



COLORIQ
The Chemistry Behinds...

COLORCLEAN AIO

Low foaming all in one speciality product for pre-treatment in powder form.

Product Information

Cotton is based on 85-90% of cellulose and the remaining portion consists of impurities such as fats, waxes and organic compounds. Fiber materials in the form of textile fabrics, for example woven or knits, especially cotton fabrics, normally have to be subjected to a pre-treatment before they are dyed. One purpose of the pre-treatment is to ensure trouble-free uniform dyeing. Ensuring that the fabric is well prepared involves removal of the natural and man-made impurities present in the greige fabric.

COLORCLEAN AIO is a very low foaming speciality product for pre-treatment of cotton yarn, cotton knits, terry towels and their blends available in powder form. Due to its unique formulation, it acts as a detergent and peroxide stabiliser and also no caustic is required during bleaching. Thus, combined scouring and bleaching can be carried out using only peroxide along with COLORCLEAN AIO. As caustic is not added during bleaching the total dissolved solids (TDS) of effluent will be low. Due to low foaming characteristic, it is suitable for soft flow machines as well as low liquor ratio package dyeing machines and jet dyeing machines.

FEATURES

- Excellent detergent and peroxide stabilizer and good cleaning action.
- No caustic used in the process because of that lower degradation and weight loss of treated fabric.
- Stable at high temperature.
- Combined scouring and bleaching can be carried out at high temperature.
- It is low foaming so suitable for soft flow and jet dyeing machines
- Eco-friendly having low chemical oxygen demand (COD) of effluent and also low TDS in effluent.

PROPERTIES

Appearance -----→ Off white to white granules.

pH 1% -----→ approx.13.00

Ionic character-----→ Anionic

Anionics -----→ Good

Non-Ionics -----→ Good

Stability to hard water-----→ Good

Stability to hard water-----→ Good (up to 40g/l)

Stability to temperature-----→ Good

DOSAGE & APPLICATIONS

Recipe for RFD fabric (Ready for Dyeing fabric):

- COLORCLEAN AIO: 1.5 - 2.0 %
- Hydrogen peroxide (50%): 2 - 2.5%
- Temperature: 95 - 110°C
- Time: 45 - 15 min

Recipe for Full white fabric:

- COLORCLEAN AIO: 2.0 - 2.5 %
- Hydrogen peroxide (50%): 6.0 - 8.0 %
- Temperature: 95 - 110°C
- Time Note: 75 - 30 min

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

25KG 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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