



COLORIQ
The Chemistry Behinds...

COLORSOFT NIS FLAKES

Non-ionic softener for whites compatible with OBA's and resins

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.

Non-ionic softeners are characterized by their excellent stability against yellowing and good tolerance of catalysts used in resin finishing. Also they do not have any effect on the shades of dyestuffs.

FEATURES

- Provides soft handle with an excellent surface smoothness.
- No yellowing
- Is free from any tendency of yellowing at high drying and curing temperatures; therefore suitable for use in resin finishing of white goods.
- Stable to hard water.
- Low foaming
- No shade change on coloured fabric.
- Compatible with silicones & OBA's.
- Ecological as it is free from APEO, nitrogen and phosphorous.

PROPERTIES

Appearance -----→ White pourable Liquid/ Flakes

Ph 1% -----→ approx.7.0

Ionic nature-----→ Non-ionic

Compatibility with Cationics -----→ Good

Anionics -----→ Good

Non-ionics -----→ Good

Stability to hard water -----→ Good

Stability to temperature -----→ Good

DOSAGE & APPLICATIONS

STOCK SOLUTION

It is recommended to prepare stock solution of 20% before use. Don't keep the stock solution for prolonged period. Colorsoft NIS 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. Being non-ionic in nature, we recommend application by padding method only.

Padding Process:

10-50g/l Colorsoft NIS flakes stock solution 20%

pH 6.0-7.0

Temp. 30-40 deg

Liquor pick up of 80%

Drying at 110-130 deg

Exhaust method:

1.0-5.0% Colorsoft NIS flakes solution 20%

pH 6.0-7.0

Temp. 30-40 deg

Drying at 110-130 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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