

Efka[®] FA 4644

general

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. 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[®] 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 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 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

North America

BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

Europe

BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
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

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