



innovative chemical technologies, inc.

Flexiwet NRW

TECHNICAL DATA SHEET

- ◆ **Powerful Wetting Agent**
- ◆ **Non Rewetting**
- ◆ **Designed For Use With Fluorochemical Oil And Water Repellents**
- ◆ **Readily Dilutes In Water: Meets All VOC Regulations**
- ◆ **Provides Efficient And Uniform Wetting**
- ◆ **Exceptional Wetting Of Difficult To Wet Surfaces Including Polyolefin And Silicon Contaminated Fabrics**
- ◆ **Improves Performance of Expensive Finishing Agents Including Fluorochemicals, UV Absorbers, And Optical Brighteners**
- ◆ **Nonionic And Compatible With A Broad Range Of Finishing Agents**
- ◆ **Very Low Concentrations (0.1 to 0.2%) Reduce Bath Surface Tension to 25 – 27 dynes/cm**
- ◆ **Not Flammable**

APPLICATIONS

- ◆ **Upholstery**
- ◆ **Apparel (Fabrics of all types)**
- ◆ **Military Quarpel**
- ◆ **Cotton Bleaching And Scouring Alkaline Stable, Low Foam Wetter**

TECHNICAL INFORMATION

Flexiwet NRW added to finishing baths at concentrations of 0.1 to 0.25% on weight of bath will reduce surface tension to between 25 and 27 dynes/cm. This is sufficient to wet most surfaces uniformly and efficiently. This includes difficult to wet surfaces like polyolefin fabrics and silicon contaminated fabrics. Because so little Flexiwet NRW is required to reduce the surface tension of the bath and because it is non rewetting, Flexiwet NRW will not reduce the repellency of high performance fluorochemical oil and water repellent finishes. Flexiwet NRW will not diminish initial repellency, finish durability, dynamic absorption, or hydrostatic head. This is especially important for applying high performance finishes like Quarpel.

Flexiwet NRW is nonionic and compatible with most finishing agents, including costly fluorochemical oil and water repellents, UV absorbers, and optical brighteners. Flexiwet NRW is low foaming and alkaline stable making it a perfect choice for bleaching or scouring cotton. Flexiwet NRW is also low odor and non flammable which gives it considerable advantage over other nonrewetting wetters such as methanol, isopropanol and other alcohols.

Add 0.1 to 0.25% Flexiwet NRW to water with good agitation to uniformly disperse it and then add the finishing agent to the bath.

TYPICAL PROPERTIES

Appearance	Clear, colorless liquid
Density @ 25C	1.00 +/- 0.02 g/mL (8.3 lbs/gal)
pH (1%)	5 – 10
Water Solubility	Soluble
Boiling Point	100 C

PACKAGING/HANDLING

Flexiwet NRW is available in totes (Net Wt. 2200 lbs),
55 gallon drums (Net Wt. 440 lbs) and 5 gallon pails (Net Wt. 40 lbs).
DOT Classification is Non Regulated