

## ECCOSHIELD™ PE-100

ECCOSHIELD™ PE-100 is a durable flame retardant for application to polyester fabrics. When applied from an aqueous system, properly cured, ECCOSHIELD™ PE-100 will supply a most acceptable fabric from the standpoint of hand and durable flame retardancy. The applied finish is durable to a number of normal home launderings.

The application of ECCOSHIELD™ PE-100 will cause little to no effect on a dyed shade or pigment printed material. The application of this product followed by subsequent curing will product a desirable feel to the fabric. Should napping be desired, this residual material may very well serve to aid any napping operation.

Recommended applications will provide flame retardancy, which will give satisfactory results to NFPA 701 Flame Testing conditions. ECCOSHIELD™ PE-100 can be used in screen print inks to provide a print paste for flame retarded print.

### Physical Properties

<b>Appearance</b>	colorless to straw-colored, viscous liquid
<b>Active Content%</b>	Minimum 90%
<b>Solubility</b>	Soluble
<b>Desnity</b>	10 to 11 lbs/gal
<b>pH</b>	3.7 to 4.7

### Application

In the preparation of an application bath, it is simply prepared by adding ECCOSHIELD™ PE-100 to warmed water (60°F) followed by application by padding.

We suggest the preparation of 2.5%-10.0% solution followed by padding, which will provide a Wet Pick-up of 80%-100%.

Follow padding by adequate drying and curing. Curing temperature 365-400°F with a dwell time of 1 - 2 minutes allows polyester fabric to meet NFPA 701 Standard. Durable to 50 launderings.

### Storage and Handling

Keep container tightly closed in a dry and well-ventilated area. Do not freeze. Avoid heat and direct sunlight. Consult the SDS for further information.

Information contained in this technical data sheet is up-to-date and correct to the best of our knowledge at the date of issue and are subject to change. As Organic Dyes and Pigments LLC cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. Organic Dyes and Pigments LLC will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given.

Released: 11/22 RY

**Contact an ORCO™ Representative TODAY!**

Corporate Office  
1 Crownmark Drive  
Lincoln, RI 02865  
Tel: 800-556-6784  
Fax: 401-434-2390  
email: info@organicdye.com



[www.organicdye.com](http://www.organicdye.com)

ISO 9001 Certified