DOWFAX™ 2A1 Surfactant

Product Information

Chemical Description

Name: Alkyldiphenyloxide Disulfonate

Surfactant Type: Anionic

Benefits

- Excellent solubility & stability in acidic, alkaline, bleach & other oxidizing systems
- Dispersant
- Emulsion stabilizer
- Rinses easily from surfaces

Applications

- Cleaners
- Textile
- Pulp & paper
- Agrochemicals
- Oilfield
- Emulsion polymerization
- Fragrance solubilization

Typical Physical Properties

Actives, wt%	45
Diluent	Water
Appearance	Liquid, amber
pH, 10% aq solution	8-10.5
Viscosity at 25°C (77°F), cps	145
Density at 25°C (77°F), g/mL	1.10-1.20
Flash Pt, Closed Cup, ASTM D93	None

Typical Performance Properties

Surface Tension(1)	Neutral(3)	34
	Alkaline(4)	35
Foam(2)	Neutral(3)	140/130
	Alkaline(4)	145/145
Critical Micelle Concentration in 0.1 NaCl at 25°C (77°F), g/100g		0.007

(1) Surface Tension: dynes/cm at 1 wt% actives, 25°C
(2) Ross-Miles foam height: mm at 1 wt% actives, 25°C, initial /5 minute
(3) Actual pH = 7 (distilled water)
(4) Actual pH = 12.5 (sodium hydroxide solution)

Solubility and Compatibility

- Soluble in water
- Highly soluble in strong acid and alkali solutions

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