


TRITON™ QS-15 Surfactant

Product Information

Chemical Description

Name: Polyether sulfate

Surfactant Type: Anionic

Benefits

- Excellent detergent
- Soluble & stable in hot alkaline solutions
- Uniquely effective in high soil loads

Applications

- Highly alkaline metal cleaners
- Bottle washing
- Zinc plating brightener
- Gas well cleaning
- Steam cleaners

Typical Physical Properties

Actives, wt%	100
Diluent	None
Appearance ⁽¹⁾	Amber liquid
pH, 5% aq solution	9
Viscosity at 25°C (77°F), cP	8500
Density at 25°C (77°F), g/mL	1.116
Flash Pt, Closed Cup, ASTM D93	182°C 360°F
Pour point, °C (°F)	11 (52)

⁽¹⁾ Appearance at 25°C

Typical Physical Properties

Surface Tension ⁽²⁾	Neutral ⁽⁴⁾	33
	Alkaline ⁽⁵⁾	36
Foam ⁽³⁾	Neutral ⁽⁴⁾	95/70
	Alkaline ⁽⁵⁾	150/15

⁽²⁾ Surface Tension: dynes/cm at 1 wt% actives, 25°C

⁽³⁾ Ross-Miles foam height: mm at 1 wt% actives, 25°C, initial/5 minute

⁽⁴⁾ Actual pH = 7 (distilled water)

⁽⁵⁾ Actual pH = 12.5 (sodium hydroxide solution)

Solubility and Compatibility

- Soluble in water
- Soluble in alcohols, aromatic solvents, chlorinated solvents, glycol ethers & ketones
- Insoluble in aliphatic solvents
- Chemically stable in aqueous solutions of strong alkali
- Compatible with anionic & nonionic surfactants

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<http://www.dow.com/surfactants>

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