

# Efka<sup>®</sup> PA 4401

## general

high-molecular-weight dispersing agent

Efka<sup>®</sup> PA 4401 is a polymeric dispersant for stabilizing inorganic and organic pigments. This results in:

- improved gloss and DOI
- reduced flooding
- high color strength
- broad compatibility from low- to high-polarity systems, including nitrocellulose.

## chemical nature

modified polyacrylate

## Properties

### physical form

clear, slightly yellowish liquid

### storage

Efka<sup>®</sup> PA 4401 should be kept in a cool and dry place.

### typical properties (no supply specification)

solvent	n-butyl acetate/2-butanol
density at 20 °C (68 °F)	~ 0.95 g/cm <sup>3</sup>
active ingredients	~ 50 %
flash point	24 °C (75°F)
amine value	~ 51 mg KOH/g
color	≤ 5

## Application

Efka<sup>®</sup> PA 4401 is recommended for all kinds of high-quality solvent-based industrial coatings including automotive topcoats as well as pigment concentrates.

Care should be taken with Efka<sup>®</sup> PA 4401 because of its tendency to yellowing and gelling when combined with chlorinated polymers. It also has a tendency to yellowing when combined with solvent-free epoxies.

**recommended concentrations**

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

inorganic pigments	10 % of oil absorption value
organic pigments	25–50 % of BET value
carbon blacks	20 % of DBP absorption value

Efka® PA 4401 should be incorporated in the mill base before adding the pigments.

## 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® PA 4401.

**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**

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