

# TECHNICAL BULLETIN

## ULTERION® PW-300

### DYE LEVELER

#### PERFORMANCE FEATURES

- Is in an aqueous dispersion; contains no solvents or diluents.
- Exhibits superior retardation of dye uptake resulting in improved dye leveling ability.
- Does not effect fastness as demonstrates by wet and dry crock test.
- Yarns and fabric dyed using *Ulterion*® *PW-300* systems demonstrate superior color yield when evaluated against other commonly used dye-leveling systems.
- Is completely compatible with most commonly used dyeing additives.
- Compatible with a wide range of pH buffers makes it an ideal leveling agent for all types and shades of acid dyes.

#### MARKET USES

- Textile dyeing

#### Product Description

*Ulterion*® *PW-300* is a sulfonated dispersion of a polyester copolymer designed to level acid dyes on all types of nylon fiber and fabric. It is a clear liquid of low viscosity designed with chemical characteristics, which bind PVA, CMC, and starch to polyester fiber and polyester/cotton fibers.

weight of the basic size used. *Ulterion*® *PW-300* has unique properties, which bind starch and PVA to 100% polyester and polyester/cotton yarns. *Ulterion*® *PW-300* sizing systems give yarn excellent protecting and have significantly increased weaving efficiencies in commercial mill trials.

#### Typical Properties

% Solids	50 ± 1.0
pH	4.5 – 6.0
Odor	Mild Organic
Appearance	Yellowish –Amber Translucent
Specific gravity	1.25
Viscosity (cps)	150
Origin	USA

#### Handling / Storage Stability

*Ulterion*® *PW-300* should be stored between 40-100°F (25-35°C) to insure maximum shelf-life. Storage temperatures above 100°F will cause thickening and possible settling of the product. Store above 40°F to prevent freezing and possible settling. For Best performance, this product should be used within six months.

#### Application Methods

*Ulterion*® *PW-300* is easily diluted in water using normal agitation. Recommended starting levels are 0.5-1.0 g/l. It is recommended to add any buffers first to avoid shock. *Ulterion*® *PW-300* can be added at any time of the cook-up cycle. Recommended uses are 10-20% on the

#### Product Safety

When considering the use of **Ulterion International** products, please refer to the latest Material Safety Data Sheets (MSDS). If you require an MSDS for this product; please call your **Ulterion International, LLC Representative**.

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