



TRITON™ H-66 Surfactant  
Product Information

Chemical  
Description

Name: Phosphate polyether ester

Surfactant Type: Anionic

Benefits

- Hydrotrope
- Stable in acidic & alkaline conditions
- Uniquely effective with low foam surfactants
- Readily biodegradable

Applications

- Solubilizer for surfactants into low/moderately built detergents

Typical Physical Properties

Actives, wt%	50
Diluent	Water
Appearance <sup>(1)</sup>	Yellow liquid
pH, 5% aq solution	8.4
Viscosity at 25°C (77°F), cP	120
Density at 25°C (77°F), g/mL	1.249
Flash Pt, Closed Cup, ASTM D93	None
Pour point, °C (°F)	<-6 (<21)

<sup>(1)</sup> Appearance at 25°C

Typical Performance Properties

Surface Tension <sup>(2)</sup>	Neutral <sup>(4)</sup>	45
	Alkaline <sup>(5)</sup>	41
Foam <sup>(3)</sup>	Neutral <sup>(4)</sup>	50/8
	Alkaline <sup>(5)</sup>	105/25

<sup>(2)</sup> Surface Tension: dynes/cm at 1 wt% actives, 25°C

<sup>(3)</sup> Ross-Miles foam height: mm at 1 wt% actives, 25°C, initial / 5 minute

<sup>(4)</sup> Actual pH = 7 (distilled water)

<sup>(5)</sup> Actual pH = 12.5 (sodium hydroxide solution)

Solubility and  
Compatibility

- Soluble in water
- Insoluble in aromatic, chlorinated & aliphatic hydrocarbons
- Chemically stable in acidic & alkaline solutions
- Compatible with anionic & nonionic surfactants

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