

# Masurf<sup>®</sup> NRW

## High Performance Wetting Agent for Formulated Products and Textile Finishing

### Overview

MASURF NRW is a highly efficient, no-residue “pseudo-surfactant” wetting agent, capable of reducing the surface tension of aqueous solutions to 25 dynes/cm at concentrations of 0.1 to 0.25%. MASURF NRW is recommended for all applications where efficient wetting with no-residue is critical, including formulated degreasers, polishes, and non-streak multi-surface cleaners and “surfactant free” formulations.

MASURF NRW is a new generation, non-rewetting wetting agent for enhanced fluoroaliphatic textile finishing. NRW is excellent for use on a wide range of fabrics, especially polypropylene and silicone contaminated fabrics. Disperse NRW into water, then add finishing agents.

NRW is non-flammable, low foaming, alkaline stable, and is bath compatible with optical brighteners and UV absorbers. Use Masurf NRW-N in cationic systems.

### Typical Properties

Classification .....	Aqueous surfactant solution
Charge.....	Anionic
Physical form.....	Water white liquid
Specific gravity (25°C).....	1.00±0.04
Viscosity (25°C).....	<5cps (Brookfield)
pH.....	8.5±1.5
Boiling Point .....	212°F(100°C)
Flash point.....	>200°F (PMCC)
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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MASURF NRW is a blend of nonionic and anionic wetting agents specially formulated to provide highly effective wetting of surfaces. In Textile applications, MASURF NRW is non-rewetting and non-VOC.

When formulated into Specialty Cleaning products, MASURF NRW-N is a no-residue “pseudo-surfactant” that works synergistically with Fluorinated Surfactants to provide superior wetting, spreading and non-streak surface drying properties. The formulation below illustrates this effect.

## Non-Streak Multi-Surface Cleaner

Ingredients:	Wt. %
Water.....	96.3
Na <sub>4</sub> EDTA, 38%.....	0.1
<b>Macat AO-12</b> .....	0.4
Glycerin <sup>(1)</sup> .....	0.2
Monoethanolamine <sup>(2)</sup> .....	0.4
<b>Masurf NRW</b> .....	0.5
Isopropanol .....	2.0
<b>Masurf FS-615</b> <sup>(3)</sup> .....	0.1
Dye & Fragrance .....	q.s.

### Notes:

Mix in order listed.

- (1) Provides slip for easy wiping.
- (2) Provides alkalinity for grease cutting performance.
- (3) Fluoroaliphatic Sulfosuccinate Fluorosurfactant for fast wetting and synergistic non-streak performance with Masurf NRW.