

Efka[®] FA 4644

Product description	Low-molecular-weight dispersing agent
	Efka [®] FA 4644 reduces the interfacial tension between pigments or extenders on one side and the vehicle on the other side.
Key benefits	■ Reduced dispersing time
	■ Stabilization of the pigment dispersion
	■ Reduced pigment sedimentation
	■ Increased gloss
	■ Improved flow
Chemical nature	Modified polyether, ammonium salt

Properties

Physical form	Transparent, yellowish liquid
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Technical data (not supply specification)	Solvent	xylene/n-butanol/ monopropylene glycol
	Density at 20 °C (68 °F)	~ 0.94 g/cm ³
	Active ingredients	~ 52 %
	Flash point	~ 25 °C (77 °F)
	Acid value	~ 25 mg KOH/g
	Amine value	~ 16 mg KOH/g

Application

Efka® 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® 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

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

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

Storage

Efka® FA 4644 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 4644 (incl. Efka FA 4644 AN)

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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