TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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LEVINEX™ Series – Levinex P-200
Polyester Levelling Agent & Dyeing Accelerator with Diffusion Property for High-Temperature Applications
Manufacturer: Tusi Haytham Bio Limited

Product Description:

Levinex P-200 is a high-performance polyester levelling agent and dyeing accelerator designed for high-temperature applications. It enhances dye penetration and uniformity, ensuring consistent and vibrant coloration in polyester fabrics. Ideal for high-temperature dyeing processes, Levinex P-200 improves dye uptake and reduces the risk of dyeing defects, leading to superior fabric quality.

Key Performance Properties:

- **Enhanced Dye Penetration: Improves the diffusion of dyes into polyester fibers, ensuring uniform coloration.**
- **Accelerated Dyeing Process: Reduces dyeing time by facilitating faster dye uptake.**
- **High-Temperature Stability: Maintains effectiveness under high-temperature dyeing conditions.**
- **Reduced Dyeing Defects: Minimizes issues such as streaking and uneven coloration.**
- **Improved Fabric Quality: Contributes to the production of high-quality, vibrant polyester fabrics.**

Typical Properties:

Property	Specification
Appearance	Clear to light yellow liquid
pH (25 °C)	6.0 – 8.0
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under high-temperature dyeing conditions
Specific Gravity (25 °C)	1.05 ± 0.02

Application:

- **Dyeing Process: Add Levinex P-200 to the dye bath before introducing dyes.**
- **Typical Dosage: 0.5 – 2.0% owf (on weight of fabric), depending on fabric type and dye system.**
- **Operating Conditions: Temperature: 130–135 °C; Time: 30–60 minutes.**
- **Rinse: Thoroughly rinse after dyeing to remove residual chemicals.**
- **Compatibility: Compatible with other textile auxiliaries and dyeing chemicals.**

Precautions:

- **Personal Protection: Avoid contact with eyes and skin; wear protective gloves and goggles.**
- **Chemical Compatibility: Do not mix with strong acids or incompatible chemicals in concentrated form.**
- **Storage: Store in tightly sealed containers in a cool, dry place.**

Packing Size:

- **Available in: 25 kg, 60 kg, and 120 kg HDPE drums.**

Storage:

- **Conditions: Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf Life: 12 months from the date of manufacture in unopened containers.**
- **Note: Check product label for “Best use before end” date.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: LEVINEX™ Series – Levinex P-200
Category: Polyester Levelling Agent & Dyeing Accelerator with Diffusion Property for High-Temperature Applications