

# Efka<sup>®</sup> FA 4644

## general

low-molecular-weight dispersing agent

Efka<sup>®</sup> FA 4644 reduces the interfacial tension between pigments or extenders on one side and the vehicle on the other side. Product benefits are:

- reduced dispersing time
- improved 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

### storage

Efka<sup>®</sup> FA 4644 should be stored in a cool and dry place.

### 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 are:

- 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

## Contacts worldwide

## Asia

BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

## North America

BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

## Europe

BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

## South America

BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the Efka® FA 4644.

**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.

® = registered trademark, ™ = trademark of BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)