

## KERIOLAN A2N

<b>Character</b>	Levelling agent for dyeing wool and blends with wool
<b>Chemical character</b>	Polyglycol ether derivative
<b>Appearance</b>	Yellow-brown liquid
<b>Ionic character</b>	Amphoteric
<b>pH-value of a 10 % solution</b>	6.5 - 7.6
<b>Specific weight at 20 °C</b>	1.08
<b>Stabilities</b>	<p>KERIOLAN A2N is stable to the usual concentrations of acids, alkalis, salts and water hardness.</p> <p>The product is slightly sensitive to frost; changes occurring at low temperatures are reversible on warming and after thorough stirring.</p>
<b>Storage</b>	On proper storage in closed original containers, the product is stable for at least 12 months.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

### Properties

Since KERIOLAN A2N controls the absorption rate of the anionic dyestuffs on the wool, a regular bath exhaustion is achieved. The product's retention effect is low and consequently the dyestuffs are absorbed almost completely.

The loose adducts that KERIOLAN A2N forms with the dyestuffs are slowly and uniformly split while the dyebath is heated. The wool dyestuffs may uniformly deposit on the fibre whilst KERIOLAN A2N remains in the bath. Therefore, the so-called draining-effect (also called syrup formation) does not occur. This effect results whenever the levelling agent does not completely harmonize with the dyestuffs. In such case, the dyestuff/auxiliary adduct is not entirely split and deposits on the wool.

While cooling, some of these adducts detach and the dyeing stains. The adducts remaining on the wool are responsible for poor fastnesses of the dyeing.

When using KERIOLAN A2N the fastnesses are not affected.

KERIOLAN A2N has not only the retarding-levelling effect but also increases the dyestuffs' migration within the fiber. Both properties ensure excellent dye levelness.

KERIOLAN A2N has a good dispersing effect and is low foaming.

Whenever wool is dyed with acid, chrome, 1 : 1 and 1 : 2 metal complex dyestuffs, KERIOLAN A2N is a suitable levelling agent.

## **Application technique**

### **Diluting instructions**

KERIOLAN A2N can easily be diluted with cold and warm water.

### **Application proposal**

When dyeing wool  
is applied. 0.5 - 1.0 % KERIOLAN A2N

When dyeing blends of wool and polyamide  
are applied. 1.0 - 2.0 % KERIOLAN A2N

When dyeing blends of wool and polyester, it is worked with  
0.5 - 1.0 % KERIOLAN A2N.

Apart from the levelling effect on the wool dyestuffs, the bath stability of the disperse dyes is favoured. At the same time the wool soiling by the disperse dyestuffs is considerably reduced.

When dyeing blends of wool and polyacrylonitrile  
are used. 0.5 - 2.0 % KERIOLAN A2N

In such case, KERIOLAN A2N levels the woollen portion and also acts as anti-precipitant.

In one-bath dyeing methods, i.e. if anionic and cationic dyestuffs are applied at the same time, the stability of the dyebath is ensured.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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