

DeIONIC LF-EP-61

DeIONIC LF-EP-61 is a moderate foaming, nonionic alkoxyated alcohol having a cloud point in water of ~61°C. It has the highest cloud point in a series of DeFOREST alkoxyates with cloud points ranging from 15°C to 61°C.

SPECIFICATIONS

Appearance @ 25°C:	Almost colorless, clear to hazy liquid
pH (5% in DI water):	5.0 -9.0
Cloud Point (1% in DI water):	56° - 63°C
Color (Gardner):	1 max.
% Moisture:	1.0% max.

SOLUBILITY DeIONIC LF-EP-61 is soluble in alcohols and glycols. It is water soluble below its cloud point, dispersible above its cloud point (56°-63°C), and insoluble or dispersible in oils and solvents.

TYPICAL PROPERTIES

% Activity	99% min.
HLB (calculated)	~11.7
Density @ 25°C	~1.01 g/ml

- Moderate foam
- Alkali, electrolyte, & acid stable
- Dedusting
- Excellent water solubility/non-gelling
- Low temperature liquidity
- Hard water stable
- Excellent detergency & wetting
- Biodegradable

APPLICATIONS

- Powdered and granular alkaline detergents
- Powdered and liquid acid cleaners
- Light to heavy-duty alkaline cleaners
- Pickling baths
- Laundry detergents
- Detergent tablets
- Automatic car wash products
- Paint brush cleaners
- Pesticide formulations
- Wall and floor cleaners
- Scrub vac cleaners
- All purpose hard surface cleaners
- Oven cleaners
- Dedusting powdered formulations
- Aluminum and metal cleaners
- Approved for use as inert in non-food pesticide formulations and under 40CFR180.910 & 180.930

Continued

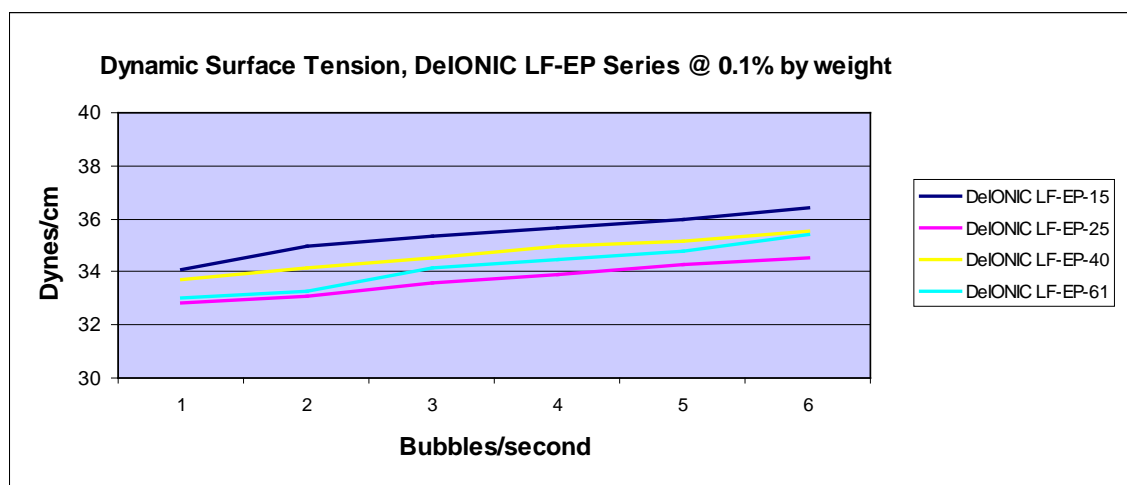
Modified Ross-Miles Foam Height

The foam height of **DeIONIC LF-EP-61** was determined at ambient temperature at 0.1% by weight in deionized water using a modified Ross-Miles graduated cylinder shake test.

	DeIONIC LF-EP-15	DeIONIC LF-EP-25	DeIONIC LF-EP-40	DeIONIC LF-EP-61
Initial	10	15	86	90
30 seconds	0	1	43	55
60 seconds	0	0	15	45
2 minutes	0	0	7	40

Dynamic Surface Tension of DeIONIC LF-EP Series

The dynamic surface tension of the DeIONIC LF-EP series of products was determined at 0.1% by weight in deionized water at ambient temperature.



Draves Wetting of DeIONIC LF-EP Series

Draves Wetting was determined at 0.1% by weight in deionized water at ambient temperature.

	DeIONIC LF-EP-15	DeIONIC LF-EP-25	DeIONIC LF-EP-40	DeIONIC LF-EP-61
Seconds	5	7	8	7