

ADULCINOL SIV

**Universally applicable, cationic softener
for all fibre types and every presentation of the textile goods**

Chemical composition

combination of fatty acid condensation product and silicone derivatives

Characteristics

| | |
|-----------------------------|--|
| Appearance: | white emulsion |
| Ionicity: | cationic |
| Solubility/Emulsifiability: | dilutable with cold and warm water in all proportions |
| pH-value of 10% emulsion: | about 4 |
| Resistance: | compatible with non-ionic and cationic substances; resistant to organic acids in usual concentrations as well as 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

ADULCINOL SIV is suitable for softening all kinds of textiles. The following special features should be distinguished:

- imparts a very soft, voluminous touch specifically to open end spun yarns
- confers excellent stitchability properties to knitted goods
- due to good lubricating properties, applicable as a raising softener and for improving the running properties of yarns
- easy to handle; pumpable because of the liquid consistency
- shear resistant and low-foaming, applicable in machines with high liquor turbulences
- applicable by spraying technique (e.g. WEKO systems)
- high yellowing resistance, suitable for white and coloured goods
- imparts antielectrostatic effects to all kinds of fibres
- practical experience shows no influence on the light fastness and the shade
- very well suitable for use in downproof finishing

Application fields

ADULCINOL SIV provides excellent handle effects on cotton, polyester, polyamide and polyacryl nitrile.

A special feature to be distinguished is the outstanding soft handle that obtain open end spun materials from the application of ADULCINOL SIV ensuring a good sewability at the same time.

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

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Guidelines for application

The softener is preferably applied by exhaustion process within a weakly acidic pH range. Due to its high substantivity, ADULCINOL SIV shows good results even in long liquor ratios and at low levels of application.

The application by padding is also possible requiring a pH value of about 6 to 7 in order to prevent an accelerated exhaustion of the softener.

We recommend to dilute ADULCINOL SIV with an equal amount of cold or warm water before it is added to the liquor.

Depending on the desired effect, the following quantities are suggested:

exhaust method: 1.5 to 3.0% ADULCINOL SIV
 pH 4.0 to 5.0 acetic acid
 40 - 50°C; 20 minutes

padding: 10 - 30 g/l ADULCINOL SIV
 pH 6.0 to 7.0

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