TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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Appreton™ Series – TBIO APRE H
Fabric Finishing Agent – Soft & Elastic Handfeel

Manufacturer: Tusi Haytham Bio Limited

Product Description:
TBIO APRE H is a high-performance fabric finishing agent designed to impart a soft, elastic, and full-hand feel to textiles. It enhances fabric drapability, flexibility, and comfort while maintaining durability. Ideal for garments, home textiles, and fabrics where a soft, elastic touch is desired.

Key Performance Properties:

- **Provides soft, elastic, and smooth handfeel.**
- **Enhances fabric drapability and comfort.**
- **Maintains fabric body without stiffness.**
- **Compatible with common textile auxiliaries and finishing processes.**
- **Suitable for padding, coating, or exhaust application.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
Solid Content	20 – 35 %
pH (25 °C)	4.5 – 6.5
Viscosity (25 °C)	150 – 400 mPa·s
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

Application:

- **Apply TBIO APRE H via padding, coating, or exhaust processes.**
- **Typical pickup: 5 – 15 % owf depending on fabric type and desired softness.**
- **Cure or dry fabric according to process requirements for optimal performance.**
- **Compatible with softeners, dyes, and other finishing auxiliaries; optimize formulation via lab trials.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Do not mix with strong acids or oxidizing agents without dilution.**
- **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: Appreton™ Series – TBIO APRE H
Category: Fabric Finishing Agent – Soft & Elastic Handfeel