TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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TUSHFIN™ Series – Tushfin ANT
Antistatic Agent – Textile Finishing Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Tushfin ANT is a high-performance antistatic agent designed to reduce or eliminate static charge buildup in textiles. It improves fabric comfort, prevents dust attraction, and is suitable for cotton, polyester, blends, and synthetic fabrics used in garments, home textiles, and technical applications.

Key Performance Properties:

- **Imparts durable antistatic properties to treated fabrics.**
- **Maintains fabric softness, drapability, and handfeel.**
- **Compatible with cotton, polyester, blends, and synthetic fibers.**
- **Suitable for padding, coating, or exhaust finishing processes.**
- **Reduces cling, improves fabric handling, and enhances wearer comfort.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
Solid Content	10 – 20 %
pH (25 °C)	5.5 – 7.5
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

Application:

- **Apply Tushfin ANT via padding, coating, or exhaust finishing processes.**
- **Typical pickup: 3 – 10 % owf depending on fabric type and desired antistatic effect.**
- **Dry or cure fabric according to process requirements for optimum antistatic performance.**
- **Compatible with softeners, water/oil repellents, cross-linking agents, and other finishing auxiliaries; optimize 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 proper 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: TUSHFIN™ Series – Tushfin ANT
Category: Antistatic Agent – Textile Finishing Applications