Efka® FA 4665

General

low-molecular-weight dispersing agent

Efka® FA 4665 helps to prevent interfacial tension between hydrophilic pigments/extenders and binder. Advantages resulting from its polyfunctional composition and the incorporation of a very compatible polysiloxane are:

- Reduced dispersing time
- Stabilization of the pigment dispersion
- Reduced pigment sedimentation
- No formation of Bénard cells
- Reduced tendency to “orange peel”
- Prevention of flooding and floating
- Improved gloss and slip
- Prevent interfacial tension between hydrophilic pigments/extenders and binder

Chemical nature

Unsaturated carboxylic acid combined with a very compatible organically modified polysiloxane

Properties

Physical form

Transparent, slightly brownish liquid

Technical data
(not supply specification)

Solvent		alkylbenzene/diisobutyl ketone
Density	(20 °C)	0.94 – 9.96 g/cm^3
Solid content	(1h at 120 °C)	50.0 – 54.0 %
Acid value	(20 °C)	100 – 140 mg KOH/g
Flash point		~ 40 °C

Application

Efka® FA 4665 is especially suitable for medium- to high-polarity binder systems, for example:

- Alkyd/amino resin combinations
- Nitrocellulose systems
- Polyurethane and chlorinated polymer systems
- Acrylic polyisocyanate systems (2K acrylics)
- Chlorinated polymers

Efka® FA 4665 is not compatible with white spirit or paints which are diluted with white spirit.

Recommended concentrations

Calculation method for the required amount of active ingredient:

0.5 – 2.5 % by weight on inorganic pigment

0.1 – 1.0 % by weight on total formulation

Efka® FA 4665 should be added prior to the dispersing process.

Storage

Efka® FA 4665 should be stored in a cool and dry place.

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Validity

This Technical Data Sheet is valid for all versions of the Efka® FA 4665.

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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