

# Efka<sup>®</sup> FA 4642

(old : Efka<sup>®</sup> 5244)

## general

low-molecular-weight dispersing agent

Efka<sup>®</sup> FA 4642 is an additive for pigment dispersion. It reduces the interfacial tension between pigments or extenders and the vehicle. This means:

- reduced viscosity
- stabilization of the pigment dispersion
- reduced pigment sedimentation
- increased gloss and improved flow

## chemical nature

unsaturated polyamide and acid ester salts

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## Properties

### physical form

dark brownish liquid

### shelf life

Efka<sup>®</sup> FA 4642 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.

### typical properties (no supply specification)

density at 20 °C (68 °F)	~ 1.00 g/cm <sup>3</sup>
active ingredients	100 %
acid value	~ 65 mg KOH/g
amine value	~ 20 mg KOH/g
color	≤ 15

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## Application

Efka<sup>®</sup> FA 4642 is compatible with all solvent-free or solvent-based coating systems and does not affect the pot life of two-component systems.

Efka<sup>®</sup> FA 4642 offers these advantages when used to disperse organically treated bentonites

- shorter dispersion time
- easier handling of bentonites gel
- improved storage stability

**recommended concentrations**

Calculation method for the required amount of active ingredient:

inorganic pigments	0.1 – 1.0 % on pigment weight
organic pigments	1.0 – 2.5 % on pigment weight
bentonites gels	15.0 – 25.0 % on bentonites weight

When used in mill bases, add before grinding. Use as follows in bentonite dispersions:

87.5 – 88.5 %	solvent
10.0 %	bentonite
2.5 – 1.5 %	Efka® FA 4642

**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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