TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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SOFICA™ N Series – TBIO NS 200

Nonionic Softener – Phenolic Yellowing Preventer
Manufacturer: Tusi Haytham Bio Limited

Product Description:

TBIO NS 200 is a nonionic textile softener formulated with anti-yellowing properties to prevent phenolic yellowing during storage, finishing, and post-dyeing processes.
It is suitable for cotton, polyester, blended fabrics, and delicate fibers, providing soft hand feel, improved drape, and color protection.

Key Performance Properties:

- **Prevents phenolic yellowing and maintains fabric whiteness.**
- **Provides soft, smooth, and pleasant hand feel.**
- **Nonionic nature ensures compatibility with a wide range of textile auxiliaries.**
- **Enhances fabric drape and lubricity.**
- **Stable under typical processing conditions, maintaining anti-yellowing performance.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow Flakes
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 TBIO NS 200 to finishing, washing, or softening baths.**
- **Typical dosage: 0.5 – 3.0 % owf, depending on fabric type and anti-yellowing requirements.**
- **Agitate to ensure uniform distribution.**
- **Compatible with other 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 a 25 kg Bag.

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 – TBIO NS 200
Category: Nonionic Textile Softener & Phenolic Yellowing Preventer