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PRODUCT  
CATALOG



ecovita

ECOVITA DEVELOPS SOLUTIONS TO ENABLE THE LEATHER INDUSTRY  
TO ADVANCE WITH GREATER EFFICIENCY, SAFETY, AND RESPONSIBILITY.

Chemical solutions with respect for life.





# LEATHER

## CHEMICALS

Tanneries work every day to produce quality products with performance, safety, and responsibility.

Therefore, Ecovita develops chemical solutions to support each stage of this process, contributing to more efficient, conscious production aligned with the challenges of the industry.

**Our own product line includes products for tanning, retanning, and finishing, offering support for a complete leather treatment cycle with quality, consistency, and technical application.**

In addition to the solutions developed by Ecovita, we also distribute complementary products, expanding the possibilities to meet different market demands.



# RE TAN NING

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| PRODUCT    | APPEARANCE               | CHEMICAL CHARACTERISTICS                                                                          | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|--------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ECOTAN BCS | Greenish powder          | Basic chromium sulfate and other salts<br>pH (10% solution): Range: 2.5 – 3.5                     | ECOTAN BCS is a synthetic tannin based on basic chromium sulfate, especially indicated for re-chroming. It enables the production of leathers with firm grain, fullness, roundness, and an extremely soft touch. ECOTAN BCS does not interfere with the uniformity of dyeing. It greatly improves the sandability of the leather, allowing the production of sanded articles of excellent quality. Recommended dosage: 2 to 6% of the shaved weight, depending on the required re-chroming. |
| ECOTAN SIL | Homogeneous brown powder | Sulfonated organic polymer compounds and other auxiliaries<br>pH (10% solution): Range: 3.5 – 5.5 | ECOTAN SIL is recommended for the retanning of chrome-tanned and vegetable-tanned leathers, providing softness, fullness, firm grain, and excellent buffability. ECOTAN SIL is compatible with other syntans, phenolic and naphthalene resins, aminoplastic and acrylic resins, as well as mineral and vegetable tanning agents. Recommended dosage: 2–6% for all types of leathers.                                                                                                        |
| ECOTAN OS  | Light brown powder       | Naphthalene-phenol condensate<br>pH (10% solution): Range: 2.5 – 4.5                              | ECOTAN OS has been specially developed for the retanning of chrome-tanned and vegetable-tanned leathers, providing softness and fullness. ECOTAN OS is compatible with other syntans, phenolic and naphthalene resins, aminoplastic and acrylic resins, as well as mineral and vegetable tanning agents. The application of ECOTAN OS is recommended in the retanning process. Recommended dosage: 2 to 6%.                                                                                 |



| PRODUCT    | APPEARANCE           | CHEMICAL CHARACTERISTICS                                                                                     | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| ECOTAN SX  | Light-colored powder | Aromatic sulfone condensation product<br>pH (10% solution): Range: 3.5 – 4.5                                 | <p>ECOTAN SX is a sulfone-based synthetic tanning agent, water-soluble and compatible with all products normally used in tanning and retanning operations.</p> <p>ECOTAN SX is recommended as a tanning/retanning agent for the pretanning of wet-white leathers. In this application, a dosage of 10–20% based on shaved weight is recommended, applied in several stages for all article types. As a retanning agent, it offers good lightfastness, excellent electrolyte stability, and mild astringency, resulting in a fine and firm grain. It also provides good filling properties, producing round, soft leathers.</p> <p>ECOTAN SX promotes uniform and bright dyeings, including pastel shades. For retanning, the recommended dosage is 4–12% based on shaved weight, generally in combination with other retanning agents.</p> <p>ECOTAN SX is particularly recommended for articles containing wool or hair, especially white articles requiring higher leather shrinkage temperatures.</p> |
| ECOTAN SBF | White powder         | Sulfone-based product, free from free formaldehyde and restricted bisphenols<br>pH (10% solution): 3.0 – 4.0 | <p>ECOTAN SBF is a synthetic tanning and retanning agent designed to replace aromatic sulfones containing restricted bisphenols. Its formulation is free from free formaldehyde and restricted bisphenols. With excellent filling properties, ECOTAN SBF is highly versatile and can be applied in pretanning, tanning, and retanning processes for a wide variety of of all types of leathers. It is particularly suitable for leathers requiring a firm grain and round handle. Additionally, ECOTAN SBF provides a good bleaching effect.</p> <p>ECOTAN SBF can be used in tanning, applying 10% to 20% of the product based on shaved weight. It can also be used in retanning, applying 5 to 10% based on shaved weight.</p>                                                                                                                                                                                                                                                                        |
| ECOTAN FR  | White powder         | Organic filler<br>pH (10% solution): Range: 4.5 – 6.5                                                        | <p>ECOTAN FR exhibits good water solubility and low ash content. ECOTAN FR is an organic filler with retanning properties, recommended for the retanning of all leather types where pronounced filling is required, including white leathers. It provides superior softness uniformity across the butt, flanks, and shoulder areas.</p> <p>Recommended dosage: 2–6% based on shaved weight.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



| PRODUCT      | APPEARANCE                                     | CHEMICAL CHARACTERISTICS                                                                         | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| ECOTAN AG 46 | White, pasty liquid with a characteristic odor | Micronized titanium dioxide dispersion in resin emulsion<br>pH (10% solution): Range: 8.5 – 10.5 | ECOTAN AG 46 is completely water-soluble and compatible with most products used in leather processing. ECOTAN AG 46 is a retanning auxiliary designed to replace drum-applied titanium dioxide in the production of white and pastel-colored leathers. Due to its balanced formulation, it contributes to leather filling and surface whitening without accentuating grain defects.<br>Recommended dosage: 2–4%. It is advisable to dilute the product in water before addition. For detailed application procedures, please contact our Technical Department.                                                                                                                                 |
| ECODERME EFD | Viscous, paste-like liquid                     | Modified sulfated fatty alcohol<br>pH (10% solution): 6.0 – 8.0                                  | ECODERME EFD is recommended for all types of leather requiring a high degree of internal fiber lubrication. It imparts a silky, pleasant handle and is suitable for pickling, tanning, and re-chroming processes in the production of garment, upholstery, and double-face leathers. The resulting leathers are soft, with a firm grain and excellent handle. It can also be used in white leathers, improving fatliquor penetration and distribution, as well as tear strength and lastometer performance.<br>ECODERME EFD enables the production of extremely soft, lightweight, and spongy leathers and is biodegradable. Recommended dosage: 2 to 5% in the various stages of the process. |
| ECODERME TL4 | Yellowish liquid                               | Synthetic oil-based fatliquoring polymer<br>pH (10% solution): Range: 6.5 – 8.5                  | ECODERME TL4 is a synthetic polymer with high-performance retanning properties. It is particularly suitable for leathers requiring pronounced softness and lightness, while offering excellent resistance to light and heat. ECODERME TL4 may be used alone or in combination with other fatliquors in garment, floater, upholstery, and nappa leather articles.                                                                                                                                                                                                                                                                                                                               |



| PRODUCT      | APPEARANCE                                 | CHEMICAL CHARACTERISTICS                                                                                           | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| ECODERME S7  | White to slightly yellowish viscous liquid | Modified synthetic fatliquoring polymer with high light and heat resistance<br>pH (10% solution): Range: 6.5 – 8.5 | ECODERME S7 is a synthetic fatliquoring polymer with excellent retanning properties, offering high performance at various stages of the process. Due to its remarkable stability, it can be applied at various stages of production. It is recommended for all types of articles that require soft, lightweight, and silky leather. In addition, its excellent light and heat fastness allows its use on white and pastel-colored leathers.<br>ECODERME S7 can be used at 5 to 25% alone or in combination with other fatliquors in garment, floater, and furniture upholstery articles. In footwear and semi-chrome nappa leather, it can be used at approximately 2 to 10%. |
| ECODERME ADL | Yellowish viscous liquid                   | Complex active fatliquor modified with lecithin<br>pH (10% solution): 6.0 – 8.0                                    | ECODERME ADL is used when lightweight leathers with high softness, a silky and pleasant feel are required. Suitable for both leather uppers and nappa leather, it also increases tear resistance. It is especially indicated for clothing nappa leather, upholstery, and suede. Due to its high distribution capacity, it produces leathers with pronounced softness and a silky feel without compromising the uniformity of dyeing.                                                                                                                                                                                                                                          |
| ECODERME MOC | Transparent yellowish liquid               | Fortified neat's-foot oil<br>(Non-miscible with water)                                                             | ECODERME MOC lubricates the grain surface of the leather. It can be used for white leathers and pastel shades, as it offers excellent light and heat fastness. As a raw oil, it is not miscible in water. Depending on the percentage applied, it can serve as a base for greasy effects.                                                                                                                                                                                                                                                                                                                                                                                     |



| PRODUCT         | APPEARANCE                                                        | CHEMICAL CHARACTERISTICS                                                  | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                    |
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| ECODERME SO 100 | Reddish viscous liquid                                            | Sulfated natural and synthetic oil<br>pH (10% solution):vRange: 6.5 – 8.5 | ECODERME SO 100 is used when full, soft leathers with a firm grain and silky touch are desired. It can be used in combination with other oils according to the required article. ECODERME SO 100 is easily emulsifiable in warm water, has good lightfastness, and its main effects are filling and a round handle.                                                                                            |
| ECOTAN TR 13    | Homogeneous beige powder                                          | Complex-active retanning resin<br>pH (10% solution): Range: 5.5 – 7.5     | ECOTAN TR 13 is recommended for the retanning of all leather types where pronounced filling and a firm grain with fine pores are required. ECOTAN TR 13 significantly improves progressive tear resistance and lastometer performance. It contains no formaldehyde, phenol, or free acrylic acids.<br>ECOTAN TR 13 can be combined with vegetable tannins, synthetic tannins, aminoplastic and acrylic resins. |
| ECOTAN NR       | Transparent to opalescent liquid, colorless to slightly yellowish | Safety neutralizing agent<br>pH (10% solution): Range: 6.0 – 8.0          | ECOTAN NR is recommended for all leather types. ECOTAN NR is an excellent neutralizing agent, providing deep and uniform neutralization of leathers. It offers excellent buffering of the leather. Due to its characteristic of providing good lightfastness, ECOTAN NR is also highly indicated for the production of white leathers.                                                                         |



| PRODUCT    | APPEARANCE                                                                | CHEMICAL CHARACTERISTICS                                                       | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| ECOTAN TB  | Homogeneous white powder                                                  | Combination of organic polyphosphates with buffering effect                    | <p>ECOTAN TB, as a neutralizing agent, assists in the removal of strong residual acids present in the internal structure of the leather. The use of ECOTAN TB eliminates undesired pH peaks during the neutralization process, resulting in leather with a tighter pore structure and contributing to a smoother grain.</p> <p>The buffering effect obtained with ECOTAN TB contributes to better dispersion and absorption of products in the retanning stage. Due to its chemical characteristics, it can also be used as a penetration auxiliary for dyes with low strike-through performance.</p> |
| ECOTAN TG  | Transparent to opalescent, colorless to slightly yellowish viscous liquid | High molecular weight retanning resin<br>pH (10% solution): Range: 4.4 – 4.8   | <p>ECOTAN TG is a high molecular weight copolymer, especially indicated for articles requiring exceptional grain firmness. It has excellent light and heat fastness, making it suitable for white or pastel-colored leathers. ECOTAN TG produces leathers with a fine and firm grain. The grain firmness effect can be noted even in articles with high softness.</p>                                                                                                                                                                                                                                 |
| VITASOL CC | Colorless to yellowish viscous liquid                                     | Biodegradable complex-active surfactant<br>pH (10% solution): Range: 6.5 – 8.5 | <p>VITASOL CC has an excellent effect as an emulsifier for natural greases and metallic soaps. Applied before neutralization, it provides remarkable whitening of chrome-tanned leather, making it suitable for white leathers. Due to its special emulsifying effect, VITASOL CC eliminates the undesirable influence of residual greases and fats present on the leather surface, so that dyes, retanning agents, and fatliquors used in subsequent processes are uniformly distributed throughout the leather.</p>                                                                                 |



| PRODUCT        | APPEARANCE                       | CHEMICAL CHARACTERISTICS                                                                        | APPLICATION                                                                                                                                                                                                                                                                                                                             |
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| ECOTAN MR CONC | Transparent to opalescent liquid | Aqueous solution of styrene-maleic anhydride copolymer<br>pH (100% solution): Range: 8.0 – 10.0 | ECOTAN MR CONC is a styrene-maleic copolymer, especially indicated for articles requiring grain firmness. In milled leathers, it provides a fine and uniform break. It has excellent light and heat fastness, making it suitable for white or pastel-colored leathers. ECOTAN MR CONC produces articles with high filling and softness. |

