

# Hydropalat® WE 3197

**Product description** Hydropalat® WE 3197 is a nonvolatile, nonionic surfactant, suitable as wetting and dispersing agent.

**Chemical nature** Fatty alcohol alkoxylate, 100%

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## Properties

**Physical form** liquid

### Technical data

(not supply specification)

Cloud point	DIN EN 1890, Method A	~ 60 °C
pH value	DIN EN 1262, Solution B	~ 6.5
Color APHA (70°C)	DIN EN 1557	max. 50
Viscosity (23°C)	DIN EN 12092	~ 200 mPa s
Density (23°C)	DIN EN 51757	~ 1.00 g/cm <sup>3</sup>
HLB-value		~ 13
Surface tension 1g/l, 23°C		~ 27 mN/m

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## Application

Hydropalat® WE 3197 is a nonvolatile, non-ionic surfactant with low foaming behaviour and low surface tension. It exhibits good alkaline and acid resistance. Therefore it can be employed in a variety of refining mixing, impregnating and surface treatment processes. Additionally, it can be used for the emulsification process such as alkyd resins or epoxy resins.

Furthermore it is well suitable as a wetting and dispersing agent, but also as a surface modifier in various industrial coatings applications.

It imparts the following properties:

- low surface tension
- good substrate wetting
- improvement of gloss
- excellent emulsification properties
- good alternative to APEO

## Recommended concentrations

0.5 – 5% on total formulation

This dosage provides a good balance of performance and application properties. However, we recommend to determine the optimum level of Hydropalat® WE 3197 by laboratory trials to achieve best performance in the various applications.

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## Storage

Keep container tightly closed and dry; store in a cool place.

Hydropalat® WE 3197 is hygroscopic and absorb moisture very quickly why drums must be resealed each time its opened.

The product tends to precipitation and solidification especially at lower temperature, but this has no effect on its performance. Liquid that has solidified or that shows signs of precipitation should be heated to around 40°C and rehomogenized before it is processed.

Protect from temperatures above 70°C. Properties of the product change irreversibly on exceeding the limit temperature.

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### Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3197.

### 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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