TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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MERCERIL™ Series – MERCERIL T100
Mercerising Oil – Fabric Lustre Enhancer

Manufacturer: Tusi Haytham Bio Limited

Product Description:
MERCERIL T100 is a high-performance mercerising oil designed to enhance the lustre, smoothness, and overall appearance of cotton and blended fabrics. It aids in the mercerising process, ensuring uniform penetration and optimal fibre swelling for improved sheen and handle. Ideal for yarn, fabric, and textile finishing applications.

Key Performance Properties:

- **Increases fabric lustre and smoothness.**
- **Ensures uniform oil deposition during mercerising.**
- **Improves fabric handle and body.**
- **Compatible with alkali and typical mercerising auxiliaries.**
- **Enhances dye uptake and color brilliance.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
Density (25 °C)	0.85 – 0.90 g/cm³
Viscosity (25 °C)	100 – 300 mPa·s
Solubility	Insoluble in water, miscible in oils/organic solvents
Stability	Stable under normal storage and processing conditions

Application:

- **Add MERCERIL T100 during the mercerising process to cotton yarns or fabrics.**
- **Typical dosage: 1 – 5 % owf depending on fibre type and desired lustre.**
- **Ensure even distribution during mercerising for optimal sheen.**
- **Compatible with softeners and finishing auxiliaries; optimize via lab trials.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Keep away from open flames or high heat sources.**
- **Store in tightly sealed containers to maintain product quality.**

Packing Size:
Available in 25 kg, 60 kg, and 200 kg HDPE drums.

Storage:

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

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: MERCERIL™ Series – MERCERIL T100
Category: Mercerising Oil – Lustre Enhancer