

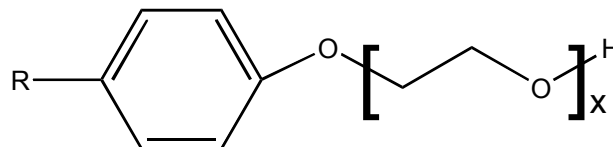
**TRITON™ X-100 & X-100 CG**

Surfactants

Chemical Description

Name: Octylphenol Ethoxylate

Surfactant Type: Nonionic



R = octyl (C8)

x = 9.5 (avg)

Benefits

- Excellent detergent
- Dispersant & emulsifier for oil-in-water systems
- Effective performance across a broad temperature range
- Excellent wetting agent
- TRITON X-100 CG offers a clearer grade product
- Readily biodegradable

Applications

- Household & industrial cleaners
- Paints & coatings
- Pulp & Paper
- Oilfield
- Textile
- Agrochemicals
- Metalworking Fluids

Typical Physical Properties

Actives, wt%	100
Cloud Point ⁽¹⁾	66
HLB ⁽²⁾	13.4
Moles EO	9.5
pH, 5% aq solution	6
Pour Point ⁽³⁾	1
Appearance ⁽⁴⁾	Pale Yellow liquid
Viscosity at 25°C (77°F), cP	240
Density at 25°C (77°F), g/mL	1.061
Flash Pt, Closed Cup, ASTM D93	251°C 485°F

⁽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⁾	189
Surface Tension ⁽⁶⁾	33
Foam Height ⁽⁷⁾	128/107
Draves 25 sec wetting conc, wt% at 25°C (77°F)	0.06

⁽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

Unrestricted – May be shared with anyone

©™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow
Dow Surfactants

Form No. 119-01882 JMS0707

Solubility and Compatibility

- Soluble in water
- Miscible in most polar organic solvents & aromatic hydrocarbons
- Insoluble in aliphatic hydrocarbons
- Chemically stable in most acidic & alkaline solutions
- Compatible with anionic, cationic, and other nonionic surfactants

Contact information goes here:

North America: 1-800-447-4369

Europe: (+32) 3-450-2240

Asia/Pacific: (+852) 2879 7339

Other areas: 1-989-832-1556

<http://www.dow.com/surfactants>

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.



Unrestricted – May be shared with anyone

©TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow
Dow Surfactants

Form No. 119-01882 JMS0707