



# SP160

## PFOA-Free WOR Fabric Protectant

Revised March 29, 2009

### Characteristics

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|--|---|
| • PFOA-free  | Below limit of detection (< 4 ppb)  |
| • Based on C6 fluorochemistry  | Cannot break down into PFOA (does not contain C8 components)                                  |
| • Imparts excellent water and oil repellency (WOR) to <b>polyester, nylon, cotton, and wool.</b> | Resistant to rain as well as water- and oil-based stains                                      |
| • Water-based emulsion   | Non-flammable – no flash point  |
| • High solid and fluorine content  | High bath concentrations are not necessary  |
| • Application methods  | Spray, foam, knife-coat, kiss roll, exhaust, and traditional padding or “Dip & Nip” processes |
| • Compatibility  | Fluoropolymer-compatible wetting agents, extenders, wrinkle free resins, and fabric softeners |
| • APEO-free  | Does not contain APEOs (alkyl phenol ethylene oxides)   |

### Properties

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|---------------------|--|
| • Composition       | Fluoropolymer emulsion   |
| • Ionic Charge      | Weakly cationic  |
| • Appearance        | Off-white or pale yellow emulsion  |
| • pH                | Acidic   |
| • Specific Gravity  | 1.1 g/mL @ 25 °C   |
| • Solubility        | Readily soluble in cold water  |
| • Storage stability | Stable for 1 year at 20 °C – avoid freezing and temperatures above 40 °C |

### Applications

SP160 can be applied in spray, foam, knife-coat, kiss roll, exhaust, or traditional padding applications. For application suggestions, please see the Application Information Sheet.