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## TECHNICAL DATA SHEET

### PURONOL ECO

#### Fatty acid Ester chloro sulphonated Fat Liquor

Product name	: <b>PURONOL ECO</b>
Appearance	: yellow medium viscous liquid.
Character	: Anionic fat liquor based on vegetable fatty acid ester sulpho chlorinated
pH of 10% solution	: 7.00 to 8.50
Active matter (%w/w)	: 55.00%±2
Method of dilution	: Can be diluted with cold or warm water in the Ratio of 1:4 it will give a milky emulsion.
Emulsion Stability (3500ppm CaCl <sub>2</sub> )	: Stable
Chrome stability (3000 ppm)	: Stable

**PROPERTIES** : High penetration fat liquor for all type of Leathers. It will give high quality leather with grain softness and light weight. Can be used in chrome bath and retaining.

**COMPATIBILITY** : Compatible with non-ionic and anionic Products. Stable in synthetic and mineral tanning baths.



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**APPLICATION** : **PURONOL ECO** –fat fat liquor is suitable for fat liquoring of pastel, Light coloured, tinted and white leather as well as for the fat liquoring of valuable and delicate tanned furs. The product is well absorbed by the leather and yield excellent lubricity and softening action with remarkable resistance to water and aqueous (or) organic detergent solution. **PURONOL ECO** fat Fatliquored leather exhibit soft, supple, and full feel and has excellent fastness to oxidation, light, and acid ( % based on shaved weight)

For Gloving : pastel / white colour chrome tanned leather 6 to 8%

For Sheep Garment : Chrome tanned and dyed leather 7-10%

For Cow nappa : 8 -10%

**SAFETY** : A non-hazard product and can be handled with normal care. Any contact with eye and / or spillage on skin should be washed thoroughly in running water.

**STORAGE** : 6 month shelf life when stored indoors in sealed Containers.

Protect from moisture exposure to sunlight.

#### **ADVANTAGES OF ECO FAT –FATLIQUOR:**

**PURONOL ECO** -fat fatliquor is based on sulpho chlorinated palm fatty acid ester which is having advantages over sulpho chlorinated paraffin based Fatliquors.

- ❖ Substitution (100%) of Raw material of petro chemical origin with other based on renewable sources implies a substantial change in the environmental sustainability.
- ❖ Potential problem connected with bio-accumulations are ruled out by foreseen elimination (100%) of process of chlorinated aliphatic molecules from the process. This as well as the elimination (100%) of chloro sulphonic functional group will increase the product sustainability.
- ❖ Elimination or drastic reduction of bio accumulation will involve increase (70%) in the bio degradability profiles of the molecules used



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- ❖ Increases 30% penetration of the fat into derma, resulting in better performance of the finished product.
- ❖ Fat exhaustion i.e less (30%) product consumption
- ❖ Less (20%) pollutants in bath waste water.
- ❖ Reduction (20%) of water consumption during tanning process.
- ❖ Toxicity reduction of high chlorine in the tanning Cycle (100%)
- ❖ Reduction of tannage waste (reduction of waste management cost by 33%)
- ❖ Reduction of energy consumption by 33%
- ❖ Ecofat Fat liquor provides leather products that complies with standards necessary for leather in terms of Resistance, Tensile strength, Elongation percentage, Contraction, Temperature, Thickness, Feel , Fullness, Non-Yellowing, creases, Grain strength.

