

# RESISTOL<sup>®</sup> AOL

## synthetic antioxidant auxiliary

Basis:	synthetic high molecular weight antioxidants
Appearance:	clear yellowish liquid
Charge:	nonionic
Active matter:	50 %

### Properties:

**RESISTOL AOL** is a pre-dissolved, easy to handle mixture of alkylated antioxidants and an appropriate solvent, because the antioxidants are an oily liquid, possessing very low water extractability and an excellent miscibility with both natural as well as mineral and synthetic oil-based fatliquors.

**RESISTOL AOL** offers excellent long-term protection against oxidation, thus reducing ageing effects such as yellowing and rancidity.

**RESISTOL AOL** is especially useful in the manufacturing of light coloured leathers involving the use of fatliquors based on unsaturated natural oils such as fish oils or ingredients that are prone to oxidation such as lecithin.

**RESISTOL AOL** also helps to prevent the formation of chrome(VI) and furthermore helps to reduce odour issues.

### Application:

**RESISTOL AOL** is insoluble in water, therefore we recommend blending with fatliquors prior to emulsifying with warm water and adding to the drum. Pre-trials should be performed to establish the mixing ratio required.

**RESISTOL AOL** will support the fatliquor emulsion stability, its distribution and penetration through the leather cross-section.

**RESISTOL AOL** offers the most efficient protection against visible ageing processes when applied in the main fatliquoring process or later. However, in combination with suitable fatliquors

the product can be used at any stage during the leather manufacturing process.

### **Application (cont.):**

Quantities of **RESISTOL AOL** will vary according to required fastness values and fatliquors used.

Recommended application is 0.6 – 2.0% based on the total fatliquor weight (preblended and emulsified in warm water)

For applications in which low emissions (volatile compounds) are not essential, the percentage of **RESISTOL AOL** may be increased considerably.

### **Safety and storage:**

When handling **RESISTOL AOL**, normal safety precautions associated with the handling of chemicals should be observed. For more specific details please refer to our safety data sheets.

**RESISTOL AOL** can be stored for up to 18 months, if temperatures below 5°C and above 40°C can be avoided. On prolonged storage or extremes of temperature **RESISTOL AOL** may exhibit some settlement which can be rectified by either warming and/or stirring the product thoroughly before use.

### **Packaging/Containers:**

Drums: 100 kg

IBC: 900 kg