

Efka[®] FA 4654

(old : Efka[®] 5054 N)



The Chemical Company

general

low-molecular-weight dispersing agent

Efka[®] FA 4654 helps to prevent interfacial tension between hydrophilic pigments/extenders and binder, forming a lattice structure with the pigments at the same time. This means:

- reduced dispersing time
- stabilization of the pigment dispersion
- reduced pigment sedimentation
- reduced tendency to sag during application on vertical surfaces
- prevention of flooding

chemical nature

high-molecular-weight carboxylic acid salts

Properties

physical form

transparent, slightly brownish liquid

shelf life

Efka[®] FA 4654 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.

Efka[®] FA 4654 tends to become hazy at low temperatures. This can be reversed by heating.

typical properties (no supply specification)

solvent	alkylbenzene
density at 20 °C (68 °F)	~ 0.89 g/cm ³
active ingredients	~ 52 %
flash point	~ 42 °C (107°F)
acid value	~ 53 mg KOH/g
amine value	~ 51 mg KOH/g

Application

Efka[®] FA 4654 is ideal for dispersing organophilic bentonites because it reduces dispersion time, improves storage properties of the final paste and gives a thixotropic, easy-to-process paste.

Efka[®] FA 4654 is especially suitable for non- to medium-polar binder systems, i.e., air-drying alkyd resins, alkyd/amino resin combinations, chlorinated polymers and epoxies.

Efka[®] FA 4654 can cause discoloration in nitrocellulose varnishes.

recommended concentrations

Calculation method for the required amount of active ingredient:

inorganic pigments	0.5 – 2.0 % on pigment weight
organophilic bentonite	30.0 – 50.0 % on bentonite weight

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

85 – 87 %	solvent
10 %	bentonite
5 – 3 %	Efka® FA 4654

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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