

## RAINOFF<sup>®</sup> FCX-8

### CLASSIFICATION

A highly durable fluoro-copolymer based water & oil repellent for all textiles. **RAINOFF<sup>®</sup> FCX-8** contains a blocked isocyanate crosslinker that significantly improves durability to water, laundering, and dry cleaning.

### PROPERTIES

<b>Appearance</b>	- Milky white emulsion
<b>pH (5% dilution)</b>	- 3.5 ± 0.8
<b>Specific Gravity</b>	- 1.10
<b>Ionicity</b>	- weakly cationic

### GENERAL COMMENTS

**RAINOFF<sup>®</sup> FCX-8** is a fluoro-copolymer based dispersion especially designed for use as an excellent water and oil repellent and stain blocker finish.

**RAINOFF<sup>®</sup> FCX-8** provides extremely durable water and oil repellency to all fabrics, especially on polyester, poly/cotton, cotton, and nylon or other synthetics. It is compatible with most catalysts, softeners and other textile auxiliaries.

**RAINOFF<sup>®</sup> FCX-8** is readily applied by padding and shows good stability in combination with other additives and shows no 'tailing'

The water and oil repellent effects can be impaired by residues of auxiliaries on the goods being finished such as fiber finish oils, sizes, surfactants or dyeing assists. Silicone finish oils or softeners can also have a bad effect.

### APPLICATION

**RAINOFF<sup>®</sup> FCX-8** is readily soluble in cold water. The pH of the finishing liquor should be 4 – 5. Application baths of 0.5% to 5.0% will provide the water repellent and oil repellent features needed. Normal drying is 3 - 4 minutes @ 275°F. Then cure @ 300°F to 350°F for 3-4 minutes. Higher temperatures yield better results.

**RAINOFF<sup>®</sup> FCX-8** can be applied by spray and exhaust. For exhaust use 2 to 7% based on the weight of the goods.