

Masurf[®] NRW-N

High Performance Wetting Agent for Disinfectants, Cleaners and Detergents and Textile Finishing

Overview

MASURF NRW-N is a highly efficient, no-residue “pseudo-surfactant” dynamic 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-N is recommended for all applications where efficient wetting with no-residue is critical, including formulated degreasers, polishes, EPA Registered disinfectant and non-streak multi-surface cleaners and “surfactant free” formulations.

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

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

Typical Properties

Classification	Aqueous surfactant solution
Charge.....	Non-ionic
Physical form.....	Water white liquid
Specific gravity (25°C).....	1.02±0.02
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-N

MASURF NRW-N is a blend of nonionic wetting agents specially formulated to provide highly effective wetting of surfaces. In Textile applications, MASURF NRW-N is non-rewetting and non-VOC.

When formulated into Low VOC Specialty Cleaning products, MASURF NRW-N is a no-residue "pseudo-surfactant" that works synergistically with traditional surfactants to provide non-streak cleaning performance. When used with Fluorinated Surfactants NRW-N provides superior wetting, spreading and non-streak surface drying properties. The formulations below illustrate this effect.

Ready to Use Grease Cutting Multi-Surface Disinfectant Cleaner Maquat 86-M/EPA Registration Number 10324-85*

Ingredients:	Wt. %
Water.....	96.148
Na ₄ EDTA, 38%.....	0.079
Macat AO-12	0.4
Maquat MQ615M	0.172
Glycerin ⁽¹⁾	0.2
Monoethanolamine ⁽²⁾	0.4
Masurf NRW-N	0.5
Isopropanol	2.0
Fragrance.....	0.1
Dye.....	0.001

Notes:

Mix in order listed.

- (1) Provides slip for easy wiping.
- (2) Provides alkalinity for grease cutting performance.

* Contact Mason Chemical Regulatory Services for complete Registration Package.

Maquat 86-M is a Disinfectant, Cleaner, Mildewstat, Fungicide, Sanitizer (nonfood contact surfaces) Virucide, Deodorizer for Hospitals Nursing Home, Whirlpool, Home, Institutional, Industrial, School, Dairy, Equine, Poultry/Turkey, Farm, Veterinary, Restaurant, Food Handling and Process Areas, Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use and for Harvesting & Handling Equipment.

Maquat 86-M is registered for use in Kitchens and for Household Cleaning, and as a Non-Acid Bathroom Cleaner. Formulated for effective Poultry Sanitation, Swine Premise Sanitation, and Mushroom Farm Sanitation

Maquat 86-M is effective against a wide range of food borne pathogenic bacteria such as Escherichia coli 0157:H7, is fungicidal against Trichopyton mentagrophytes (the agent that causes athlete's foot fungus), and virucidal against blood borne pathogens such as Hepatitis B Virus, and HIV-1 (AIDS virus).

Non-Streak Glass & Window Cleaner

Ingredients:	Wt. %
Water.....	94.38
Na ₄ EDTA, 38%.....	0.1
Macat AO-12	0.4
Glycerin ⁽¹⁾	0.2
Monoethanolamine ⁽²⁾	0.4
Masurf NRW-N	0.5
Isopropanol	4.0
Masurf FS-230 ⁽³⁾	0.02
Dye & Fragrance.....	q.s.

Notes:

Mix in order listed.

- (1) Provides slip for easy wiping.
- (2) Provides alkalinity for grease cutting performance.
- (3) Fluorosurfactant for fast wetting and synergistic no-streak performance with Masurf NRW-N.