



innovative chemical technologies, inc.

FLEXIWET Q-22

TECHNICAL DATA SHEET

- ◆ **Fluorinated Cationic Surfactant, with good foaming properties**
- ◆ **Helps with substrate wetting. Incorporation into water based formulations to allow for good wetting of plastics, for example.**
- ◆ **Excellent Leveling Agent. Can reduce the need for coalescing agents (VOC content) in polymer latex coatings.**
- ◆ **Adheres well to metal, ceramic, and siliceous surfaces, imparting short term repellency or release properties to the substrate**
- ◆ **Water Based - readily dilutes in water, alcohol, or glycols to provide formulations with excellent shelf stability**
- ◆ **Provides uniform drying properties: reduces or eliminates water spots, delivers non-streak behavior**
- ◆ **Stable at high and low pH, elevated temperatures, in peroxide**
- ◆ **Provides Antistatic Properties when incorporated into films**

APPLICATIONS

- ◆ **Latex Paints, Coatings, and Adhesives**
- ◆ **Floor Finishes and Urethane based Coatings**
- ◆ **Cleaning Products, including non-streak cleaners**
- ◆ **Floor Polishes/Waxes/Strippers**
- ◆ **Petroleum Well Stimulation, Brine Removal from Natural Gas Wells**
- ◆ **Personal Care: used in Hair Care Products**

TECHNICAL INFORMATION

Flexiwet Q-22 is a cationic fluorosurfactant that provides exceptional wetting/penetrating benefits to an aqueous formulation. Flexiwet Q-22 is designed to be used in both cationic and nonionic systems, where it provides a number of beneficial attributes to cleaning products: wetting/penetration, good foaming, non-streak drying, and leveling. It's cationic nature allows it a measure of surface substantivity on glass, ceramic, metal, and siliceous surfaces, which in some specific applications permits for residual effects after cleaning, such as repellency, release, corrosion inhibition, or antistatic properties.

FORMULARY

Recommended use rates for Flexiwet Q-22 vary from 0.01-0.06% in water base systems to 0.25-0.75% in high-solids or solvent borne systems.

Dilutions:

Flexiwet Q-22 is somewhat susceptible to precipitation in hard water, so deionized or softened water is recommended. Dilution into polar organics (IPA, glycol ethers, etc) is also readily achieved.

Storage :

Stable as delivered. If stock solutions are prepared from Flexiwet Q-22, long-term storage of these may require addition of a suitable biocide/fungicide, such as 0.1% by wt. of Proxel GXL.

TYPICAL PROPERTIES

Appearance	Clear, Colorless to Pale Yellow Liquid
Odor:	none
Density @ 25 ⁰ C	1.06 +/- 0.05 g/ml (8.9 lbs/gal)
pH (as is)	4.0 – 8.0
Water Solubility	Soluble
Boiling Point	Approx. 100 ⁰ C
Actives:	20%

PACKAGING/HANDLING

Flexiwet Q-22 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.

Product has not been evaluated for freeze-thaw stability.

Do not freeze.