

## CEFASOFT NI

**AEEA-free, non-yellowing softener for all fibres compatible with optical brighteners and high-grade finishing products**

### Chemical composition

fatty acid condensation product

### Characteristics

Appearance:	white emulsion
Ionicity:	non-ionic
Solubility/Emulsifiability:	dilutable with cold or warm water in all proportions
pH-value (original):	6,5 to 8
Resistance:	compatible with non-ionic, cationic and anionic substances as well as with high-grade finishing products and corresponding catalysts; resistant to organic and inorganic acids, alkalis and hydrogen peroxide, sodium chlorite and sodium hypochlorite in usual concentrations and to hard water
Storage:	at least 12 months if properly stored
Stability to frost:	sensitive to frost - do not store below 2°C

### Application properties

CEFASOFT NI is suitable for softening all kinds of textiles. The following special features should be pointed out:

- free of AEEA
- soft and bulky touch
- non-yellowing, suitable for white and coloured goods
- easy to handle, pumpable because of its liquid consistency
- resistant to shearing and low foaming, applicable in machines with high liquor turbulences
- excellent suitability for use as a raising softener for cellulose fibres and polyamide
- no yellowing on denim articles
- no influence on the light fastness and the shade
- good resistance to sublimation and to high temperatures
- applicable for softening of goods provided for printing
- very well suitable for use as an additive to filling and stiffening finishes
- free of silicone

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.

## CEFASOFT NI

### Application fields

CEFASOFT NI can be universally applied to all kinds of fibres. The product is applied both by padding and by the exhaust method. It imparts to the goods a pleasant, soft touch and improves the sewability of knitwear. Further, CEFASOFT NI facilitates raising and pile lifting processes of piece goods made of natural and synthetic fibres.

A marked feature is the good resistance to high temperatures and to sublimation. The product has no tendency to yellowing even at high temperatures during drying, curing and thermo setting! The yellowing resistance is good also in case of contact heat.

CEFASOFT NI is compatible with optical brighteners, high-grade and other finishing products.

The softener can be added to alkaline peroxide bleaching liquors, such as chlorite and hypochlorite bleaching baths, in order to avoid a possible embrittlement of the goods.

The product is also suitable for softening of goods which are provided for pigment and transfer printing where the handle of the printed goods is substantially improved. It is also possible to add CEFASOFT NI directly to the printing paste

### Guidelines for application

We recommend to dilute CEFASOFT NI with the same amount of cold or warm water before it is added to the liquor.

Depending on the desired effect, we suggest the following quantities:

**Exhaust method:** 1.5 - 3% CEFASOFT NI

pH 4.0 - 5.0 acetic acid

40 - 50°C; 20 minutes

**Padding:** 10 - 30 g/l CEFASOFT NI

A final evaluation of the touch should be done not before one to two days after the treatment since the textile material needs conditioning time (residual moisture) for showing the full effects of a non-ionic softener.

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