



TFL PURE TEC **PT**

Leather is pure nature – and that feels good

» MAGNOPAL® Pure A – bio-polymer based on renewable raw materials



TFL – Great chemicals. Excellent advice.



Sustainable chemicals for magnificent performances

Let's face facts! Leather is one of the most natural and original material in our modern world. It comes from nature, it lives with nature and in the end it goes back to nature.

We at TFL are strong supporters of leather as a natural and sustainable product, so we have developed a solution to bring the terms "leather" and "nature" in line.

We have created a polymer composed of 93% renewable materials

With this in mind, we have developed MAGNOPAL® Pure A, a film-forming bio-polymer and primary ingredient of the Wet-end process. It is based on vegetable biomass, a staggering 93% of which consists of renewable materials. It's free of acrylates, formaldehyde, phenol and naphthalene and is a pioneer in shifting to non-petrochemical leather manufacturing.

MAGNOPAL® Pure A enables a manufacturing process that leaves the lowest environmental footprint possible. This includes further aspects: MRSL-conforming products need to exhaust well and the residual float should be readily biodegradable with a low salinity impact for the effluent treatment plant. All these demands are fulfilled by MAGNOPAL® Pure A – that's why it bears the name "Pure".

» Sustainability profile of MAGNOPAL® Pure A



93% Renewable resources
Bio-content in relation to total dry weight of product (DIN EN 16785-2)



Readily Biodegradability of residual float
Ratio BOD₅ / COD as an indication of biodegradability of wastewater



Low Toxicity
GHS classification to categorize products according to their toxicity



Low Salinity impact
Amount of inorganic salt ending up in wastewater due to product design

A "Pure" chemical for outstanding performances on leather

We all know "green" is only one side of the story. In the end, a product needs to perform and deliver the requested results just like MAGNOPAL® Pure A does: It creates smooth and tight leathers with uniform dyeability and a low specific weight whilst achieving the highest shade intensity, levelness, defect coverage and buffability.

MAGNOPAL® Pure A improves the tightness of the fibre structure and therefore makes it suitable for retanning fine and smooth grain articles. Due to its film forming effect, the product reacts especially well on all vacuum dried leathers.

MAGNOPAL® Pure A has a high exhaustion. This leads to a significant reduction of the COD load of waste water and has a positive effect on chrome fixation.

MAGNOPAL® Pure A paves the way for TFL PURE TEC

The launch of MAGNOPAL® Pure A is also the birth of the TFL PURE TEC. It's TFL's new range featuring products that meet the high standards regarding enhanced sustainability.

Leather is pure nature. Treated with "Pure" products it's more than just a phrase.

» Application of MAGNOPAL® Pure A

Before/during/after neutralisation of the Wet-end process

» Results with MAGNOPAL® Pure A

Tight grain, lightweight leathers

Waterproof leathers

» Suitability of MAGNOPAL® Pure A

Automotive

Garment, glove leather

Shoe & leather goods

Upholstery



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06-2020

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