



TRITON™ CG-110 Surfactant

Product Information

Chemical Description

Name: Alkyl polyglucoside

Surfactant Type: Nonionic

Benefits

- Mild
- Low skin drying effects
- Good detergency & wetting properties
- Lower color than TRITON BG-10
- Readily biodegradable
- Moderate to high stable foam

Applications

- Glass cleaners
- Highly alkaline detergents

Typical Physical Properties

Actives, wt%	60
Solvent	Water
Cloud Point ⁽¹⁾	>100
pH, 5% aq solution	5.7
HLB ⁽²⁾	-
Moles EO	0
Pour Point ⁽³⁾	-15
Appearance ⁽⁴⁾	Transparent brown 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⁾	1748
Surface Tension ⁽⁶⁾	27
Foam Height ⁽⁷⁾	105/100
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.15

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

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