

Efka[®] FA 4601

general

- anti-settling agent for non-aqueous coatings
- prevents sedimentation and re-agglomeration
- very effective with most pigments
- liquid and easy to incorporate

chemical nature

blend of selected fatty alcohol sulfates

Properties

physical form

viscous liquid

storage

Efka[®] FA 4601 should be stored in tightly closed containers and in a cool place.

typical properties

solvents	cyclohexanol / water
cloud point	< 5 °
viscosity at 23°C (73°F)	~ 125 mPa·s
pH value (10%)	~ 7

Application

Efka[®] FA 4601 is effective in most paints, provided they are not distinctly polar in their composition. Efka[®] FA 4601 is especially effective as an anti-settling agent with low-viscosity paint systems such as dipping paints or paint systems which are applied by the aerosol method. Arranged according to the type of binder, the following systems are suitable:

- all kinds of alkyd resin systems, as well as paints where the main part of the binder consists of alkyds
- oil paints and oleo-resinous varnishes
- urethane oils and resins, provided they do not contain free isocyanate groups
- epoxy resin and epoxy ester paints (if extremely high chemical resistance is required Efka[®] FA 4601 should only be used after suitable detailed tests)
- chlorinated rubber systems and their combinations,
- bituminous or tar based paints
- nitrocellulose synthetic resin lacquers with a high proportion of alkyd resins

Efka® FA 4601 is not suitable to be used in following systems:

- polyurethane paints
- paints based on unsaturated polyesters
- cyclized rubber paints

It must not be used with metallic pigments such as zinc dust or aluminium paints. In the case of pigments in the form of platelets, such as micaceous iron oxide, Efka® FA 4601 is usually ineffective as an anti-settling agent.

Efka® FA 4601 is very effective with most pigments. It is most important when pigments and fillers having a high specific gravity are used, e.g.:

- zinc chromate
- green chromium oxide
- red lead
- titanium dioxide
- iron oxide pigments, including natural ochre
- ithopone
- barytes

recommended concentrations

A dosage of 0.1 – 1.0% calculated on total formulation is recommended for effective performance.

The correct amount should be determined for each particular type of paint by means of separate tests.

Efka® FA 4601 is best incorporated by grinding it together with the pigments. It is not advisable to add it beforehand to the clear binder solution since this may lead to problems. It is also possible to post-add Efka® FA 4601 to the finished paint. In this case, however, it is necessary to ensure even distribution by intensive stirring.

Any retarded drying that may occur due to bigger amounts of Efka® FA 4601 should, if necessary, be eliminated by increasing the dosage of dryers.

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Validity

This Technical Data Sheet is valid for all versions of the Efka FA 4601;
Efka FA 4600, Efka FA 4600 NM.

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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