



Technical Data Sheet

## TRITON™ CG-650 Surfactant

### Chemical Description

Name: Alkyl Polyglucoside

Surfactant Type: Nonionic

### Features & Benefits

- Mild
- Soluble in alkaline solutions
- Produces moderate to high stable foam
- Low streaking/filming
- 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 <sup>1</sup>                        |      | > 100       |
|      | HLB <sup>2</sup>                                |      |             |
|      | CMC <sup>3</sup> / Surface Tension <sup>4</sup> |      | 67.2 / 28.7 |
|      | Foam Height <sup>5</sup>                        |      | 110 / 110   |
|      | Pour Point                                      | °C   | -18         |
|      | Form <sup>6</sup>                               |      | 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
6. Form at 25°C

## Typical Properties (Cont.)

| Test                  | Property                  | Unit     | Result |
|-----------------------|---------------------------|----------|--------|
|                       | pH, 5% Aq Solution        |          | 11     |
|                       | Viscosity at 40°C (104°F) | cSt      | 622    |
|                       | Density at 40°C (104°F)   | g/mL     | 1.1079 |
| ASTM <sup>7</sup> 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

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.

### 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.

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