

## **INDOCLEAN™ JET-XL New**

**High Performance Detergent having excellent wetting and rewetting properties for Continuous bleaching process**

## **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™ JET-XL New is a **Zero foaming** wetting agent and detergent for all types of fibres. It is a biodegradable, APEO and solvent free wetting agent and detergent with an emulsifying and dispersing action for scouring and bleaching as well as removing mineral oil contamination.

The product is primarily suitable for the continuous treatment of all types of fibres and their blends, not recommended in machines with high liquor turbulence and can cause foaming problems.

## **FEATURES**

- Excellent scouring agent with rapid wetting action and high cleaning power.
- Removes mineral oil contamination and sizing agents and imparts excellent cleanliness and good absorbency to the material
- Exhibits good compatibility with all enzymes
- Good pH stability and therefore a wide application spectrum, e.g. in scour boiling, bleaching, protonic treatments, bio washing etc.
- Stable in liquors with upto 40g/l caustic soda solid (ca.6°Bé)
- Low foaming
- Ecological as it is free from APEO, nitrogen and phosphorous

## **PROPERTIES**

Appearance	Colourless viscous liquid
pH (1%)	Approx. 7.0
Ionic character	Non-ionic
Compatibility with	
Cationics	Good
Anionics	Good
Non-ionics	V.Good
Stability to hard water	Good
Stability to alkali	Good (upto 40g/l)
Stability to temperature	Good

### Sample Recipe for Pretreatment

#### Protonic pretreatment (Liquorratio1:10)

Add chemicals preferably at 40°C

0.3 – 0.5 ml/l	<b>Indoclean™ JET- XL New</b>
1 ml/l	Indoquest™ DM liquid

Heat to 60°C. Treat for 20 minutes at 60°C. Drain.

#### Scouring & Peroxide bleach (Liquorratio1:10)

Add chemicals preferably at 40°C

0.5 – 1.0 ml/l	Indoquest PBS liquid
0.3 – 0.5 ml/l	<b>Indoclean™ JET-XL New</b>
0.75 – 2 ml/l	Indolube AC liquid
1 - 2 g/l	caustic soda Flakes
3 – 4 ml/l	Hydrogen peroxide 50%
0.3 – 0.8 ml/l	Indostab™ SIF liquid

Heat to 98°C.

### Desizing (Continuous Process)

0.3 – 0.5 ml/l	<b>Indoclean™ JET- XL New</b>
1.0 – 2.0 ml/l	Indoquest™ DM Conc.
2.0 – 3.0 ml/l	Indozyme BIO-DS Conc.

Pad with 60-70% expression. Steam for 10-15 minutes at 90-95°C.

### Bleaching (Continuous Process)

0.3 – 0.5 ml/l	<b>Indoclean™ JET-XL New</b>
0.75 – 2.0 ml/l	Indoquest DM Conc.
1.0 – 2.0 ml/l	Indolube AC Liquid
15.0 – 20.0 g/l	Caustic soda Flakes
35.0 – 50.0 ml/l	Hydrogen peroxide 50%
8.0 – 10.0 ml/l	Indostab WAN liquid

Pad with 60-70% expression. Steam for 10-15 minutes at 102°C.

Hot wash at 80°C for 10 min. Then cold wash with 0.5 ml/l Indoacid CN Liquid for 10 min

## **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.

## **CORPORATE OFFICE**

Khatau House, PlotNo.410/411, Mogul Lane, Mahim (West), Mumbai-400016, India

Tel: 91-22-61236767 Fax:91-22-61236718

Email: [contact@indokem.co.in](mailto:contact@indokem.co.in)

Website: [www.indokem.co.in](http://www.indokem.co.in)

## **WORK**

Plot No. W (128), Chikhloli MIDC, Ambarnath (West), Pin code-421 505, Maharashtra, India

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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.