

# KAPPASOFT SO

## Nonionic softener

Chemical composition	fatty acid derivative
Appearance	yellowish, wax-like flakes
pH-value 20 °C	3 - 6 (20 %)
Ionic charge	nonionic

### Function

KAPPASOFT SO is a highly concentrated softener and suitable for all types of fibres.

#### KAPPASOFT SO

- gives softness and elasticity.
- is low foaming.
- causes no yellowing of the fibre material even at high temperatures.
- has a good evaporation resistance under condensation conditions.
- is compatible with optical brighteners, dyes and finishing agents.
- is suitable as additive for resin finishing liquors.

### Application

KAPPASOFT SO can be applied as

- finishing agent for all making-ups of textile material and in all application processes.
- softening component in resin finishing.
- crease preventing agent in all bleaching and dyeing processes even under high temperature conditions.

#### Recommended application levels:

##### Exhaustion process

- 1 – 3 % KAPPASOFT SO (of stock solution 20 %)
- Treatment time: 10 – 20 minutes
- Temperature: 30 – 40 °C
- pH-value: 5 – 6, adjust with acetic acid

##### Padding process

- 10 – 30 g/l KAPPASOFT SO (of stock solution 20 %)

### Dilution instruction

#### Preparation of stock solution (20 %):

When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 17, 2022, not subject to systematic change.

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- Heat water at 90 °C and add stepwise KAPPASOFT SO
- After addition of the product, keep the temperature at 85°C during stirring.
- Stir until the product is completely emulsified. First, it gives a high viscous emulsion.
- Cool down the temperature and continue stirring to prevent the formation of a skin.
- By adding of approx. 0.3 % acetic acid 60 %, the emulsion will become slightly viscous.
- Filter the product in order to eliminate solid particles.

## Storage

KAPPASOFT SO remains stable for at least 1 year if stored properly in a tightly closed original container.