

# Hydropalat<sup>®</sup> WE 3165

## general

- excellent wetting and dispersing agent for aqueous coatings and pigment pastes
- excellent pigment wetting properties, especially with organic pigments
- more hydrophilic than Dispex Ultra<sup>®</sup> FA 4480
- improves gloss and color development of aqueous top coats

## chemical nature

fatty alcohol ethoxylate

## Properties

### physical form

clear liquid

### storage

Hydropalat<sup>®</sup> WE 3165 should be stored in tightly closed containers and at temperatures between 10 – 40°C. Temperatures below 10 °C can cause cloudiness and solidification which is reversible upon heating.

### typical properties (no supply specification)

pH value (10% in water)	~ 6.8
cloud point	~ 77 °C
water	~ 35 %
active substance	~ 65 %
viscosity at 25°C	~ 550 mPa-s

## Application

Hydropalat<sup>®</sup> WE 3165 is an excellent wetting and dispersing agent for aqueous, binder- and solvent free pigment pastes. It shows excellent pigment wetting properties, especially with organic pigments, and gives good flow properties at high pigment loads. Furthermore it improves the gloss and color development of aqueous top coats based on different binders.

### recommended concentrations

typical dosage for Hydropalat<sup>®</sup> WE 3165 in top coats lies between 0.2% to 1.5%. Hydropalat<sup>®</sup> WE 3165 should be added to the mill base for optimum performance. The dosage in pigment pastes depends on the pigment used:

- 1 - 5% inorganic pigments
- 15 - 30% organic pigments
- 30 – 50% carbon black

Based on active content calculated on pigment weight.

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**Validity**

This Technical Data Sheet is valid for all versions of the Hydropalat WE 3165

**Safety**

When handling these products, 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**

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