

Technical Data Sheet

NP-9 Surfactant

Properties	Value
Actives, Wt. %	100
Cloud Point (1)	54
HLB (2)	12.9
Moles EO	9
Pour Point (3)	-1
Appearance	Pale yellow liquid
pH, 1% aq solution	6
Viscosity @ 25°C (77°F), cP	243
Density @ 20°C (68°F), g/mL	1.055
Flash Pt, Closed Cup, ASTM D93	247°C – 477°F
Typical Performance Properties	
CMC (4)	60
Surface Tension (5)	32
Foam Height (6)	105/90
Draves 20 sec wetting conc, wt% @ 25°C (77°F) @ 50°C (122°F)	0.04

- (1) Cloud Point; °C, 1 Wt. % actives aqueous solution
- (2) HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents
- (3) Pour point: °C
- (4) Critical Micelle Concentration: ppm @ 25°C
- (5) Surface tension: dynes/cm at 1% actives, 25°C
- (6) Ross-Miles foam height: mm at 0.1 wt.% actives, 25°C, initial/5 minutes

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