

## RAINOFF® FCX-6

### CLASSIFICATION

**RAINOFF® FCX-6** is a weakly cationic, carbon 6-based fluoro-polymer water, oil, and alcohol repellent for textiles. **RAINOFF® FCX-6** is highly concentrated and performs well on synthetic and cellulosic fibers and contains a blocked isocyanate crosslinker offering exceptional durability. **RAINOFF® FCX-6** also shows good performance at low temperature cures so it is suitable on polypropylene, wool and silk. **RAINOFF® FCX-6** does not contain detectable amounts of PFOA.

### PROPERTIES

<b>Appearance</b>	Off-white, beige emulsion
<b>pH (5% dilution)</b>	4.0 +/- 0.8
<b>Specific Gravity</b>	1.10
<b>% Solids</b>	34% +/- 1.5
<b>Ionicity</b>	weakly cationic

### GENERAL COMMENTS

**RAINOFF® FCX-6** is a highly durable fluoropolymer-based water and oil repellent for all cellulosic and synthetic textiles. **RAINOFF® FCX-6** can be used on polypropylene fabrics and other textile applications requiring low temperature curable applications. **RAINOFF® FCX-6** displays very good effectiveness after laundering and air-drying.

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

### APPLICATION

#### *Textiles*

Prepare a 0.5-5.0% solution of **RAINOFF® FCX-6** and apply by pad, spray or coater. Dry completely and cure at 240-350°F. Higher curing temperatures will improve performance and permanence.