# The excellent wetting and deterging agent for cellulosic fibers:

## **TISSOCYL 4P**



Power:

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

Purity:

Chemnitztalstraße 1

- · 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

Performance:

- 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

Pumpable:

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



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mineral oil:



#### **Emulsifying power:**

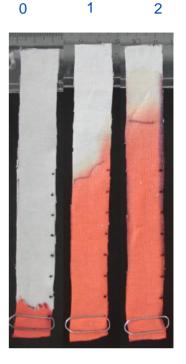
#### **Re-wetting behaviour:**

0) without detergent

1) standard product with insufficient properties as reference



paraffin:



2) TISSOCYL 4P

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)