

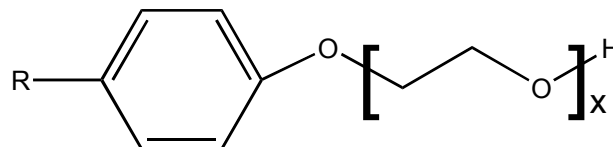
**TRITON™ X-100 Surfactant**

Product Information

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
- 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

Solubility and Compatibility

Contact information goes here:

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

- 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

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