

# Hydropalat<sup>®</sup> WE 3645

**Product description** Wetting and dispersing agent

**Key benefits**

- Wetting and dispersing agent for aqueous systems
- Co-dispersant for solvent and binder free pigment concentrates
- Color acceptance improver of pigment pastes and the paint
- Readily biodegradable product

**Chemical nature** Betaine

## Properties

**Physical form** Yellow, clear liquid

<b>Technical data</b> (not supply specification)	Solid content	DIN ISO 1625	44.0 – 46.0 %
	pH value	EN 1262	4.5 – 5.5
	Color APHA	DIN EN ISO 6271	≤ 150

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## Application

Hydropalat® WE 3645 shows excellent performance as dispersing and wetting agent in aqueous, binder and solvent free pigment pastes. By using Hydropalat® WE 3645, universal pigment pastes can easily be formulated. They can be incorporated in aqueous as well as in solvent based alkyd coatings.

Hydropalat® WE 3645 also improves the color acceptance of pigment pastes in the paint.

## Recommended concentrations

Typical dosages calculated on active substance are:

Inorganic pigments	2 – 8 %
Organic pigments	10 – 30 %
Carbon black	20 – 80 %

Hydropalat® WE 3645 should be added to the mill base to achieve optimal performance. Excellent combination partners are Dispex® Ultra FA 4483, Dispex® Ultra 4480 and Hydropalat® WE 3116.

For improving color acceptance of pigment concentrates and paints the dosage of Hydropalat® WE 3645 is between 0.2 to 1 % calculated on the paint or 1 to 5 % added to the pigment concentrate.

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## Storage

Keep container tightly closed and dry; store in a cool place between 0° and 40 °C.

Protect against freezing. At temperatures below 0 °C characteristics of the product are reversibly changed. Protect against temperatures above: 40 °C. Properties of the product change reversibly on exceeding the limit temperature.

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Suitable materials for containers: high density polyethylene (HDPE)

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### Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3645.

### 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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