## **Technical Bulletin**



# **ECCOSHIELD<sup>®</sup> FR-101**

### CLASSIFICATION

A flame retardant for cellulosic fabrics

#### PROPERTIES

Appearance	Clear liquid
Active Content	65% minimum
Solubility	readily soluble
Density	11.3 lbs/gallon
рН	6.0

#### **GENERAL COMMENTS**

**ECCOSHIELD**<sup>®</sup> **FR-101** is a flame retardant for application on cellulosic fabrics. When applied from an aqueous system, properly cured, **ECCOSHIELD**<sup>®</sup> **FR-101** will supply a most acceptable fabric from the standpoint of hand and flame retardancy.

The application of **ECCOSHIELD**<sup>®</sup> **FR-101** will cause little to no effect on a dyed shade or pigment printed material. The application of this product followed by subsequent curing will produce a desirable feel to the fabric.

Recommended applications will provide flame retardancy, which will give satisfactory results to NFPA 701 Flame Testing conditions.

#### **APPLICATIONS**

- 1<sup>st</sup> Bath : 30% ECCOSHIELD<sup>®</sup> FR-101
  - 10% ECCOSHIELD<sup>®</sup> UA

wet pickup 100%

dry and cure at 150C for 1-2 minutes

2<sup>nd</sup> Bath : 5% Hydrogen Peroxide (35%)

wet pickup 100%

dry at 110 – 150C

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