TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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SOFICA™ C Series – SOFICA CW 300

Cationic Softener – High Performance Cold Water Soluble
Manufacturer: Tusi Haytham Bio Limited

Product Description:

SOFICA CW 300 is a high-performance cationic textile softener, specially designed for cold water application. It imparts a superior soft, smooth, and luxurious hand feel to fabrics while enhancing drape, fabric lubricity, and processability.
Suitable for cotton, polyester, blends, and delicate fabrics, it ensures excellent softness without the need for heating.

Key Performance Properties:

- **Provides excellent soft hand feel and smoothness.**
- **Cold water soluble for easy application at ambient temperatures.**
- **Improves fabric drape and handle while preserving color and appearance.**
- **Compatible with most textile auxiliaries and finishing processes.**
- **Reduces static build-up and enhances post-processing fabric quality.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	4.5 – 6.5
Ionic Nature	Cationic
Solubility	Fully soluble in cold water (20–30 °C)
Specific Gravity (25 °C)	0.98 ± 0.02
Stability	Stable under normal textile processing conditions

Application:

- **Add SOFICA CW 300 to cold softening or finishing baths.**
- **Typical dosage: 0.5 – 1.0 % owf, depending on fabric type and desired softness.**
- **Agitate gently to ensure uniform distribution.**
- **Rinse if necessary, depending on fabric and process requirements.**
- **Compatible with other finishing auxiliaries and softeners.**

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™ C Series – SOFICA CW 300
Category: High-Performance Cationic Textile Softener (Cold Water Soluble)