

DeIONIC 100-VLF

DeIONIC 100-VLF is a unique, very low foaming, modified alkoxyated alcohol. This nonionic surfactant exhibits multifunctional characteristics including wetting and dispersing properties.

SPECIFICATIONS

Appearance @ 25°C:	Clear to slightly hazy liquid
pH (10% in DW):	5.0 -9.0
Color (Gardner):	1 max.
Cloud Point (1% by wt. in 15% butyl carbitol):	58 - 70°C

SOLUBILITY DeIONIC 100-VLF is soluble in alcohols and glycols. It is dispersible in water, solvents and oils.

TYPICAL PROPERTIES

% VOC (typical)	13%
Density @ 25°C	~0.96 g/ml

- Very low foam
- Excellent wetting
- Excellent surface tension reduction above the cloud point
- Detergency
- Biodegradable
- Moderate alkali and acid stability
- Approved for use as inert in non-food pesticide applications
- Dispersant

APPLICATIONS

- Pigment and dye dispersant
- Pigment grinding
- Fountain solutions
- Paints and coatings
- Inks
- Low foam detergents
- Pulp and paper production
- Adhesives
- Electroplating
- Agricultural sprays
- High pressure spray cleaners
- Emulsion polymerization

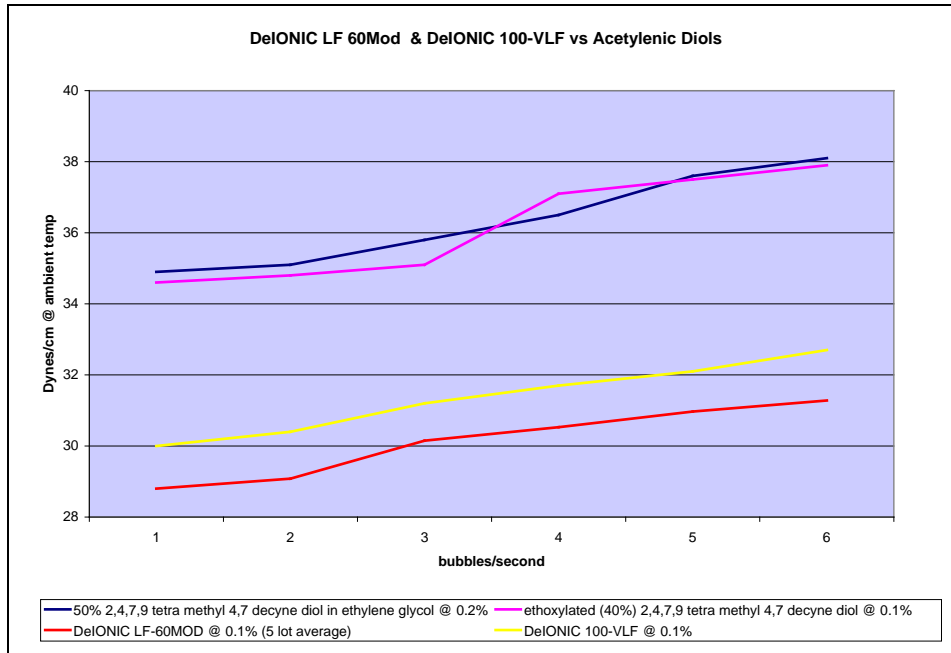
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SURFACE TENSION PROPERTIES of DeIONIC 100-VLF

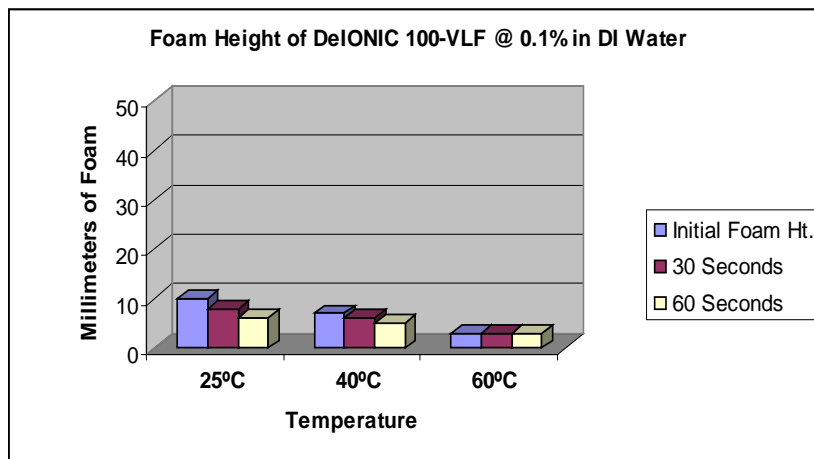
The dynamic surface tension of DeIONIC 100-VLF is shown in the graph below as compared to two acetylenic diols. Included is the dynamic surface tension of DeIONIC LF-60MOD*, which also exhibits very low, rapid surface tension reduction.



*Please request the technical bulletin for typical properties and use applications of DeIONIC LF-60MOD, also available from DeFOREST Enterprises.

FOAM HEIGHT & DRAVES WETTING IN DW @ 0.1% BY WT

The foam height of DeIONIC 100-VLF was determined using a modified Ross-Miles graduated cylinder shake test. A cloudy solution forms at each of the temperatures. **Draves Wetting** is “instantaneous” at 0.1% in deionized water at all temperatures.



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