

# Efka<sup>®</sup> FA 4609



## general

- polymeric wetting and dispersing agent with acidic groups
- very efficient in wetting and dispersing of titanium dioxide, fillers, extenders and other inorganic pigments like iron oxides
- high pigment and filler loading
- suitable for solvent-based systems
- strong reduction of mill base viscosity
- reduced pseudoplastic rheological behavior
- increased hiding power
- broad compatibility in a wide range of resin systems
- suitable for high gloss systems

## chemical nature

solution of a copolymer with acidic groups

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## Properties

### physical form

clear, slightly yellowish liquid

### storage

Efka<sup>®</sup> FA 4609 should be stored in tightly closed containers and in a cool place. Mix well before use. In case of separation or turbidity heat-up to 30 – 40 °C and stir.

### typical properties

solvent	methoxy propyl acetate / alkylbenzenes 1:1
density at 20 C (68 °F)	~ 1.03 g/cm <sup>3</sup>
solid content	~ 52 %
acid value	~ 53 mg KOH/g

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## Application

Efka<sup>®</sup> FA 4609 shows outstanding performance in dispersing and stabilizing inorganic pigments in particular titanium dioxide. In combination with a universal solvent based grinding resin like Laropal<sup>®</sup> A 81, low mill base viscosities with reduced pseudo plastic flow behavior can be achieved. Furthermore, Efka<sup>®</sup> FA 4609 is highly suitable to disperse iron oxide pigments.

Efka<sup>®</sup> FA 4609 is suitable for many coating systems such as:

- automotive refinish and OEM coatings
- solvent-based industrial coatings
- coil coatings, especially TiO<sub>2</sub>

- wood coatings

Because of its anionic character, Efka® FA 4609 may have a catalyzing effect on the curing reaction in some baking enamels.

**recommended concentrations**

Recommended dosages active on pigment / filler of Efka® FA 4609 are:

fillers or extenders	1.5 – 2.5 %
TiO <sub>2</sub>	3.0 – 6.0 %
other inorganic pigments	3.0 – 6.0 %

Efka® FA 4609 should always be incorporated into grinding medium before the addition of pigments or fillers.

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**Validity**

This Technical Data Sheet is valid for all versions of the Efka FA 4609.

**Safety**

When handling these products, 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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