



COLORIQ
The Chemistry Behinds...

COLORSOFT CWS FLAKES

Cold water-soluble cationic softener for all kind of fabrics.

Product Information

All natural fibers are associated with some oily, fatty or waxy substances in the raw state. These substances give a soft feel to the fiber. 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.

Softener is defined as ‘an auxiliary that when applied to textile material improves its handle with more pleasing to touch’. Softness is generally achieved by reducing the coefficient of friction between the fibers, filaments and yarn. Since the major function of softener is that of a lubricant rather than a plasticizer, the modulus of the fiber is not affected.

Colorsoft CWS flakes is excellent cold water dissolving softening agent designed for application to all the natural fibres by exhaustion, padding or spraying techniques.

FEATURES

- Provides soft handle with an excellent surface smoothness.
- Very low yellowing
- Durable to launderings.
- Stable to hard water.
- No foaming

- Minimal shade change on coloured fabric.
- Compatible with silicones.
- Ecological as it is free from APEO, nitrogen and phosphorous.

PROPERTIES

Appearance -----→ Off-white flakes

Ph 1% -----→ approx.5.0

Ionic nature -----→Cationic

Compatibility with

Cationics -----→ Good

Anionics -----→ Poor

Non-ionics -----→ Good

Stability to hard water -----→ Good

Resins -----→ Good

Stability to temperature -----→Good(upto70deg)

DOSAGE & APPLICATIONS

It is recommended to prepare stock solution of 10-20% before use. Don't keep the stock solution for prolonged period. It should be used within 8 hrs of its preparation. Colorsoft CWS flakes can be dissolved in cold water but higher the temperature (upto 60 deg), more quickly will be the dissolution. Continuous stirring is required while dissolving the flakes. After complete dissolving, cool down under stirring.

Exhaust method:

1-3% Colorsoft CWS flakes stock solution 10%

0.2-0.3% Coloracid CN liquid for pH : 5.0

Temp. 35-40 deg

Extract water and dry at 110-130 deg without rinsing process

Padding method:

10-30 g/l Colorsoft CWS flakes stock solution 10%

0.2-0.5 g/l Coloracid CN liquid for pH : 5.0

Temp. 20-30 deg

Liquor pick up of 60-90%

Drying at 110-130 deg for 1-3 mins

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

Email: kavin@coloriq.org

Ph no: +91-9500325253

No.72, SKC Road, opposite to Rubeen bags, Erode-638001.



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