TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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TUSHFIN™ Series – Tushfin MGA
Anti-Migrating Agent – Textile Finishing Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Tushfin MGA is a high-performance anti-migrating agent designed to prevent color migration and bleeding during wet processing of textiles. It helps maintain color integrity, improves fabric appearance, and is suitable for cotton, polyester, blends, and dyed fabrics in garments, home textiles, and technical textiles.

Key Performance Properties:

- **Prevents color migration and bleeding during washing or processing.**
- **Maintains fabric softness, drapability, and handfeel.**
- **Compatible with cotton, polyester, blends, and other textile fibers.**
- **Suitable for padding, coating, or exhaust finishing processes.**
- **Enhances colorfastness and maintains garment quality over multiple washes.**

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 MGA via padding, coating, or exhaust finishing processes.**
- **Typical pickup: 3 – 10 % owf depending on fabric type and desired anti-migration effect.**
- **Dry or cure fabric according to process requirements to achieve optimum color stability.**
- **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 MGA
Category: Anti-Migrating Agent – Textile Finishing Applications