SHUNSOFT CKI
Lubricating Softener

SHUNSOFT CKI can be used for smoothening of weaving and knitting yarns and for wool tops. The use of SHUNSOFT CKI reduces the fibre/metal- and fibre/fibre-friction by nearly 50% compared to untreated material. Good exhaustion properties of SHUNSOFT CKI lead to high exhaustion rates (up to 90% and more) and good distribution on the bobbin. SHUNSOFT CKI may also be applied on knitted goods to improve the sew ability.

PRODUCT FEATURES

- gives high surface smoothness
- gives soft, supple handle
- has antistatic effects
- is substantive
- low foaming
- stable against high liquor turbulence
- thermos table
- not affecting dyeing fastness
- is “AEEA” free
COMPOSITION

Dispersion of hydrocarbons and fat derivatives

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Ionic nature</th>
<th>mild cationic</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>slightly beige</td>
</tr>
<tr>
<td>Consistency</td>
<td>liquid</td>
</tr>
</tbody>
</table>

APPLICATION

Substrate yarns made of CO, WO, PAC and their blends and wool tops Aggregate all kinds of dyeing machines, backwashing machine Operation softening of fibers and yarns, and knitted goods Dissolving method dilatable in water in any ratio

Guide recipe
Exhaustion method

1.5 - 3.0 % SHUNSOFT CKI

pH: 4.5 - 5.5
time: 15 - 30 minutes temperature: 50 - 60 °C

Padding method

20 - 40 g/l SHUNSOFT CKI Drying
Usual drying temperatures.
Dosage: Fully flooded HT-dyeing machine a) addition via dosage pump
b) addition via dissolving tank

Short liquor dyeing machine dosage via dissolving tank
Open dyeing and after treatment unit

direct addition of the product after material carrier has been entered

Rebeaming process

2 - 3 % (weight of fabric) Overdyeing / shading
already applied softener has to be washed off by 2 g/l FORYL LFO (20 min, 70 °C), afterwards rinsing and re-dyeing

Tops

backwashing machine: 12 g/l SHUNSOFT CKI
pick-up: 50 %

HANDLING AND STORAGE

Storage stability at least 12 months
Storage and transport Storage and transport NOT UNDER (°C) 0
Otherwise product is no longer usable

Further remarks References to measures in case of accidents and fires as well as further information about ecology, toxicology, transport and storage are given in the separate Material Safety Data Sheet.