



TC-Dispergator DTS

Highly efficient dispergator for dyeing polyester and its mixtures; especially suitable for dyeing cross-bobbins



Properties and Advantages of TC-Dispergator DTS

- ✓ **Transparent, clear liquid**
- ✓ **pH-value approx. 6**
- ✓ **Density approx. 1.0 g/cm³**
- ✓ **Dissolves well in cold water**
- ✓ **Compatible with anionic, nonionic and cationic auxiliaries**
- ✓ **Resistant against hardness formers, acids, alkalines and electrolytes**
- ✓ **APEO-free**
- ✓ **Low-foaming**
- ✓ **Jet-capable**
- ✓ **Very good dispersion effect on disperse-dyes**
- ✓ **Levelling effect**
- ✓ **Dispersing of oligomers**

Composition

Preparation of polyglycol ether derivatives

Ionogenicity

Nonionic

Application areas

TC-Dispergator DTS is a new dispersion agent with levelling properties in dyeing polyester fibres and their mixtures under HT conditions.

TC-Dispergator DTS considerably improves the dispersion stability of disperse-dyes in the acidic medium and is therefore specifically suitable for dyeing cross-bobbins of polyester fibres. Use of TC-Dispergator DTS clearly increases the solubility of disperse-dyes and thus reduces the tendency to develop unevenness and precipitation on the goods. Due to this, TC-Dispergator DTS is specifically used in dyeing with very short liquor ratio.

TC-Dispergator DTS acts dye-affine and keeps dispersion stable, even at strong turbulences and high shear forces, e.g. in jet dye machines.

TC-Dispergator DTS also shows oligomer dispersing properties. Therefore the, use of TC-Dispergator DTS is also recommended in reductive cleaning.

Application

Solving recommendation

TC-Dispergator DTS will be pre-solved with two or three times the volume of water and then added to the application bath.

Usage volumes

The amount of TC-Dispergator DTS depend on dyeing procedures, dye concentrations and liquor ratio.

1. Discontinuous – yarn/flock:	light nuances	2.0 – 3.0 g/l
	dark nuances	1.0 – 2.0 g/l
2. Discontinuous – jet:	light nuances	2.0 – 3.0 g/l
	dark nuances	1.5 – 2.5 g/l
3. Discontinuous – HT-beam:	light nuances	1.5 – 3.0 g/l
	dark nuances	1.0 – 2.5 g/l
4. Continuous:		2.0 – 3.0 g/l

Lab dyeing with TC-Dispergator DTS





Storage

With appropriate storage in closed original containers this product can be stored for at least 6 months. The product solidifies at longer storage below 0 °C but can be used after intensive stirring and thawing without any restrictions. The product shall not be stored at temperatures above 40°C as the product can be damaged irreversibly.

For further notes on safe handling, see the safety data sheet!

The recommendations and information in word and text on our products here are based on comprehensive research work and correspond to our current experience from textile refinement. The information is deemed non-committal – also regarding property rights of third parties and foreign legal provisions - and shall not release the user from testing products and procedures for suitability for his use directly. In particular, we assume no liability for any purposes not expressly named by us in writing. We reserve technical changes in the scope of new product developments. We refer to our general sales and delivery conditions, item 7, in case of damage.



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