



A Khatau Enterprise

INDOCLEAN™ AIO POWDER

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

INTRODUCTION

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 pretreatment before they are dyed. One purpose of the pretreatment 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.

Indoclean™ AIO Powder is a very low foaming speciality product for pretreatment 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 Indoclean™ AIO Powder. 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. 13.0
Ionic character	Anionic
Compatibility with	
Anionics	Good
Non-ionics	Good
Stability to hard water	Good
Stability to alkali	Good (upto 40g/l)
Stability to temperature	Good

APPLICATION

For Soft flow machine:

1. Recipe for RFD fabric (Ready for Dyeing fabric):

INDOCLEAN™ AIO POWDER : 1.5 - 2.0 %

INDOWET NWA CONC : 0.1 – 0.3%

Hydrogen peroxide (50%) : 2 - 2.5%

Temperature : 95 - 110°C

Time : 30 – 45 min

2. Recipe for Full white fabric:

INDOCLEAN™ AIO POWDER: 2.5 - 3.5 %

INDOWET NWA CONC: 0.1 – 0.3 %

Hydrogen peroxide (50%): 6.0 - 8.0 %

Temperature : 95 - 110°C

Time : 60 - 75 min

Note:

For high GSM fabric, 0.1 % INDOWET NWA CONC is recommended.

STORAGE AND HANDLING

Precautions for safe handling	Do not eat, drink or smoke while handling the product.
Conditions for safe storage	Store in a cool, dry & ventilated area away from the sources of heat.
Shelf Life	6 months.

Note: Kindly refer SDS for further information on Safety precautions, Storage & Handling.

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The information and recommendations presented here were based on our general experience and correspond to the state of our knowledge. They are intended to service as non-binding guidelines and must be adapted to the prevailing conditions. We cannot accept liability for any injury, loss or damage resulting from reliance upon such information.