



A Khatau Enterprise

**INDOSOFT™ MMT**

**Premium specialty hydrophilic & moisture management  
silicone softener for polyester & polyester blends with  
superior softness**



## **INTRODUCTION**

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

Silicone softeners are macromolecules comprised of a polymer backbone of alternating Silicon and Oxygen atoms with organic groups attached to Silicon. Silicone's softening capability comes from the siloxane backbone's flexibility and its freedom of rotation along the Si-O bonds.

Indosoft™ MMT is once such hydrophilic silicone softener that imparts excellent softness along with absorbency to natural fibres and mainly terry towels with almost non- yellowing property. The nature of this polymer imparts excellent hydrophilicity to terry towels.

## **FEATURES**

- Provides soft handle with excellent moisture management property as well as surface smoothness to polyester & polyester blend fabrics
- Negligible yellowing compared to conventional amino silicones
- Can be applied by exhaust as well padding methods.
- Stable to hard water
- Softness is durable to launderings
- No shade change on colored fabric
- Acid, Alkali & Shear stable
- Ecological as it is free from APEO
- Partially shear stable
- Does not affect fastness properties of dyed fabrics



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## **PROPERTIES**

Appearance	Slight hazy viscous liquid
pH	Approx. $6.0 \pm 1$
Ionic nature	Non-ionic
Compatibility with	
Cationics	Good
Anionics	Good
Non-ionics	Good
Stability to hard water	Good

## **APPLICATION**

### **Padding method**

10-30 g/l	Indosoft™ MMT
pH	Approx. 6.0
Temp.	30-40°C

### **Exhaust method**

1-3%	Indosoft™ MMT
pH	Approx. 6.0
Temp.	30-40°C
Time	15min



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## **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**

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## **WORK**

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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.