



TRITON™ CG-50 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%	50
Solvent	Water
Cloud Point ⁽¹⁾	>100
pH, 5% aq solution	10-12
Viscosity at 25°C (77°F), cP	3000
Density at 25°C (77°F), g/mL	1.08
Flash Pt, Closed Cup, ASTM D93	None
HLB ⁽²⁾	-
Moles EO	0
Pour Point ⁽³⁾	0
Appearance ⁽⁴⁾	clear Liquid

⁽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⁾ Appearance at 25°C

Typical Performance Properties

CMC ⁽⁵⁾	150
Surface Tension ⁽⁶⁾	29
Foam Height ⁽⁷⁾	112/112
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.13

⁽⁵⁾ Critical Micelle Concentration: ppm at 25°C

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

⁽⁷⁾ 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

Contact information goes here:

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