TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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TUSHFIN™ Series – Tushfin MOIST
Moisture Management / Quick-Dry Agent – Textile Finishing Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Tushfin MOIST is a high-performance moisture management agent designed to enhance the quick-drying properties of textiles. It improves sweat absorption, accelerates evaporation, and ensures wearer comfort in sportswear, activewear, and outdoor garments. Suitable for cotton, polyester, blends, and knitted or woven fabrics.

Key Performance Properties:

- **Provides fast moisture absorption and quick-dry performance.**
- **Maintains fabric softness, drapability, and handfeel.**
- **Enhances comfort and reduces damp feeling during wear.**
- **Compatible with cotton, polyester, blends, and other textile fibers.**
- **Suitable for padding, coating, or exhaust finishing processes.**

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 MOIST via padding, coating, or exhaust finishing.**
- **Typical pickup: 3 – 10 % owf depending on fabric type and desired moisture management effect.**
- **Dry or cure fabric according to process requirements for optimum quick-dry performance.**
- **Compatible with softeners, water/oil repellents, 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
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Category: Moisture Management / Quick-Dry Agent – Textile Finishing Applications