

**The excellent  
wetting and deterging agent  
for cellulosic fibers:**

# TISSOCYL 4P



## **P**ower:

- good wetting properties
- even and quick penetration of textile goods
- smooth and trouble-free loading and running
- increases safety and reproducibility of production process

## **P**urity:

- very good detergency and emulsifying power
- removes oily and greasy impurities as well as sizing agents
- results very good re-wetting properties of cotton after peroxide bleaching

## **P**erformance:

- very low foaming above 40°C
- high stability of product and application liquor
- suitable for short-liquor units
- no risk of separations in machines with high liquor turbulence

## **P**umpable:

- liquid formulation
- no gelling
- suitable for all kinds of automatic dispensing equipment



**ZSCHIMMER & SCHWARZ  
MOHSDORF GmbH & Co KG**



Textile Auxiliaries Division

## Emulsifying power:

## Re-wetting behaviour:



TISSOCYL 4P is able to emulsify mineral oils and also paraffin in an optimum way. TISSOCYL 4P increases the rewetting power of cotton goods.

## Characteristics:

- ✓ nonionic detergent
- ✓ good resistance to oxidative and reductive bleaching agents
- ✓ very good compatibility to enzymes
- ✓ stable to alkali up to 20 g/l NaOH (flakes)
- ✓ for all-round application, reduces storekeeping

## TISSOCYL 4P is suitable for:

- ✓ discontinuous pre-treatment of cotton and cotton / synthetics like enzymatic desizing, acid demineralizing and hydrogen peroxide bleaching
- ✓ OPTABLEACH process with OPTAVON 4UD
- ✓ continuous pre-treatment of cotton and mixtures with synthetics
- ✓ discontinuous and continuous pre-treatment of all synthetic goods (washing and desizing)