TUSI HAYTHAM
BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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SOFICA™ N Series – SOFICA NS 100

Nonionic Softener
Manufacturer: Tusi Haytham Bio Limited

Product Description:

SOFICA NS 100 is a nonionic textile softener designed to impart a soft, smooth, and natural hand feel to fabrics. It is suitable for cotton, polyester, blends, and delicate fibers, providing improved drape, lubricity, and softness without affecting the fabric appearance.
Ideal for use in finishing, washing, and post-dyeing treatments.

Key Performance Properties:

- **Provides a soft, smooth, and pleasant hand feel.**
- **Nonionic nature ensures compatibility with various textile auxiliaries.**
- **Improves fabric drape, touch, and handle.**
- **Reduces static build-up and enhances fabric processability.**
- **Stable over a wide range of pH and processing conditions.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	5.0 – 7.0
Ionic Nature	Nonionic
Solubility	Fully soluble in water
Specific Gravity (25 °C)	0.98 ± 0.02
Stability	Stable under normal textile processing conditions

Application:

- **Add SOFICA NS 100 to softening, finishing, or washing baths.**
- **Typical dosage: 0.5 – 1.5 % owf, depending on fabric type and desired softness.**
- **Agitate to ensure uniform distribution.**
- **Compatible with most textile auxiliaries and dyes.**
- **Rinse if necessary, depending on fabric and process requirements.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and goggles.**
- **Do not mix with strong acids, oxidizers, or incompatible chemicals in concentrated form.**
- **Store in tightly sealed containers in a cool, dry place.**

Packing Size:

Available in 25 kg, 60 kg, and 120 kg HDPE drums.

Storage:

- **Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf life: 12 months from the date of manufacture in unopened containers.**
- **Check product label for “Best use before end” date.**

Issued by:

Tusi Haytham Bio Limited – Technical Division
Product: SOFICA™ N Series – SOFICA NS 100
Category: Nonionic Textile Softener