

Efka[®] FA 4671

(old : Efka[®] 5071)



general

low-molecular-weight dispersing agent

Efka[®] FA 4671 helps to prevent interfacial tension between hydrophilic pigments/extenders and binder. Advantages resulting from its wide compatibility and the combination with a polysiloxane are:

- reduced dispersing time
- stabilization of the pigment dispersion
- prevention of flooding and floating
- reduced pigment sedimentation
- reduced tendency to "orange peel"
- improved gloss and leveling

chemical nature

alkylol ammonium salt of a high-molecular-weight carboxylic acid

Properties

physical form

clear, slightly brownish liquid

shelf life

Efka[®] FA 4671 should be stored in a cool dry place. When kept in original unopened containers, it has a total shelf life of 4 years from the date of manufacture. Storage at temperatures below 10 °C (50 °F) may lead to partial solidification. Reliquefy by heating contents to 35 – 40 C (95 –102 °F).

typical properties (no supply specification)

solvent	water
density at 20 °C (68 °F)	~ 1.09 g/cm ³
active ingredients	~ 53 %
acid value	~ 90 mg KOH/g
amine value	~ 100 mg KOH/g

Application

Efka[®] FA 4671 is suitable for low- or high-polarity solvent systems as well as water-based coatings.

It is used to reduce flooding and settling in non-polar systems, e.g., air-drying alkyd paints. It is an effective anti-settling agent in wash and shop primers.

It improves the color acceptance of tinting bases in white latex paints, resulting in higher pigment efficiency.

recommended concentrations

Calculation method for the required amount of active ingredient:

0.5 – 2.0 % by weight on inorganic pigment

2.5 – 5.0 % by weight on organic pigment

Efka® FA 4671 should be added prior to the dispersing process.

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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