TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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FOAMGUARD™ Series – FoamGuard PRO
Antifoaming / Defoaming Agent – Critical Textile & Industrial Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
FoamGuard PRO is a high-performance antifoaming agent specifically formulated for critical textile processing conditions, including high dye concentration, hard water, and complex finishing baths. It provides excellent foam suppression while maintaining process efficiency and fabric quality under challenging conditions.

Key Performance Properties:

- **Effective foam control under high dye concentration and hard water conditions.**
- **Prevents foam-related defects in dyeing, finishing, and washing operations.**
- **Compatible with a wide range of textile auxiliaries and chemicals.**
- **Low dosage requirement for efficient foam suppression.**
- **Safe for delicate fabrics and sensitive processes.**

Typical Properties:

Property	Specification
Appearance	Clear to slightly opalescent liquid
Active Content	100 % (ready-to-use formulation)
pH (25 °C)	6 – 8
Solubility	Dispersible in water
Stability	Stable under high temperature, hard water, and normal storage conditions

Application:

- **Add FoamGuard PRO directly to the bath at 0.05 – 0.3 % owf depending on foam severity and process conditions.**
- **Mix thoroughly to ensure uniform dispersion.**
- **Optimize dosage via trial runs for critical dyeing and finishing operations.**
- **Suitable for processes with dyes, salts, and hard water.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Store in tightly closed containers away from extreme heat and direct sunlight.**
- **Handle with care to prevent spills and contamination.**

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: Antifoaming / Defoaming Agent – Textile & Industrial Applications