

# Phospholan PHB14

Phospholan PHB14 is an anionic surfactant of a complex phosphate ester, free acid.

## Specifications

Acid value	163 - 171 mg KOH/g
Appearance	Clear liquid at 20°C
Nonionics	≤ 22 %
Water content	≤ 0.5 %

## Characteristics

Contact angle, 0.1% on parafilm	after 10 sec: 95°; after 60 sec: 94°
Density	1285 kg/m <sup>3</sup> at 20°C
Flash point	≥ 150°C
Foam Height according to Ross-Miles, 50°C, 0.05%	immediately: 0 mm; after 5 min: 0 mm
Pour point	2 °C
Surface Tension according to Du Noüy, 25°C, 0.1% DIN 53914	55 mN/m
Viscosity	5400 mPa.s at 40°C
Wetting power according to Draves, 20°C, 0,1%	≥ 5 min
Solubility: 2-propanol	Soluble
Solubility: Ethanol	Soluble
Solubility: Propylene glycol	Soluble
Solubility: Soy bean oil	Insoluble
Solubility: Water	Soluble
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.

## Storage

Phospholan PHB14 should always be homogenized before use, unless the entire quantity is used. Stainless steel, polyethylene or glass-lined equipment is necessary for storage of acids and neutralised solutions of Phospholan PHB14 in order to prevent corrosion and subsequent contamination.

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