



TRITON™ CG-650 Surfactant Product Information

Chemical Description

Name: Alkyl Polyglucoside

Surfactant Type: Nonionic

Benefits

- Mild
- Soluble in alkaline solutions
- Produces moderate to high stable foam
- Low Streaking/Filming
- Good detergency & wetting properties
- Readily biodegradable

Applications

- Bottle washing
- Highly alkaline formulations
- Metal Cleaners
- Paint strippers
- Aluminum brighteners
- Glass cleaners
- Highly alkaline detergents
- Dairy cleaners

Typical Physical Properties

Actives % / Solvent	50 / Water
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	-
CMC ⁽³⁾ / Surface Tension ⁽⁴⁾	67.2 / 28.7
Foam Height ⁽⁵⁾	110 / 110
Pour Point	-18°C
Form ⁽⁶⁾	Liquid
pH, 5% aq solution	11
Viscosity at 40°C (104°F), cSt	622
Density at 40°C (104°F), g/mL	1.1079
Flash Pt. Closed Cup, ASTM D93	>100°C (est)

⁽¹⁾ Cloud point: °C, 1% Aqueous, ⁽²⁾ HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, ⁽³⁾ Critical micellization concentration: ppm at 25°C, ⁽⁴⁾ Surface tension: dynes/cm at 0.1% actives, 25°C, ⁽⁵⁾ Ross-Miles foam height: mm at 0.1 wt% actives 25°C, initial / 5 minutes ⁽⁶⁾ Form at 25°C

Solubility and Compatibility

- Soluble in water
- Soluble in concentrated electrolyte solutions
- Chemically stable in the presence of acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

Storage and Handling

If crystallization or sedimentation occurs when stored at temperature below 15°C, the product can be heated and stirred until uniform before use. The maximum storage temperature is 40°C.

Contact information:

North America: 1-800-447-4369
Europe: (+31) 11567-2626
Asia/Pacific: (+800) 7776-7776
Other areas: 1-989-832-1556
<http://www.dow.com/surfactants>

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