



innovative chemical technologies, inc.

## **Flexiwet RFS-20A**

### **TECHNICAL DATA SHEET**

- ◆ **Partially Fluorinated Anionic Surfactant**
- ◆ **Provides Outstanding Wetting Properties**
- ◆ **Stable and Effective in Hard Water, Strong Acids and Bases**
- ◆ **Exceptional Stability and Functionality in Severe Thermal and Chemical Environments**
- ◆ **Dramatic Surface Tension Reduction of All Types of Aqueous Systems (less than 20 dynes @ 0.1% actives)**

### **Applications**

- ◆ **Wetting Agent for Coatings and Polishes**
- ◆ **Additive for Fiber Finishes**
- ◆ **Wetter/Penetrant for Hard Surface Cleaners**

## **TECHNICAL INFORMATION**

Flexiwet RFS-20A is an excellent choice for wetting difficult to wet surfaces such as plastics, oily substrates and waxy surfaces because the surface tension of aqueous solutions and emulsions can be reduced to 19 to 20 dynes/cm with the addition of as little as 0.01 to 0.5 % of Flexiwet RFS-20A. This low surface tension results in better wetting, spreading, and penetration which translates into improved film uniformity, reduced pinholes and craters for coatings, reduced droplet size and therefore less water spotting, and smoother and more even films for finishes and polishes. Flexiwet RFS-20A provides far greater surface tension reduction than can be achieved with either hydrocarbon or silicone based surfactants. Flexiwet RFS-20A, unlike many anionic fluorosurfactants, does not precipitate in hard water conditions, and is also stable in most highly acidic or basic environments. Used in conjunction with “conventional” hydrocarbon wetting agents it is possible to achieve a system that not only dramatically reduces surface tension, but also lowers interfacial tension resulting in a liquid that easily wets and spreads on otherwise hard to wet surfaces. Flexiwet RFS-20A is also an excellent choice as an additive for fiber finishes to dramatically improve finish uniformity on fibers during fiber production and downstream processing.

## **TYPICAL PROPERTIES**

Appearance	Clear, colorless to pale yellow liquid
Density @ 25C	1.09 +/- 0.05 g/ml at 25C
pH (as is)	6 to 8
Water Solubility	Soluble
Boiling Point	Approximately 100C
Odor	None

## **PACKAGING/HANDLING**

Flexiwet RFS-20A is available in 275 gallon totes (Net Wt. 2200 lbs), 55 gallon drums (Net Wt. 440lbs) and 5 gallon pails (Net Wt. 40 lbs).  
DOT Classification is Non Regulated