



## Technical Data Sheet

### TRITON™ CG-50 Surfactant

#### Chemical Description

Name: Alkyl Polyglucoside

Surfactant Type: Nonionic

#### Features & Benefits

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

#### Applications

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

#### Typical Properties

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

Test	Property	Unit	Result
	Actives % / Solvent	%	50 / water
	Cloud Point <sup>1</sup>		> 100
	CMC <sup>2</sup> / Surface Tension <sup>3</sup>		871/28.7
	Foam Height <sup>4</sup>		112/112
	Pour Point	°C	0
	Form <sup>5</sup>		Yellowish slightly cloudy liquid
	pH, 1% Aq Solution		10.85

1. Cloud point: °C, 1% Aqueous
2. Critical micellization concentration: ppm at 25°C
3. Surface tension: dynes/cm at 0.1% actives, 25°C
4. Ross-Miles foam height: mm at 0.1 wt% actives 25°C
5. Form at 25°C

## Typical Properties (Cont.)

Test	Property	Unit	Result
	Viscosity at 40°C (104°F)	cSt	135
	Density at 40°C (104°F)	g/mL	1.1
ASTM <sup>6</sup> D93	Flash Pt, Closed Cup		None
	Draves 25 Sec Wetting Conc	wt% at 25°C	0.13

6. ASTM: American Society for Testing and Materials

### Solubility and Compatibility

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

### Disposal

Although the TRITON™ CG-50 Surfactant is considered readily biodegradable (> 60 percent biodegradation within 28 days per OECD 301F) it has been determined that for unused and contaminated product, the preferred options for disposal include sending to a licensed, permitted incinerator or other thermal destruction device. This is consistent with Dow's overall commitment to the Responsible Care Guiding Principles.

### 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.

### 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](http://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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