



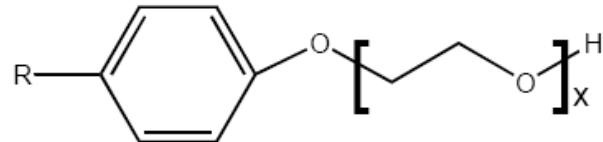
TRITON™ X-305 Surfactant

Product Information

Chemical Description

Name: Octylphenol Ethoxylate

Surfactant Type: Nonionic



R = octyl (C8)

x = 30 (avg)

Benefits

- Excellent emulsion stabilizer
- Provides freeze/thaw & ionic stability
- Effective at high temperatures
- Good solubility in the presence of salts or electrolytes & caustic solutions

Applications

- Emulsion polymerization
- Paints & coatings
- Floor polish
- Wax emulsions

Typical Physical Properties

Actives, wt%	70
Cloud Point ⁽¹⁾	>100
HLB ⁽²⁾	17.3
Moles EO	30
Pour Point ⁽³⁾	-7
Appearance ⁽⁴⁾	Pale yellow liquid
pH, 5% aq solution	7
Viscosity at 25°C (77°F), cP	470
Density at 25°C (77°F), g/mL	1.092
Flash Pt, Closed Cup, ASTM D93	None

⁽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 Physical Properties

CMC ⁽⁵⁾	1916
Surface Tension ⁽⁶⁾	49
Foam Height ⁽⁷⁾	103/25

⁽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

- Soluble in water
- Miscible in most polar organic solvents
- Insoluble in aliphatic & aromatic 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