*ORGTAN MNL* can be used in all stages for the production of any articles (e.g., uppers, garment, lining etc)

<table>
<thead>
<tr>
<th>Material</th>
<th>Percentage</th>
<th>ORGTAN MNL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>3.0 – 8.0%</td>
<td>ORGTAN MNL</td>
</tr>
<tr>
<td>Garment</td>
<td>2.0 – 4.0%</td>
<td>ORGTAN MNL</td>
</tr>
<tr>
<td>Light leathers</td>
<td>2.0 – 6.0%</td>
<td>ORGTAN MNL</td>
</tr>
<tr>
<td>Sheep skins</td>
<td>3.0 – 7.0%</td>
<td>ORGTAN MNL</td>
</tr>
</tbody>
</table>

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use.
ORGTAN PL

Pre-tanning syntan in liquid form for all types of vegetable tanned leather

Aspect : Pale brown liquid
Basis : Phenol condensation product
Concentration : 50% Approx.
pH : In 10% aqueous solution, 2.5 – 3.5
Light fastness : Medium

Note : Our range of liquid syntans has very low electrolyte content, thus low effluent pollution. Also have very less BOD and COD in the effluent. Has an advantage of easy feeding in to drums where the automation methods are adopted.

PROPERTIES

ORGTAN PL is a liquid syntan is suitable to increase the capacity of the delimed pelts to better absorb the vegetable tanning extracts.

ORGTAN PL has a good dispersing effect of vegetable extracts and the penetration is very uniform.

ORGTAN PL readily soluble in water and can be directly added.

ORGTAN PL reduces the duration of tanning period.

Due to its tanning action ORGTAN PL imparts lighter and pleasing optic to the leather with fine grain.
**APPLICATIONS**

(% based on pelt weight)

<table>
<thead>
<tr>
<th>Pre-tanning</th>
<th>ORGTAN PL</th>
<th>2.0 – 3.0%</th>
<th>for goat &amp; sheep skins</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ORGTAN PL</td>
<td>3.0 – 4.0%</td>
<td>for buff calf, cow calf and hides</td>
</tr>
</tbody>
</table>

**SHELF LIFE**

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 1 year. Some slight sedimentation may appear if stored for prolonged time under warm conditions. But this does not affect either the solubility or the efficiency of the product. Product should be stir well before use.
RETANNING AND DYEING AUXILLARIES
**ORGTAN LS**

**Formaldehyde Free** naphthalene condensation product with good light fastness and high levelling properties

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Light beige Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content</td>
<td>6.0% Max.</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.0 – 8.0</td>
</tr>
<tr>
<td>Ionic character</td>
<td>Anionic</td>
</tr>
<tr>
<td>Solubility</td>
<td>Good</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Good</td>
</tr>
</tbody>
</table>

**PROPERTIES**

As **ORGTAN LS** is free from formaldehyde, it is highly recommended for manufacture of formaldehyde free leathers.

**ORGTAN LS** retards the affinity of anionic dyes and penetrates slowly and through the cross section of the leather, results in uniform, level and penetrated dyeing.

**ORGTAN LS** can be used in all kind of shades especially for the medium and pastel shades with complete penetration and levelling.

**ORGTAN LS** can be used as a dispersing agent for syntans for through penetration of the syntans.

**ORGTAN LS** has lightening and even leveling effect on vegetable tanned leathers.

**ORGTAN LS** gives pure and bright shades when applied before basic dyestuffs.

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The above information has been given in good faith, with out liability
APPLICATIONS

Dyeing:

- On wet blue (% based on shaved weight)
  
  For deep shades 0.5 – 1.0 % ORGTAN LS
  For pastel shades 0.5 – 3.0 % ORGTAN LS
  For deeper penetration 1.0 – 4.0 % ORGTAN LS

- On crusting (% based on crust weight)
  
  3.0 – 6.0 % ORGTAN LS

During retanning: (% based on shaved weight)

  Along with syntans 2.0 – 3.0 % ORGTAN LS

SHELF LIFE

Under dry and cool storage conditions, the product does not show any problem and has a shelf life of 2 years. Some caking may appear if stored under warm, damp conditions but this does not affect either the solubility or the efficiency of the product.
ORGTAN ND

Neutralizing syntan in powder form with acid balancing, basifying and complexing effect.

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Pale Yellow fine powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content</td>
<td>6.0% Max</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 7.0 ± 0.5</td>
</tr>
<tr>
<td>Solubility</td>
<td>Excellent</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

PROPERTIES

1. Neutralizing:

ORGTAN ND gets penetrate very quickly and balances all remaining acid. Its buffering effect keeps a very good adjustment of the pH.

ORGTAN ND is usable in combination with other neutralizing agents, like sodium formate, sodium bi carbonate etc.

ORGTAN ND has got good levelling and dispersing power on dyestuffs, retanning and fat liquororing agent.

ORGTAN ND is light fast and keeps the shades more even and gives smooth and regular grain.

2. Basifying:

At the end of the chrome tanning process, ORGTAN ND basifies with high security and its complexing effect gives fullness to the leather.
APPLICATIONS

Neutralization : (% based on shaved weight)

Small skins : 1.0 – 1.5 % ORGTAN ND 40 min
Hides : 1.5 – 2.0 % ORGTAN ND 60 min

Basifying : (% based on pickle weight)

1.0 - 1.5 % ORGTAN ND 120 min

SHELF LIFE

ORGTAN ND has a shelf life of two years if it is stored in its original sealed package. Bags should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGYL DF

ORGYL DF is a cationic fixing agent, free from formaldehyde, which improves the fastness properties of anionic dyes.

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect</td>
<td>Yellowish liquid</td>
</tr>
<tr>
<td>Basis</td>
<td>Cationic polyamide</td>
</tr>
<tr>
<td>Charge</td>
<td>Cationic</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 4.5 – 5.5</td>
</tr>
</tbody>
</table>

PROPERTIES

ORGYL DF has a strong cationic polarity and a fixing agent recommended for the post treatment in dyeing process.

It is recommended to use in a separate bath at the end of the dyeing process.

Advantages of ORGYL DF:

- Free from formaldehyde
- No influence on shades
- No influence on light fastness

APPLICATIONS

Generally 0.5 to 3.0 % of ORGYL DF diluted with 3 times water is necessary, depending on dye nature and shade intensity.

After normal dye fixation with formic acid, use a fresh bath – (% based on wet blue weight)

150.0 % Water
0.5 – 3.0 % ORGYL DF
0.5 % Acetic acid run 20 min

The above information has been given in good faith, with out liability.
SHELF LIFE

**ORGYL DF** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGYL SA

ORGYL SA is a very good sequestering agent

Aspect : Colourless liquid
Basis : Organic acids
Charge : Anionic
pH : In 10% aqueous solution, 0.5 – 2.0
Stability : Good from (−) 10 to 30°C

PROPERTIES

ORGYL SA has a very good binding power towards ferrous (iron) ions.

ORGYL SA is more efficient by 10-15 times (1000-1500%) than any other standard sequestering agent.

APPLICATIONS

ORGYL SA is a multi purpose sequestering agent to prevent the formation of iron stains to give a cleaner surface on vegetable tanned leathers. It can be used to prevent stains and it can also cure the stains after their formation.

Due to its water softening action ORGYL SA has a pronounced leveling effect on dyes.

Due to its high concentration, it is suggested to use ORGYL SA in small quantities from 0.2 to 0.6%.

SHELF LIFE

If ORGYL SA is stored between 15°C and 35°C, the product has a shelf life of one year. Special care should be taken to close the drums after use.

The above information has been given in good faith, with out liability
**ORGYL FS**

*ORGYL FS* is a very efficient penetrating agent for all fat liquors and resins compatible with the treatment of waterproof leathers.

**Aspect** : Colourless liquid  
**Basis** : Organic compounds  
**Charge** : Anionic  
**pH** : In 10% aqueous solution, 10.0 – 12.0  
**Stability** : Good

**PROPERTIES**

*ORGYL FS* is endowed with an exceptional dispersing and penetrating power.

*ORGYL FS* is used to let the fat liquors more soluble and more stable and therefore enhance their penetration.

Due to its surfactant free active substances *ORGYL FS* is specially adapted to the waterproof processing acting as a carrier of resins and fat liquors.

**APPLICATIONS**

*ORGYL FS* can be used efficiently to prevent or to remove greasy top in case of medium Stability of the main fat liquor. It is recommended to use 10% of *ORGYL FS* on the total amount of fat liquors used.

*ORGYL FS* is very useful in waterproof process together with the first addition of *ORGOIL HO*.

Due to its chemical composition, *ORGYL FS* can be used as Aldehyde scavenger. Using of 1.0 – 1.5% of *ORGYL FS*, removes any free formaldehyde which could remain in the float.

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The above information has been given in good faith, with out liability.
SHELF LIFE

If ORGYL FS is stored between 15°C and 35°C, the product has a shelf life of one year. Special care should be taken to close the drums after use.
FATLIQUORS
ORG OIL AR

AOX Free Specialty Fatliquor for furniture, garment and upper leathers

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Off white paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Sulphited ester and high molecular aliphatic hydrocarbons</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 5.5 – 7.5</td>
</tr>
<tr>
<td>Charge</td>
<td>Anionic</td>
</tr>
<tr>
<td>Stability</td>
<td>Excellent to salts and acids</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

Note: Orgoil AR is supplied in the form of an emulsion and as such it is subject to small variation in colour and consistency. However this has no influence on the technical properties of the leather.

PROPERTIES

Orgoil AR is an ideal product for light weight leathers especially garment and upholstery leathers.

Orgoil AR can be used alone or as a major component in fatliquor combination. Depending on the desired effect Orgoil AR can be combined with ORGOIL SWA, ORGOIL POS, ORGOIL CF and ORGOIL LE.

Orgoil AR imparts excellent softness and fluffiness to leathers.

Orgoil AR gives waxy touch to leathers.

Orgoil AR highly penetrative and gives soft and mellow feel to leathers.

Orgoil AR can also be used for softy and upper leathers.
APPLICATIONS

Cow Nappa leathers  :  8.0 – 12.0 %
Sheep nappa        :  6.0 – 8.0 %
Goat Nappa         :  8.0 – 10.0 %
Glove Leathers     :  8.0 – 16.0 %
Cow fine milled leathers :  4.0 – 6.0 %
Cow Softy leather :  2.0 – 4.0 %
Buff upholstery    :  8.0 – 12.0 %

SHELF LIFE

**Orgoil AR** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORG OIL CF

**ORG OIL CF** is AOX Free compact, chrome stable, fat liquor for making any type of leather.

**ANALYSIS**

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light to dark brown viscous liquid</td>
</tr>
<tr>
<td>Basis</td>
<td>Combination of synthetic, sulphonated natural oils</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.5 – 8.0</td>
</tr>
<tr>
<td>Charge</td>
<td>Anionic</td>
</tr>
<tr>
<td>Stability</td>
<td>Good in anionic conditions</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Medium</td>
</tr>
</tbody>
</table>

**PROPERTIES**

As **ORG OIL CF** is a combination of synthetic and sulphonated natural oils, it can be used for the manufacture of any type of leather.

Due to its compactness, **ORG OIL CF** can be used as single fat liquor for garment leather.

As **ORG OIL CF** chrome stable, it can also be used in chrome tanning.

**APPLICATIONS**

(% based on wet blue shaved weight)

<table>
<thead>
<tr>
<th>Leather Type</th>
<th>ORGOIL CF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garment leathers</td>
<td>6 – 10%</td>
</tr>
<tr>
<td>Upper leather</td>
<td>3 - 4%</td>
</tr>
<tr>
<td>Nubuck leathers</td>
<td>4 – 6%</td>
</tr>
<tr>
<td>Suede leathers</td>
<td>4 – 6%</td>
</tr>
<tr>
<td>Lining leather</td>
<td>2 – 4%</td>
</tr>
</tbody>
</table>

The above information has been given in good faith, with out liability
SHELF LIFE

**ORGOIL CF** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.

The above information has been given in good faith, with out liability
ORGOIL CFS

Cationic fat liquor for the leather.

ANALYSIS

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Slightly viscous white paste</td>
</tr>
<tr>
<td>Base</td>
<td>Cationic ester of fatty amine</td>
</tr>
<tr>
<td>pH (1/10)</td>
<td>4.3 ± 0.5</td>
</tr>
<tr>
<td>Ionic character</td>
<td>Cationic</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Good</td>
</tr>
<tr>
<td>Stability</td>
<td>Excellent in Chrome tanning and mineral tanning baths</td>
</tr>
</tbody>
</table>

PROPERTIES

Orgoil CFS can be used in chrome tanning and as a top fatting to obtain surface effect on full grain.

When used during chrome tanning, Orgoil CFS will help to retain the moisture content of the wet blue during prolonged storage and not let the wet blue dry easily. Also reduce the duration of wet back.

Orgoil CFS is also suitable for suede leather where it gives a silky touch with writing effect.

In combination with other multi charge fat liquors and raw oils, Orgoil CFS will give the desired pull-up effects.

Before use, Orgoil CFS must be diluted in 3-5 times on its weight of water of 55°C at least.

APPLICATIONS

<table>
<thead>
<tr>
<th>Application</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome tanning</td>
<td>0.5 - 1.5 %</td>
</tr>
<tr>
<td>Upper leather (full grain)</td>
<td>0.5 – 1.0 %</td>
</tr>
<tr>
<td>Suede leather (In dyeing)</td>
<td>1.0 %</td>
</tr>
<tr>
<td>Split suede (In dyeing)</td>
<td>1.5 – 2.0 %</td>
</tr>
<tr>
<td>Topping for Pull-up leather</td>
<td>2.0 %</td>
</tr>
</tbody>
</table>

The above information has been given in good faith, without liability.
SHELF LIFE

Orgoil CFS has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened. Under extreme climatic condition, the product may slightly separate. Therefore, it is recommended to always stir well before use.
ORGOIL CG

AOX Free anionic fat liquor adapted for the production of white leathers

Aspect : Off white liquid to paste
Basis : Reconstituted synthetic fatty matter with Synthetic oil and softeners
pH : In 10% aqueous solution, 5.5 – 8.0
Charge : Anionic
Stability : Excellent. Stable for hard water, salts and electrolytes
Light fastness : Excellent

Note : ORGOIL CG is supplied in the form of an emulsion and as such it is subject to small variation in colour and consistency. However this has no influence on the technical properties of the leather

PROPERTIES

ORGOIL CG is specially formulated to obtain white soft leather with waxy feel.

ORGOIL CG is non-yellowing fat liquor and does not load the leather.

ORGOIL CG is fat liquor, which penetrates deep and gives silky touch to the leather.

ORGOIL CG improves the water resistance and moisture balance of the leathers.

ORGOIL CG can be easily diluted with cold or warm water with constant stirring.

APPLICATIONS

Sheep nappa : 4.0 % ORGOIL CG
Industrial white Glove : 6.0 % ORGOIL CG
Cow Upper : 4.0 % ORGOIL CG
Goat Upper : 3.0 % ORGOIL CG

The above information has been given in good faith, with out liability
SHELF LIFE

**ORGOIL CG** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGOIL KL

Cationic fatliquor based on cationic ester of fatty amine

Aspect : White emulsion
Charge : Cationic
pH : In 10% aqueous solution, 3.0 – 4.0
Stability : Excellent to salts and acids
Light fastness : Excellent

PROPERTIES

ORGOIL KL highly stable in hard water, acid, chrome and electrolytes it can be used during chrome tanning to achieve uniform penetration of basic chrome sulphate and better uptake of chrome.

The pelt treated with ORGOIL KL during Chrome tanning gives a very light, uniform and pleasing colour to the wet blue stock.

ORGOIL KL imparts silky touch and writing effect to the suedes.

ORGOIL KL can also be used a top fat liquor to give better handle and grain break.

ORGOIL KL will enhance the depth and optic of the dyeing when used in sandwich dyeing which also results in the reduced percentage of dye.

The above information has been given in good faith, with out liability.
APPLICATIONS

During chrome tanning : 0.5 – 1.0% on pelt weight

Suedes : 1.0 – 6.0% on crust weight

For grain leathers : 0.5 – 1.0% on wet blue weight

In sandwich dyeing : 0.5% on wet blue weight

SHELF LIFE

ORG-OIL KL has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGIOIL CS

Sulphited vegetable oil based fat liquor for leather.

Aspect : Light yellowish clear oil
Basis : Sulphited vegetable oil blends
Concentration : 60 ± 1%
pH : In 10% aqueous solution, 6.5 – 7.5
Stability : Good

PROPERTIES

Orgoil CS is a multipurpose fat liquor based on sulphited vegetable oil, can be diluted with warm and cold water.

Orgoil CS has got good stability to hard water, neutral salts, acids and alkalis.

Orgoil CS imparts good softness as it penetrates deep into the fibres and deposits uniformly in the cross section of the leather, which gives soft and round feel.

Orgoil CS enhances good fullness and body to the leather without loading.

Orgoil CS can be used in various stages of leather manufacturing.

Orgoil CS will improve the buffing properties when used during crusting of suede and Nubuck leathers.

APPLICATIONS

Orgoil CS is mostly suitable for the production of full veg and semi chrome glazed and burnished leather also suitable for the crusting of Suede and Nubuck.
(% based on shaved weight)

<table>
<thead>
<tr>
<th>Material</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glazed upper</td>
<td>1.5 – 2.0 %</td>
</tr>
<tr>
<td>Burnish uppers</td>
<td>1.5 – 3.0 %</td>
</tr>
<tr>
<td>Cow softies</td>
<td>1.0 – 2.0 %</td>
</tr>
<tr>
<td>Sheep crusting</td>
<td>1.5 – 2.0 %</td>
</tr>
<tr>
<td>Suede crusting</td>
<td>2.0 – 3.0 %</td>
</tr>
</tbody>
</table>

**SHELF LIFE**

*Orgoil CS* has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGOIL ESL

ORGOIL ESL is anionic fully synthetic fat liquor

Aspect : Off-white liquid
Basis : Sulphited ester and high molecular aliphatic hydrocarbons
pH : In 10% aqueous solution, 6.5 – 8.0
Charge : Anionic
Stability : Excellent to salts, acids
Light fastness : Excellent

Note : ORGOIL ESL is supplied in the form of an emulsion and as such it is subject to small variation in colour and consistency. However this has no influence on the technical properties of the leather

PROPERTIES

ORGOIL ESL imparts the leather with good softness.
ORGOIL ESL gives waxy handle to the leather.
Due to excellent stability to salts, acids and chrome ORGOIL ESL is recommended as a pre-fat liquor during pickling and chrome tannage for all types of leathers and furs. The hairs are free from grease and oils.

ORGOIL ESL imparts uniform and level dyeing.
On suedes and nubucks ORGOIL ESL gives silky, glossy and luster optic.
Due to its good penetration and good emulsifying power, ORGOIL ESL can be used as an emulsifier for other fat liquors.

Because of its very good light fastness and its excellent dyeing ability ORGOIL ESL is suitable for softies, nappas, suedes, nubucks and split suedes.
ORGOIL ESL is also suitable for wetting back hard leather.

ORGOIL ESL increases the tensile strength and tear strength.
APPLICATIONS

Pickling : 0.3 – 2.0% ORGOIL ESL on pelt weight

Tanning : 0.5 – 3.0% ORGOIL ESL on pelt weight

Chrome retanning : 1.0 – 4.0% ORGOIL ESL on shaved weight

Synthetic / Vegetable tanning : 0.5 – 2.0% ORGOIL ESL on shaved weight

Dyeing : 1.0 – 2.0% ORGOIL ESL on dry weight
0.5 – 1.0% ORGOIL ESL on shaved weight

Main fat liquorin g : 5.0 – 12.0% ORGOIL ESL on shaved weight

Wetting back : 1.0 – 2.0% ORGOIL ESL on dry weight

EMULSION INSTRUCTIONS

ORGOIL ESL can be diluted in cold or hot water in any proportion. Stir well before use.

SHELF LIFE

ORGOIL ESL has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened. Under extreme climatic conditions, the product may slightly separate. Therefore, it is recommended to always stir well before use.
ORGOIL FO

Sulphited fish oil substitute made from natural oils

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Greenish yellow viscous liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Sulphited fish oil substitute</td>
</tr>
<tr>
<td>Concentration</td>
<td>75% Approx</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.5 – 8.0</td>
</tr>
<tr>
<td>Charge</td>
<td>Anionic</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Medium</td>
</tr>
<tr>
<td>Stability</td>
<td>Stable in mineral tanning bath</td>
</tr>
</tbody>
</table>

PROPERTIES

Orgoil FO does not smell bad odour like conventional fish oil.

Orgoil FO is stable to acid, salt and other mineral tanning agents.

Orgoil FO is having good heat resistance.

Orgoil FO Imparts tighter, softer and fuller grain

Orgoil FO suitable for softy uppers, garment nappas, box calf and upholstery leathers.

APPLICATIONS

In main fat liquorining:

- Garment & Upholstery : 8.0 - 10.0 % Orgoil FO
- Upper Leather : 4.0 - 5.0 % Orgoil FO
- Softy Upper Leather : 5.0 - 6.0 % Orgoil FO

In Re-chroming : 1.0 - 2.0 % Orgoil FO

The above information has been given in good faith, with out liability
SHELF LIFE

**Orgoil FO** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened. Under extreme climatic condition, the product may slightly separate. Therefore, it is recommended to always stir well before use.
**ORGOIL GLL**

**ORGOIL GLL** is **AOX Free** anionic electrolyte stable fully synthetic fat liquor

<table>
<thead>
<tr>
<th>Aspect</th>
<th>White emulsion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis</td>
<td>Sulpho ester derivatives with aliphatic hydrocarbons &amp; oils</td>
</tr>
<tr>
<td>pH</td>
<td>In 10% aqueous solution, 6.0 – 8.0</td>
</tr>
<tr>
<td>Charge</td>
<td>Anionic</td>
</tr>
<tr>
<td>Stability</td>
<td>Excellent to electrolytes</td>
</tr>
<tr>
<td>Light fastness</td>
<td>Very good</td>
</tr>
</tbody>
</table>

**Note**

ORGOIL GLL is supplied in the form of an emulsion and as such it is subject to small variation in colour and consistency. However this has no influence on the technical properties of the leather.

**PROPERTIES**

ORGOIL GLL imparts very good electrolyte stability; therefore it can be used at any stage in the leather production.

ORGOIL GLL has got very good emulsifying power which helps to emulsify and distribute the natural fat in the skin resulting uniform softness and dyeing throughout the skin.

ORGOIL GLL gives waxy handle to the leather.

Due to excellent stability to salts, acids and chrome ORGOIL GLL is recommended as a pre-fat liquor during pickling and chrome tannage for all types of leathers and furs. The hairs are free from grease and oils.

ORGOIL GLL imparts uniform and level dyeing.

On suedes and nubucks ORGOIL GLL gives silky, glossy and luster effect.

The above information has been given in good faith, with out liability
Due to its good penetration and good emulsifying power, ORGOIL GLL can be used as an emulsifier for other fat liquors.

Because of its very good light fastness and its excellent dyeing ability ORGOIL GLL is suitable for softies, nappas, suedes, nubucks and split suedes.

ORGOIL GLL is especially suitable for wetting back hard leather.

ORGOIL GLL increases the tensile strength and tear strength.

**APPLICATIONS**

**Pickling** : 0.3 – 2.0% ORGOIL GLL on pelt weight

**Tanning** : 0.5 – 3.0% ORGOIL GLL on pelt weight

**Chrome retanning** : 1.0 – 4.0% ORGOIL GLL on shaved weight

**Synthetic / Vegetable tanning** : 0.5 – 2.0% ORGOIL GLL on shaved weight

**Dyeing** : 1.0 – 2.0% ORGOIL GLL on dry weight

**Main Fat liquoring** : 5.0 – 12.0% ORGOIL GLL on shaved weight

**Wetting back** : 1.0 – 2.0% ORGOIL GLL on dry weight

The above information has been given in good faith, with out liability
EMULSION INSTRUCTIONS

ORGOIL GLL can be diluted in cold or hot water in any proportion. Stir well before use.

SHELF LIFE

ORGOIL GLL has a shelf life of one year if it is stored in its original sealed package with temp between +5° - 35°. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened. Under extreme climatic conditions, the product may slightly separate. Therefore, it is recommended to always stir well before use.
ORGOIL HO

ORGOIL HO is a fat liquoring emulsion for tight grain hydrophobic and Nubuck leathers.

Aspect : Yellow hazy pourable liquid
Basis : Alkyl phosphate based
pH : In 10% aqueous solution, 6.5 – 8.5
Ionic character : Anionic
Stability : Not stable to cationic and mineral salts
Light fastness : Good

EMULSION INSTRUCTIONS

Before use, ORGOIL HO should be stirred well and should be emulsified with hot water.

PROPERTIES / ADVANTAGES

Characteristics:

- Strong chrome fixation
- Low oxydability
- Strong emulsifier for neutral fat

Advantages:

- Low migration
- Deep shade
- Light fastness
- High softness
- Neutral fat penetration

The above information has been given in good faith, with out liability
**ORG OIL HO** is recommended to give excellent hydrophobic effects for most types of shoe upper leather and safety shoes (garment, gloves, and white leathers).

Due to its irreversible binding to fibres, **ORG OIL HO** is also suitable for producing washable leathers.

**APPLICATIONS**

It is very important to neutralize completely the leathers to at least pH 6.5 before treatment with **ORG OIL HO**.

To neutralize, we suggest you to use ORGTAN XO to avoid excess of mineral salts.

It is necessary to rinse the leathers after neutralization and retanning.

**ORG OIL HO** can be used from 8.0 – 12.0%, depending on the softness required, based on the shaved weight.

The fixation of **ORG OIL HO** on leather fibre is achieved by addition of small quantities of mineral tanning materials like chrome, aluminium, and zirconium.

**SHELF LIFE**

**ORG OIL HO** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.

Under extreme climatic conditions, the product may slightly separate. Therefore, it is recommended to always stir well before use.
ORGOIL LE

Anionic fat liquor adapted to the production of any kind of soft leather

Aspect : Yellow paste  
Basis  : Phospholipids with synthetic oils  
PpH  : In 10% aqueous solution, 7.5 – 8.5  
Charge : Anionic  
Light fastness : Good  
Stability : Good in anionic conditions

Note : ORGOIL LE is supplied in the form of an emulsion and as such it is subject to small variation in colour and consistency. However this has no influence on the technical properties of the leather

PROPERTIES

ORGOIL LE has specially formulated to obtain very soft leather (Garments and Upholstery) with silky touch and fine grain.

ORGOIL LE can be diluted easily with 3 times on its weight of water at 55°C with constant stirring.

ORGOIL LE is fat liquor with good penetration in to the leather so it gives good softness throughout the cross section with fullness.

ORGOIL LE is specially recommended to get good softness in the production of garment, upholstery and soft suede with a silky touch.

Due to its minimum fogging values ORGOIL LE is particularly suitable for automotive leathers (chrome or chrome free leathers)
APPLICATIONS

Sheep nappa       : ORGOIL LE 5.0 %
Upholstery        : ORGOIL LE 9.0 %
Softy leather     : ORGOIL LE 3.0 %
Suede leather     : ORGOIL LE 4.0 %

SHELF LIFE

ORGOIL LE has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGOIL POS

Anionic synthetic fat liquor suitable for all types of chrome or vegetable tanned leather, which will give good softness without fatty migrations

Aspect : Clear yellow liquid
Basis : Phosphated and sulphonated fatty alcohols
Concentration : 52 ± 1%
pH : In 10% aqueous solution, 8.0 – 8.5
Concentration : Anionic
Stability : Very Good
Light fastness : Excellent

PROPERTIES

ORGOIL POS is used alone or in combination with other anionic or non-ionic based fat liquors.

ORGOIL POS has good stability to hard water, neutral salts, acids and alkalis.

ORGOIL POS can be added during rechroming and neutralization to get more softness.

ORGOIL POS is fat liquor with good penetration into the leather so it gives good softness throughout the cross section. ORGOIL POS keeps good level of dye shades.

ORGOIL POS is specially recommended to get lightweight garment, upholstery and soft suede with a silky touch.
### APPLICATIONS

<table>
<thead>
<tr>
<th>Material</th>
<th>ORGOIL POS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheep nappa</td>
<td>ORGOIL POS</td>
<td>5.0</td>
</tr>
<tr>
<td>Upholstery</td>
<td>ORGOIL POS</td>
<td>9.0</td>
</tr>
<tr>
<td>Softy leather</td>
<td>ORGOIL POS</td>
<td>6.0</td>
</tr>
<tr>
<td>Suede leather</td>
<td>ORGOIL POS</td>
<td>4.0</td>
</tr>
</tbody>
</table>

### SHELF LIFE

**ORGGOIL POS** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened. Under extreme climatic condition, the product may slightly separate. Therefore, it is recommended to always stir well before use.
ORGOIL VI

Raw oil with the blend of natural and synthetic oils

**Aspect** : Light yellow coloured clear liquid  
**Basis** : Mixture of natural and synthetic oils  
**Concentration** : 100%  
**pH** : In 10% aqueous solution, 6.5 – 7.5  
**Charge** : Anionic  
**Light fastness** : Excellent

**PROPERTIES**

**ORGOIL VI** is a water immiscible oil.

**ORGOIL VI** gives very good lubrication and does not form spew.

**ORGOIL VI** is well suited for oiling up of Vegetable tanned leather.

**ORGOIL VI** improves the yield of the Vegetable tanned leather.

**ORGOIL VI** improves the tear strength of the vegetable tanned leathers.

**ORGOIL VI** eliminates the grain crack of the vegetable tanned leathers.

**ORGOIL VI** unlike any other natural oil, does not impart any rancidity.

Vegetable tanned leathers applied with **ORGOIL VI** does not form greasy surface and hence does not skid during second setting, unlike any other natural oil and hence any damage on the grain is avoided.

The above information has been given in good faith, with out liability.
**SHELF LIFE**

**ORGOIL VI** has a shelf life of six months if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.

The above information has been given in good faith, with out liability.
ORGOIL TO

ORGOIL TO is natural fat liquor based on white tallow

Aspect : White paste
Basis : Sulphonated tallow
pH : In 10% aqueous solution, 6.5 – 8.0
Concentration : 50 ± 2%
Stability : Very good
Light fastness : Good

PROPERTIES

Due to its natural structure of the oil, ORGOIL TO will impart excellent fullness to the leather.

ORGOIL TO is more suitable for saddler leather, harness leathers, vachetta, oil pull-ups and crazy horse type of leathers.

When ORGOIL TO is used on shoe upper leather, good tightness can be achieved.

ORGOIL TO can also be used for furniture leathers.

ORGOIL TO imparts silky touch, sheen with writing effect on suede and nubuck leathers.

APPLICATIONS

Depending on the type of leather, ORGOIL TO can be used from 2% up to 8% depending on the type of leather to be made.
SHELF LIFE

**ORGOIL TO** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.
ORGOIL SWA

Anionic fat liquor adapted for the production of soft leathers

 Aspect : Semi transparent Brown pourable liquid  
 Basis : Synthetic amino esters and oils  
 pH : In 10% aqueous solution, 6.5 – 8.0  
 Charge : Anionic  
 Stability : Stable to hard water, salts and electrolytes  
 Light fastness : Excellent

PROPERTIES

ORGOIL SWA is specially formulated to obtain very soft leather with spongy round feel.

ORGOIL SWA can be diluted easily with cold or warm water with constant stirring.

ORGOIL SWA has got very good penetration power and hence it gives extreme softness.

ORGOIL SWA is specially recommended to get good softness in the production of garment leather, softies and glove.

The leathers treated with ORGOIL SWA are comparatively light in weight.

APPLICATIONS

Sheep nappa  : 5.0 – 7.0 %  
Upholstery  : 7.0 – 9.0%  
Softies  : 4.0 – 5.0 %  
Suedes  : 4.0 – 5.0 %

The above information has been given in good faith, with out liability
SHELF LIFE

**ORGOIL SWA** has a shelf life of one year if it is stored in its original sealed package. Drums should be tightly resealed each time material is taken from them and their content should be used up as soon as possible after they have been opened.

The above information has been given in good faith, with out liability.