TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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FIBROGAIN™ Series – Fibrogain BULK
GSM Improver – Textile Finishing Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Fibrogain BULK is a cost-effective GSM (grams per square meter) improver designed to increase fabric weight by 5–10 gsm. It provides a fuller hand and enhanced fabric feel while being an economical option. Due to its formulation, it offers moderate stability and is suitable for applications where budget-friendly GSM improvement is required.

Key Performance Properties:

- **Increases fabric weight by 5–10 gsm.**
- **Improves handfeel, body, and drapability of fabric.**
- **Economical choice for bulk GSM enhancement.**
- **Less stable compared to premium variants; suitable for immediate use or controlled processes.**
- **Compatible with common textile auxiliaries in finishing processes.**

Typical Properties:

Property	Specification
Appearance	Pale yellow to off-white liquid
Solid Content	25 – 35 %
pH (25 °C)	5.5 – 7.5
Viscosity (25 °C)	200 – 500 mPa·s
Solubility	Fully miscible in water
Stability	Moderate; best used in controlled conditions

Application:

- **Apply Fibrogain BULK via padding or coating processes.**
- **Typical pickup: 5 – 15 % owf depending on fabric type and desired GSM increase.**
- **Cure fabric according to process requirements for optimum finish.**
- **Optimize dosage via lab trials for desired weight and handfeel.**

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: 6–12 months from date of manufacture in unopened containers (due to moderate stability).**
- **Check product label for "Best use before end" date.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: FIBROGAIN™ Series – Fibrogain BULK
Category: GSM Improver – Textile Finishing Applications