

# Hydropalat<sup>®</sup> WE 3182

**Product description** Hydropalat<sup>®</sup> WE 3182 is a nonionic emulsifier and dispersing agent

- Key benefits**
- Excellent anti-crater agent and surface wetting agent in paint and coating formulations
  - Color acceptance improver in aqueous paints and coatings
  - Nonionic emulsifier for fatty acids, fatty oils, solid fats or ester waxes
  - Also suitable emulsifier for silicone oils and naphthenic mineral oils

**Chemical nature** Ethoxylated natural oil

## Properties

**Physical form** Cloudy, yellow liquid

<b>Technical data</b>	Active ingredients	~ 97 %
<b>(no supply specification)</b>	Cloud point	1 % in 50 g/l NaCl ~ 71 °C
	Density	at 23 °C ~ 1.07 g/cm <sup>3</sup>
	pH value	1 % in 50 g/l NaCl ~ 7
	Dropping point	~ 16 °C
	Viscosity	Brookfield, 60 °C ~ 1500 mPa·s
	Surface tension	1g/l, water, 23 °C ~ 40 mN/m
	HLB value	~ 14
	Iodine color	EN 1557, 70 °C max. 3

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## Application

Hydropalat® WE 3182 is used to emulsify fatty acids, fatty oils, solid fats, ester waxes, many organic solvents and organic substances dissolved therein, e.g. polymers. Also suitable for silicone oils and naphthenic mineral oils. Effective solubilizer for cyclic compounds and dyes. It has also excellent properties in paint formulations as anti-crater agent and surface wetting agent. In high gloss coatings Hydropalat® WE 3182 often disperses even titanium dioxide resulting in excellent gloss.

## Formulation guideline

For surface wetting and as anti-cratering agent a dosage of 0.1 – 1 % is recommended. For emulsifying oils and waxes a dosage of 5 – 10 % in relation to the substances is required.

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## Storage

Hydropalat® WE 3182 is hygroscopic and readily soluble in water. Therefore, care needs to be taken to exclude moisture. Drums should be tightly resealed each time material is taken from them.

It should be stored in a dry place, tightly sealed. Hydropalat® WE 3182 might become cloudy if stored at low temperatures, but this has no effect on its performance. Drums that have been solidified or that show signs of precipitation should be heated to max. 50 – 70 °C and homogenized before use.

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### Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3182.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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