

## SARAPOL DLN

<b>Character</b>	Dyeing accelerator for dyeing PES/WO under atmospheric conditions
<b>Chemical character</b>	Mixture of aromatic esters and hydrocarbons
<b>Appearance</b>	Brown liquid
<b>Ionic character</b>	Anionic
<b>pH-value of a 10 % solution</b>	8.0
<b>Specific weight at 20 °C</b>	0.92
<b>Stabilities</b>	<p>SARAPOL DLN is well stable to alkali, acid, electrolyte, hard water and auxiliaries usually applied in PES-dyeing.</p> <p>The product is sensitive to frost to a limited extent; changes occurring at low temperatures are reversible on warming and after good stirring.</p>
<b>Storage</b>	On proper storage in closed original containers, the product is stable at least 12 months.

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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

SARAPOL DLN is a diffusion accelerator free of APEO.

SARAPOL DLN has:

- good emulsion stability and therefore no inclination to stain formation
- good levelling performance, thus suitable dye streaky material
- little soiling of the wool using suitable disperse dyestuffs when dyeing PES/wool blends at 98 - 120 °C (with wool protecting agents)
- admissible emission degree
- good elimination in biological sewage treatment plants

### Application technique

#### Diluting instructions

SARAPOL DLN can easily be emulsified by pouring 3 to 4 times its amount of warm water (60 - 80 °C) over it while stirring. The stock emulsions thus obtained can still be used after long standing times. In the case of sedimentations, briefly stir prior to use.

## Fields of application

SARAPOL DLN is a diffusion accelerator mainly used for dyeing PES/WO, under atmospheric conditions. Apart from a good levelling effect, SARAPOL DLN provides a better bath exhaustion of the disperse dyes especially in case of very dark shades at 98°C.

On dyeing PES/ WO articles SARAPOL DLN allows a good colour build-up with selected dyes on the PES-part.

The product is also suitable to level out unlevelled PES dyeings at temperatures of 130°C with 3 g/l.

## Application proposal for PES/ WO dyeings

The application amounts of SARAPOL DLN depend on the material to be dyed, the liquor ratio and the dyestuff. The following amounts can be taken as guiding values, liquor ratio 1:10

at 98 °C dark shades	
	3,0 - 4.0 g/l SARAPOL DLN
at 98 °C bright shades	
	0.5 - 1.0 g/l SARAPOL DLN

**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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