TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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TUSHFIN™ Series – Tushfin WRK
Wrinkle-Free / Easy-Care Agent – Textile Finishing Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Tushfin WRK is a high-performance wrinkle-free and easy-care agent designed to reduce creasing and provide a stay-iron finish on textiles. It improves fabric smoothness, enhances drapability, and ensures garments maintain a neat appearance after washing and wearing. Suitable for cotton, blends, and other woven or knitted fabrics.

Key Performance Properties:

- **Imparts durable wrinkle-free and easy-care properties.**
- **Maintains fabric softness, drapability, and handfeel.**
- **Reduces ironing time and effort.**
- **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	15 – 25 %
pH (25 °C)	5.5 – 7.5
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

Application:

- **Apply Tushfin WRK via padding, coating, or exhaust finishing.**
- **Typical pickup: 5 – 15 % owf depending on fabric type and desired easy-care effect.**
- **Dry or cure fabric according to process requirements to achieve optimum wrinkle-free 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: Wrinkle-Free / Easy-Care Agent – Textile Finishing Applications