



**COLORIQ**  
The Chemistry Behinds...

## **COLORSOFT KV**

Premium specialty hydrophobic silicone softener for superior softness.

### **Product Information**

All natural fibres are associated with some oily, fatty or waxy substances in the raw state. These substances give a soft feel to the fibre. However, on scouring and bleaching the material, these waxy substances are removed and the material becomes harsh. It is therefore necessary to apply some softening agent to the textile so as to impart softness, smoothness, fullness, suppleness, and flexibility.

Silicone softeners are macromolecules comprised of a polymer backbone of alternating Silicon and Oxygen atoms with organic groups attached to Silicon. Silicone's softening capability comes from the siloxane backbone's flexibility and its freedom of rotation along the Si-O bonds.

Colorsoft KV is new generation hydrophobic silicone emulsion that imparts excellent softness to all types of woven and knitted fabric with significantly less yellowing of fabric. The nature this silicone softener allows it to good surface finish with good bounce finish.

### **FEATURES**

- Provides soft handle with an excellent surface smoothness.
- Negligible yellowing compared to conventional amino silicones.
- Can be applied by exhaust as well padding methods.
- Stable to hard water.
- Softness is durable to launderings.

- 🌱 No shade change on coloured fabric.
- 🌱 Acid, Alkali & Shear stable.
- 🌱 Ecological as it is free from APEO.
- 🌱 Partially shear stable.
- 🌱 Does not affect fastness properties of dyed fabrics.

## PROPERTIES

Appearance -----> Clear colourless to pale yellow emulsion

Ph 1% -----> approx.6.0

Ionic nature -----> Non-ionic

Compatibility with

Cationics -----> Good

Anionics -----> Good

Non-ionics -----> Good

Stability to hard water -----> Good

## DOSAGE & APPLICATIONS

Padding method:

5-15 g/l      Colorsoft KV

pH              5.0-6.0

Temp.          30-40 deg

Exhaust method:

0.5-1.5%      Colorsoft KV

pH              5.0-6.0

Temp.          30-40 deg



## CAUTION

- 🌿 In case of skin contact, wash with plenty of water.
- 🌿 In case of eye contact, wash with plenty of water and seek medical advice.

## PACKING MATERIAL

50KG BAG PACKING.

### The storage guidelines for the product

#### 1.Storage Conditions:

- 🌿 Store the product in its original container.
- 🌿 Keep it in a dry, dust-free location at temperatures below 50°C.

#### 2.Ventilation and Compatibility:

- 🌿 Ensure the storage area is well-ventilated.
- 🌿 Keep the product away from incompatible materials (as specified in the Material Safety Data Sheet) and food items.

#### 3.Container Handling:

- 🌿 Seal the container tightly after each use.
- 🌿 Avoid pouring unused material back into the container.

#### 4.Shelf Life:

- 🌿 The product remains usable for at least 24 months from the date of manufacture.

## WORK

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