



Technical Data Sheet

TRITON™ CG-600 Surfactant

Chemical Description

Name: Alkyl Polyglucoside

Surfactant Type: Nonionic

Features & Benefits

- Mild
- Soluble in alkaline solutions
- Produces moderate to high stable foam
- Low filming/streaking
- Good detergency and wetting properties
- Readily biodegradable

Applications

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

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test	Property	Unit	Result
	Actives % / Solvent	%	50 / water
	Cloud Point ¹		> 100
	HLB ²		
	CMC ³ / Surface Tension ⁴		74.3 / 28.7
	Foam Height ⁵		80 / 80
	Pour Point	°C	6
	Form ⁶		Liquid

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

Typical Properties (Cont.)

Test	Property	Unit	Result
	pH, 5% Aq Solution		11
	Viscosity at 40°C (104°F)	cSt	1643
	Density at 40°C (104°F)	g/mL	1.0942
ASTM ⁷ D93	Flash Pt, Closed Cup	°C (est)	>100

7. ASTM: American Society for Testing and Materials

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

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

The product has the tendency to build viscosity and crystallization may occur at storage temperature below 35°C, the product can be heated and stirred until uniform before use. For convenience of handling and long-term storage in tanks protect from frost if possible or stored at 35–40°C.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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