


TERGITOL™ P-105 Nonionic Surfactant

Product Information

Chemical Description

Name: PO/EO regular block copolymer

Surfactant Type: Nonionic

Benefits

- Excellent detergent & dispersant
- Good handling properties
- Higher temperature wetting

Applications

- Dispersions
- High-temperature systems
- High performance cleaners & detergents
- Paper & textile processing
- Paints & coatings
- Agriculture

Typical Physical Properties

Actives, wt%	100
HLB ⁽¹⁾	13.8
Content EO	50%
Pour Point ⁽²⁾	45°C
Appearance	Waxy solid
pH, 1% aq solution	7.0
Density at 20°C (68°F), g/mL	aprox. 1

⁽¹⁾ HLB Range: <10 w/o emulsifier, > 10 o/w emulsifier, 10-15 good wetting, 12-15 detergents

⁽²⁾ Pour point: °C

Typical Performance Properties

Colour, APHA	250
Surface Tension ⁽³⁾	39

⁽³⁾ Surface tension: dynes/cm at 1% actives, 25°C

Solubility and Compatibility

- Soluble in water
- Soluble in most polar organic solvents
- Chemically stable in the presence of dilute acids, bases and salts
- Compatible with anionic, cationic, and other nonionic surfactants

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

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