

# Berol 199

## Castor Oil Ethoxylate

Berol® 199 is a non-ionic surfactant of the castor oil ethylene oxide adduct type

### Specifications

Cloud point	70-74 (5g product in 25 ml 25% butyldiglycol) °C
Color	≤ 5 Gardner
pH	6-8 (5% aqueous solution)
Water content	≤ 0.5 %

### Characteristics

Active content	100 %
Appearance	Clear to turbid liquid at 20°C
Density	1050 kg/m <sup>3</sup> at 20°C
Foam Height according to Ross-Miles, 50°C, 0.05%	immediately: 40 mm; after 5 min
HLB	12.3
Pour point	17 °C
Surface Tension according to Du Noüy, 25°C, 0.1% DIN 53914	39 mN/m
Viscosity	700 mPa.s at 20°C
Wetting power according to Draves, 25°C, 0.1%	≥600 sec
Solubility: 2-propanol	Soluble
Solubility: Ethanol	Soluble
Solubility: Low aromatic solvent	Insoluble
Solubility: Propylene glycol	Dispersible
Solubility: Water	Soluble
Solubility: White spirit	Insoluble
Solubility: Xylene	Soluble

#### Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

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