



## TRITON™ BG-10 Surfactant

### Product Information

#### Chemical Description

Name: Alkyl polyglucoside

Surfactant Type: Nonionic

#### Benefits

- Mild
- Soluble in highly alkaline solutions
- Produces a moderate to high stable foam
- Good detergency & wetting properties
- Readily biodegradable

#### Applications

- Bottle washing
- Highly alkaline
- Detergents
- Metal cleaners
- Paint strippers
- Aluminum brighteners
- Glass cleaners
- Highly alkaline detergents
- Personal care products

#### Typical Physical Properties

Actives, wt%	70
Solvent	Water
Cloud Point <sup>(1)</sup>	>100
pH, 5% aq solution	7.6
Viscosity at 25°C (77°F), cP	3700
Density at 25°C (77°F), g/mL	1.152
Flash Pt, Closed Cup, ASTM D93	None
HLB <sup>(2)</sup>	-
Moles EO	0
Pour Point <sup>(3)</sup>	-5
Appearance <sup>(4)</sup>	Liquid, dark brown

<sup>(1)</sup> Cloud point: °C, 1 wt% actives aqueous solution

<sup>(2)</sup> HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

<sup>(3)</sup> Pour point: °C

<sup>(4)</sup> Appearance at 25°C

#### Typical Performance Properties

CMC <sup>(5)</sup>	1591
Surface Tension <sup>(6)</sup>	28
Foam Height <sup>(7)</sup>	112/115
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.15

<sup>(5)</sup> Critical Micelle Concentration: ppm at 25°C

<sup>(6)</sup> Surface tension: dynes/cm at 1% actives, 25°C

<sup>(7)</sup> Ross-Miles foam height: mm at 0.1 wt% actives, 25°C, initial / 5 minute

#### Solubility and Compatibility

- Soluble in water
- Soluble & stable in highly caustic solutions
- Compatible with anionic, cationic, and other nonionic surfactants

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