



A Khatau Enterprise

INDOSOFT™ HYS CONC

**Hydrophilic silicone softener for soft handle and
excellent absorbency**



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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.

Traditional silicones (amino functional) generally cause the fabric to become extremely hydrophobic. Moreover, they also make the fabric more yellowing. Indosoft™ HYS Conc is organo-functional silicone softener specifically designed for providing excellent hydrophilicity to all types of natural and blended woven and knitted fabrics, with exceptional inner softness and bouncy feel on outer surface. It delivers increased breathability, moisture absorption and antistatic properties to the fabric.

Indosoft™ HYS Conc 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 excellent softness with desired hydrophilicity to terry towels.
- Negligible yellowing.
- Can be applied by exhaust as well padding methods.
- Durable due to its reactive group.
- No shade changes on coloured fabric.
- Provides high whiteness retention.
- Ecological as it is free from APEO



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PROPERTIES

Appearance	Clear colourless to slight hazy emulsion
pH	approx.5.0
Ionic nature	Non-ionic
Compatibility with	
Cationics	Good
Anionics	Good
Non-ionics	Good
Stability to hard water	Good

APPLICATION

Padding method

10-20 g/l	Indosoft™ HYS Conc
pH	Approx. 6.0
Temp.	30-40°C

Exhaust method

1-2%	Indosoft™ HYS Conc
pH	Approx. 6.0
Temp.	30-40°C



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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

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

Website: www.indokem.co.in

WORK

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

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.