

# Hydropalat® WE 3158

<b>Product description</b>	Hydropalat® WE 3158 is a low molecular weight wetting and dispersing agent with excellent pigment wetting properties
<b>Key benefits</b>	<ul style="list-style-type: none"> <li>■ Especially suitable for aqueous coatings and pigment pastes</li> <li>■ Good biodegradability due to linear fatty alcohol ethoxylated content</li> <li>■ Hydrophilic-lipophilic-balance (HLB value) of approx. 15</li> <li>■ Excellent substitute to nonyl-phenol-EO15</li> </ul>
<b>Chemical nature</b>	Mixture of ethoxylated linear fatty alcohols

## Properties

**Physical form** Water-white to pale yellow, clear liquid

<b>Technical data</b> (no supply specification)	Density	at 20 °C (68 °F)	~ 1.04 g/cm <sup>3</sup>
	Solid content		~ 80 %
	Water content		~ 20 %

## Application

Hydropalat® WE 3158 shows excellent pigment wetting and dispersing properties in aqueous, binder and solvent-free pigment pastes. It provides outstanding flow properties even at high pigment loads.

Hydropalat® WE 3158 improves pigment wetting and therefore also increases gloss and color intensity of the paint, especially in combination with organic pigments. Hydropalat® WE 3158 shows excellent results with water based alkyds, polyester resins and also aqueous polyurethane emulsions. Hydropalat® WE 3158 shows good biodegradability due to its linear fatty alcohol ethoxylated content.

**Formulation guideline** The dosage used in pigment pastes strongly depends on the actual pigments. Typical addition levels for pigment pastes, calculated on the weight of pigment are as follows:

inorganic pigments	1 – 5 %
organic pigments	10 – 30 %
carbon black	up to 50 %

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## Storage

Keep container tightly closed and in a cool place. Product that is frozen and/or tending to sedimentation can be liquified or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Protect from temperatures above 50 °C.

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### Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3158.

### 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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