

# Masurf<sup>®</sup> FP-815 CP

## Fluoroaliphatic Carpet & Upholstery Protectant

### Overview

The improved MASURF FP-815 CP is characterized as a 16% active fluoroaliphatic polyacrylate fluoropolymer in a water/glycol solution. MASURF FP-815 CP is an effective Carpet and Upholstery Protectant with exceptional soil release and dry soil resistance, now with even better dry soil resistance.

MASURF FP-815 CP is a new generation, concentrated fluoroaliphatic water and oil repellent finish optimized to provide superior performance and durability. MASURF FP-815 CP is designed specifically for protecting nylon, polyester, wool and acrylic carpeting and upholstery. MASURF FP-815 CP imparts exceptional soil release performance, dry soil resistance with water & oil repellency.

Determine the desired performance by diluting MASURF FP-815 CP in water 1:15-1:30 (1 Part Concentrate: 15-30 Parts Water) and apply to carpeting, upholstery and other fabrics or surfaces at 1 Gallon/200-400 sq.ft. coverage. Allow to Dry/Cure at ambient temperature, overnight.

### Compare\* with Zonyl 5180, Teflon MF

Masurf FS-Fluorosurfactants and Masurf FP-Fluoropolymers do not contain PFOS. Masurf FS and FP products are manufactured with telomerization process fluoroaliphatic intermediates that do not contain, release or have been shown to degrade to perfluorooctane sulfonate (PFOS).

### Typical Properties

Classification .....	Fluoroacrylate copolymer solution
Charge.....	Anionic
Physical form.....	Pale amber liquid
Specific gravity (25°C).....	1.06±0.04
Viscosity (25°C).....	<5cps (Brookfield)
pH (5% aq.) .....	8.5±1.5
Boiling Point .....	212°F(100°C)
VOC content (volatile-water) .....	24% (DPGMME)
Flash point (PMCC).....	>200°C
Shipping .....	Non-Red Label

### Handling Information

Refer to the Material Safety Data Sheet (MSDS) available from Mason Chemical Company for information on the safe use, handling and disposal of this product.

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*\*Zonyl and Teflon are Trademarks of DuPont*

# Masurf® FP-815 CP

MASURF FP-815 CP is a 16% active fluoroaliphaticpolyacrylate fluoropolymer effective as a Soil Releasing Fabric Protectant. The example below illustrates this effect:

## Carpet Protector with Anti-Stain Performance

Ingredients:	Wt.%
Water.....	45.0
<b>Masurf SP-740</b> .....	5.0
<b>Masurf FP-815CP</b> .....	50.0
Optical Brightener, Preservative .....	q.s.
Dilute 1:4 for application at 200-600 sq. ft. per gallon.	

### Notes:

Mix in order listed.

Masurf SP-740 is an effective stain blocker, especially against Koolaid and other difficult to remove staining materials. Masurf FP-815 CP imparts dry soil resistance and with water and oil repellency to prevent re-soiling. Masurf FP-815 CP exhibits exceptional Soil Release after vacuuming and subsequent wet-cleaning.

## PERFORMANCE PROPERTIES/TEST CONDITIONS

Carpet type:	100% Nylon, cut pile, 26 ounces per yard face weight
Treatment Method:	Spray
Dilution Concentration:	1:15 (1 Part Product: 15 Parts Water)
Coverage:	1 Gallon/200-400 sq.ft.
Drying/Curing:	Ambient temperature, overnight
<b>Masurf FP-815 CP</b>	1:15; 1 Gallon/200-400sq.ft.
Competitor's Product:	1:15; 1 Gallon/200sq.ft.
Water Repellency (WR):	DuPont Method IPA/Water 0=No repellency, 10=High repellency
Oil Repellency (OR):	AATCC Method #118 0=No repellency, 10=High repellency
Dry Soil Resistance (DSR):	AATCC Gray scale: 5=Severe Soil, 1=No Soil Reported as difference from non-treated control.
Soil Release (SR):	AATCC 171 Carpet Cleaning: Hot Water Extraction AATCC Gray scale: 5=Severe Stain, 1=No Stain

### Data Summary:

Test Conditions				
Grades evaluated.	Non-Treated Carpet	Masurf FP-815 CP	Competitor Carpet Protector	Masurf FP-815 CP
Diluted 1:15. Dried at ambient temperature over night.				
Application rate		200 sq. ft./gallon		400 sq. ft./gallon
Test Results				
Water Repellency	0	4	1+	4
Oil Repellency	0	5	3	4+
Dry Soil Resistance	5	2	4	2
	After Vacuum	3	1	2
	After Extraction	5	1	1
Soil Release	Cherry Kool-Aid®	4	1	3
	Coffee	4	1	2
	Mustard	4	2	4
	Vegetable Oil	4	1	4
	Dirty Motor Oil	5	2	5
	Heavy Grease	5	2	5

## SAFE HANDLING INFORMATION

Wear safety glasses with side shields or goggles to avoid eye contact. Wear appropriate gloves to avoid skin contact. In operations where mists, vapors, or fumes are generated, wear a respirator selected by a technically qualified person for the specific work to avoid inhalation. Suitable ventilation must be used during application. Based on properties displayed by similar materials, the fluoroaliphatic component of this product, if dispersed as a fine particle, may have the potential to induce a pneumonia-like condition.

In spray applications, use a coarse spray device such as a trigger sprayer or pressurized dispenser with particle size production of greater than 15 microns. Adjust spray pressure to keep particle size greater than 15 microns. Do not aerosolize or atomize.