

## SARABID TS 300

<b>Character</b>	Low-foaming and sustainable washing, dyeing, aftertreatment of polyester
<b>Chemical Structure</b>	Mixture of ethoxylates
<b>Appearance</b>	Light yellow, clear liquid
<b>Ionic character</b>	Non-ionic
<b>pH-Value of a 10 % solution</b>	Approx. 5.0 - 7.0
<b>Specific weight at 20 °C</b>	1.0
<b>Stabilities</b>	<p>SARABID TS 300 is well stable to hard waters and chemicals normally used for polyester dyeing.</p> <p>The product is sensitive to frost to a certain extent; changes occurring at low temperatures will disappear after warming up and stirring thoroughly.</p>

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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

SARABID TS 300 is recommended for washing, dyeing and aftertreatment of PES.

SARABID TS 300 stands out for its very good emulsifying, levelling and migration capacity. It promotes the fine distribution and migration of the dispersion dyestuffs during the entire temperature range and in this way prevents dyestuff agglomerations.

The dyestuff affinity of SARABID TS 300 allows for an even absorption of the dyestuffs and thus leads to even dyeings.

The light fastnesses of polyester dyed with SARABID TS 300 are not affected.

SARABID TS 300 is low-foaming and is therefore very suitable for application on Jets and overflow machines.

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### Application technique

#### Diluting instructions

SARABID TS 300 is diluted with cold water prior to adding to the treatment baths.

## Fields of application

SARABID TS 300 can be applied on all common dyeing devices and machines for washing, dyeing and aftertreatment of polyester.

Uneven dyeings can be evened out with SARABID TS 300 under HT conditions. Too dark dyeings can be brightened to a certain extent by using higher application quantities.

SARABID TS 300 also evens out anionic soluble dyestuffs. It is therefore successfully applied also for fibre mixtures of polyester with wool, cellulose fibres or polyamide.

No additional dispersing agent is normally needed for any dyeing process because SARABID TS 300 fulfills all levelling and dispersing requirements.

## Recommendation for Use

The application quantities of the product are as follows in general:

- 0.5 - 1.0 g/l SARABID TS 300 for medium and dark colours
- 1.0 - 2.0 g/l SARABID TS 300 for light colours, washing and aftertreatment

Dyeing: The predissolved product is added together with the other chemicals to the dyeing bath having a temperature of 50 to 60 °C. The dispersion dyestuffs are added after a short prerun and then the bath is heated up to 80 - 90 °C. After reaching this temperature, the dyeing temperature is increased by 1.5 °C/min up to 130 °C. The dyeing time depends on the colour depth and is approximately

- 20 - 30 min for light dyeings
- 30 - 45 min for medium and dark dyeings.

Completion is done as usual.

**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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