



TECHNICAL DATA SHEET

First Source Worldwide, LLC *Your First Source for quality chemicals and colorants.*

Sortan TFG

: an aldehyde tanning agent for use on leather and fur, with excellent tanning action, and very effective in chrome-free tannages applied to leather and fur.

Rev. 1/18/16

Chemical Nature	Aqueous solution of glutaraldehyde	
Characteristics	pH (as supplied):	~3.7
	Solids:	~50%

Properties

Sortan TFG has excellent tanning action and is very effective in chrome-free tannages applied to leather and fur. This product is also recommended for retanning wet blue in order to obtain leather with a low density and a soft, full handle. It also has a beneficial effect on the washfastness and perspiration resistance of the leather.

Sortan TFG provides soft leather and has good resistance to washing and perspiration. This product is not suitable for white leather as this will induce yellowing of the hides. If white leather is used, we recommended the use of Sortan GD.

We recommend using an automatic metering system to meter this product into the drum. This prevents the distinctive odor from becoming too strong and reduces the contact of personnel with the product.

Other benefits include:

- ✓ Low methanol content
- ✓ Forms a clear solution in water
- ✓ Resistant to electrolytes and compatible with pickling acids, neutral salts and mineral tanning agents
- ✓ Easy to pump



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Application

Sortan TFG is recommended especially for the following applications:

- ✓ Pre-tannages and re-tannages for vegetable-tanned leather
- ✓ Wet white tannages
- ✓ Chrome tannages
- ✓ Re-tannages for chrome-tanned leather
- ✓ Tannages for shrunken-grain leather
- ✓ Tanning chamois and combination chamois
- ✓ Production of automotive leather, has a positive influence on fogging
- ✓ Dressing furs

Should be diluted with water at a ratio of 1:2 – 1:5 before it is applied.

Needs to be applied to the leather at a rate between 0.5% and 4%. A low pH (<3.8) promotes penetration and gives a fine grain, but increasing the pH increases the affinity of the tanning agent for collagen fibers and helps to improve its exhaustion.

It is sufficient to apply very small quantities in order to obtain a substantial improvement in the softness and fullness of chrome-tanned leather and to enhance the fineness of the grain and the leveling of the shade after dyeing. Approx. 0.5% expressed as a proportion of the pelt weight or approx. 1% expressed as a proportion of the shaved weight.

Leather with high washfastness and high perspiration resistance can be obtained by applying up to 4% Sortan TFG, expressed as a proportion of the shaved weight.

In the production of wet white, it is sufficient to apply as little as approx. 1% Sortan TFG expressed as a proportion of the pelt weight. The best results can be obtained by combining Sortan TFG with polymers and syntans.

The astringency of Sortan TFG depends on the pH. The effects that can be obtained with Sortan TFG are determined by the prevailing pH at the point in the process at which it is applied.

Sortan TFG can be applied to pelts at the pickling stage if it is used to pre-tan vegetable-tanned leathers, chrome-tanned leathers, wet white or chamois leather.

We recommend adding Sortan TFG before the leather is neutralized if it is used to retan chrome-tanned leather. There is no need to wash the leather before it is neutralized because the acid left over in the leather from tanning can be used to adjust the pH. In high-exhaustion chrome tannages, we recommend adjusting the pH by adding acid to the float before Sortan TFG is added. This ensures the pH is low enough to prevent the aldehyde from being fixed too early which would cause excessive amounts to be deposited in the outer layers of the skin.



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Application, Ctd.

Advantage can be taken of the high affinity of Sortan TFG for collagen fibers at a high pH in the production of shrunken-grain leathers. Some very interesting textures can be obtained with Sortan TFG especially if it is applied to the untanned pelts, but it also performs well in re-tannages applied to wet blue.

Storage

This product has a shelf life of at least two years if stored in tightly sealed original packaging at room temperature (25°C). Drums should be tightly resealed each time material is taken from them, and their contents should be used up as soon as possible after they have been opened.

Note

Refer to the Safety Data Sheet (SDS) for appropriate safe handling instructions. No known harmful effects when **Sortan TFG** is used in an appropriate manner and for the purpose intended. Carefully observe the precautionary measures and hygienic protection needed when working with chemicals.

The information in this publication is based on our knowledge and experience. Do not assume a legal guarantee on certain properties or suitability for a particular application. Because of the many influences that may occur during handling and use of our products, do not release the processor or handler to perform their own investigations and tests. Everyone who receives our products will be responsible for observing patent rights as well as existing laws and regulations.

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