Technical Information

Efka® PU 4015

(old : Efka® 4015)

BASF
The Chemical Company

general

high-molecular-weight dispersing agent

Efka® PU 4015 is a polymeric dispersant for stabilizing inorganic and organic pigments with strong viscosity depressing properties. This results in:

- improved gloss
- reduced flooding problems
- higher color strength
- lower viscosity
- higher pigment loads

Due to its particularly good combination of price and performance, Efka® PU 4015 is a very attractive substitute for conventional wetting and dispersing agents.

chemical nature

modified polyurethane

Properties

physical form

clear, slightly yellowish liquid

shelf life

Efka® PU 4015 may solidify when stored below 10 °C (50 °F). Heat to 35–40 °C (95–104 °F) to reliquify. When kept in original unopened containers, it can be stored for up to 4 years from the date of manufacture.

typical properties (no supply specification)

solvent	butyl acetate/methoxypropyl acetate/alkylbenzene
density at 20 °C (68 °F)	~ 1.00 g/cm^3
active ingredients	~ 50 %
flash point	24 °C (75°F)
amine value	~ 10 mg KOH/g
color	≤ 7

Application

Efka® PU 4015 was developed for use in universal solvent-based pigment concentrates, particularly where cost-effective performance is vital. It can also be used as a general dispersing agent for all solvent-based paints from high-performance industrial coatings to normal decorative paints.

recommended concentrations

Calculation method for the required amount of active ingredient on pigment:

titanium dioxide	6–8 %
inorganic pigments	5–10 %
organic pigments	20–40 %
carbon blacks	30–60 %

Efka® PU 4015 should be incorporated in the mill base before adding the pigments.

Safety
When handling this product 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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