

## Munitan AL

### Retanning

#### Aluminum Tanning Agent

#### Description

**Munitan AL** is an aluminum tanning agent which can be used for all types of leather.

#### Specification

<b>Appearance</b>	White Powder
<b>Nature</b>	Pure crystallized aluminum tri-formate
<b>pH (1:10 solution)</b>	~4
<b>Solubility</b>	Soluble in cold & hot water
<b>Solid Content, %</b>	96 ± 1
<b>Stability</b>	Precipitation occurs on pH above 4 – 5; compatible with mineral tanning agents; limited compatibility with anionic tanning agents and dyestuffs
<b>Safety</b>	According to the best of our experience, it does not have any harmful effect on health
<b>Packing</b>	25 KG PE Bags
<b>Shelf life</b>	1 year

#### Applications & Recommendations

**Munitan AL** can be used in production of white leathers, fixing dyestuffs and increasing dyeing brilliance.

It also improves nubuck and suede due to good buffability.

If **Munitan AL** is used along with chrome tanning agents in the main tannery stage,

the produced leather will have a very light colour and a very fine flat grain.

- In the retanning based on the shaved weight:  
1-3 % **Munitan AL**
- For increasing the color shade after the fixing with acid:  
0.3-1 % **Munitan AL**
- For fixation of hydrophobic agents:  
2-3 % **Munitan AL**

#### Storage Conditions

The product should be well sealed and must be stored in covered area between 5-25°C. Freezing and direct sun light must be avoided.

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