

## Dispersant AK 2169

Dispersant AK 2169 is a mixture of mono- and di- phosphate esters based on alcohol ethoxylate in acid form. Dispersant AK 2169 also contains some free alcohol ethoxylate.

### Specifications

Parameter	Limits	Method
Acid Value	70.0 - 78.0 mgKOH/g	AB-46-1225
Appearance	clear liquid	AB-46-1200
Water content	max 1%	AB-46-1208

### Typical Data

#### Chemical and Physical Data

	Typical Value
Density	1040 kg/m <sup>3</sup> at 20°C
Flash point	>150°C
pH	2.5 (1% in water)
Pour point	-10°C
Viscosity	approx 900 mPa.s at 20°C
Active content	100%

#### Solubility

The solubility of 5% Phospholan PE169 is as follows:

	Typical Value
White spirit	soluble
Ethanol	soluble
n-paraffin	soluble
Propylene glycol	soluble
Water	dispersible (has to be neutralised to be water-soluble)

#### Surface Active Characteristics

	Typical Value
Surface Tension according to Du Noüy, 25°C, 0.1% DIN 53914	28 mN/m at pH 6
Foam Height according to Ross-Miles	0 ppm immediately: 108 mm; after 5 min: 78 mm, 50°C, 0.05%, pH 6
Foam Height according to Ross-Miles	300 ppm immediately: 83 mm; after 5 min: 56 mm 50°C, 0.05%, pH 6
Wetting power according to Draves, 0.1%, pH 6, 25°C	23 sec

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

### Packaging / Storage

Homogenized before use, unless the entire quantity is used.

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