Technical Data Sheet

TRITON™ H-66 Surfactant

Product Information

Chemical Description

Name: Phosphate polyether ester

Surfactant type: Anionic

Uses / Applications

- Solubilizer for surfactants into low/moderately built detergents

Benefits

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

Sustainability Attribute:

Returna™ Advancing biodegradability with Dow

Typical Physical Properties

Property	Unit	Result
Actives	wt%	50
Diluent		Water
Appearance[1]		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[2] D93		None
Pour point	°C (°F)	< -6 (< 21)

1. Appearance at 25°C.
2. ASTM: American Society for Testing and Materials

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Typical Performance Properties

Property	Unit	Result
Surface Tension[1]		
Neutral[2]		45
Alkaline[3]		41
Foam[4]		
Neutral[2]		50/8
Alkaline[3]		105/25

1. Surface Tension: dynes/cm at 1 wt% actives, 25°C
2. Actual pH = 7 (distilled water)
3. Actual pH = 12.5 (sodium hydroxide solution)
4. Ross-Miles foam height: mm at 1 wt% actives, 25°C, initial / 5 minute

Solubility and Compatibility

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

Contact:
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