



PRODUCT DESCRIPTION

Ulterion® APO is an effective flame retardant treatment for many natural and synthetic fibers, and their composites. Unlike many aqueous flame retardant products, **Ulterion® APO** is compatible with a wide range of emulsion polymers and can be easily incorporated into latex coating and adhesives systems used in the production of flame retardant materials and laminates.

Typical Properties

Total Solids (%)	31.0
Phosphorus Content (wet %)	7.4
pH	6.0
Viscosity (cps)	20
Density (lbs/gallon)	9.0
Appearance	Clear, Pale Amber Liquid

Application Methods

Ulterion® APO can be applied directly to the substrate to be flame retarded by padding, spraying or roll coating. The amount of **Ulterion® APO** required will vary depending on the chemical nature of the substrate, its' construction, and the flammability standard specified. Treated substrates can be dried using any conventional means. Typical application rates range from 5% to 20% **Ulterion® APO** solids based on the total weight of the finished substrate.

Ulterion® APO may be used as a wash-durable flame retardant for polyester fabrics. Fixation of 1.5% to 3.0 % **Ulterion® APO** on the weight of fabric is usually sufficient for a polyester fabric to pass the 16 CFR part 1615 (FF 371) and NFPA 701-89 standards. Typical fixation temperatures range from 370° F to 400° F. Typical dwell times range from 30 to 45 seconds.

MARKET USES

- Paper Treatment
- Textile Coatings
- Textile Finishing
- Laminating Adhesives

Packaging

Ulterion® APO is available in 55 gallon drums, 275 gallon totes, and in bulk tanker loads.

Handling / Storage Stability

Keep from freezing. Store in cool, dry area i.e., 70-80°F. Keep away from high heat to retain a six-month shelf life.

Product Safety

Ulterion® APO is classified as a non-hazardous liquid. As with all industrial chemicals, basic handling precautions are recommended. Avoid skin contact. Avoid mist inhalation or eye contact. Wear protective clothing and goggles if there is a chance of exposure. Prolonged skin contact may produce irritation.

When considering the use of **Ulterion®** brand products, please refer to the latest Safety Data Sheets (SDS). If a SDS for this product is required, please contact your **Jain Chem Representative**.

Jain Chem, Ltd.
200 Tanner Drive
Taylors, SC 29687
Phone: (864) 609-0910
Fax: (864) 331-4264
www.jainchem.com
www.ulterion.com

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