

# Efka<sup>®</sup> FA 4644

(old : Efka<sup>®</sup> 5044)

## general

low-molecular-weight dispersing agent

Efka<sup>®</sup> FA 4644 is an additive for pigment dispersion. It reduces the interfacial tension between pigments or extenders on one side and the vehicle on the other side. This means:

- reduced dispersing time
- stabilization of the pigment dispersion
- reduced pigment sedimentation
- increased gloss
- improved flow

## chemical nature

unsaturated polyamide and acid ester salts

## Properties

### physical form

transparent, yellowish liquid

### shelf life

Efka<sup>®</sup> FA 4644 should be stored in a cool and 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)

solvent	xylene/n-butanol/ monopropylene glycol
density at 20 °C (68 °F)	~ 0.94 g/cm <sup>3</sup>
active ingredients	~ 52 %
flash point	~ 25 °C (77°F)
acid value	~ 25 mg KOH/g
amine value	~ 16 mg KOH/g

## Application

Efka<sup>®</sup> FA 4644 is compatible with all coating systems (solvent-free or not). The pot life of two-pack systems is not affected. Advantages offered by using Efka<sup>®</sup> FA 4644 when dispersing organically treated bentonites:

- shorter dispersing time
- easier handling of the bentonite gel
- improved storage stability

**recommended concentrations**

Calculation method for the required amount of active ingredient:

inorganic pigments	0.2 – 2.0 % on pigment weight
organic pigments	2.0 – 5.0 % on pigment weight
bentonite gels	30.0 – 50.0 % on bentonite weight

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

85 – 87 %	solvent
10 %	bentonite
5 – 3 %	Efka® FA 4644

**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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