



Flexiwet™ NR-50

Non-rewetting penetrating surfactant for wet processing

Overview

- Liquid, low odor non-rewetting nonionic surfactant in water
- Non-flammable penetrating surfactant for wet processing applications
- Promotes the penetration and uniformity of oil and water repellent finishes
- Aids in reworking or redyeing of repellent treated fabric without stripping
- Improves dye penetration and leveling in dyeing operations
- Improves bleaching and scouring efficiency
- Promotes finish penetration of substrates that contain residual processing materials
- Versatile wetting agent for use in a wide range of applications including soft and hard surface cleaning

Applications

- Upholstery
- Apparel (fabrics of all types)
- Military Quarpel
- Cotton bleaching and scouring
- Textile refinishing
- High performance cleaners

Technical Information

Flexiwet™ NR-50 is a low odor, non-rewetting penetrating nonionic surfactant for wet processing applications. Non-flammable and APEO-free, Flexiwet NR-50 produces efficient and uniform wetting on difficult to wet surfaces such as polyolefin, silicone contaminated fabrics, and plastics. Unlike thermally degrading textile finishing agents, the non-rewet performance of Flexiwet NR-50 is ideal for use with fluorochemical oil and water repellent finishes.

Flexiwet NR-50 offers dramatic static surface tension reducing capabilities (25-27 dynes/cm at 0.1-0.25% actives) and is compatible with a wide range of finishing agents including fluorochemicals, UV absorbers and optical brighteners. Low foaming, acid and alkaline stable, Flexiwet NR-50 is an ideal wetting agent for use in bleaching or scouring cotton.

Formulary

Evaluate at a use rate of 0.1-0.25% as supplied on weight of bath to improve wetting and penetration in wet processing applications.

Add Flexiwet NR-50 to water with sufficient agitation for uniform dispersion, then add finishing agents.

Over application or inadequate drying may leave excessive amounts of Flexiwet NR-50 on treated surfaces, characterized by its mild soapy odor. If this soapy odor is present, promptly re-dry.

Typical Properties

PROPERTY	VALUE
Appearance	Clear, colorless liquid
Odor	Mild
Ionic character	Nonionic
Water solubility	Soluble
pH (5%aq.)	7.5±2.5
Density@25°C	1.02±0.02 g/ml
Boiling Point	100°C
Flash point	No flash below boiling point
Storage	Stable to freezing
Shelf life	12 months

Packaging and Handling

Flexiwet NR-50 is available in:
275 gallon totes (Net Wt. 2200 lbs)
55 gallon plastic drums (Net Wt. 440 lbs)
5 gallon plastic pails (Net Wt. 40 lbs)

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

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

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