

# Dispex<sup>®</sup> Ultra FA 4420

(old: Efka<sup>®</sup> 6220)

## general

dispersing agent

Dispex<sup>®</sup> Ultra FA 4420 stabilizes inorganic and organic pigments in water and solvents. In addition it makes the polar ingredients of universal colorants which are used in non-polar solvent-based paints more compatible. This results in:

- maximum color development of the colorant
- higher pigment loading
- optimum color acceptance of the colorants in the base-paints

## chemical nature

fatty-acid-modified polyester

## Properties

### physical form

dark brown liquid

### shelf life

Dispex<sup>®</sup> Ultra FA 4420 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.

### typical properties (no supply specification)

active ingredients	100 %
density at 20 °C (68 °F)	~ 0.89 g/cm <sup>3</sup>
flash point	~ 25 °C (77°F)
acid value	~ 22 mg KOH/g
amine value, potentiometric	~ 35 mg KOH/g
Gardner color number	≤ 18

## Application

Used in combination with Efka<sup>®</sup> 4560 and/or Efka<sup>®</sup> 1503, Dispex<sup>®</sup> Ultra FA 4420 is suitable for the formulation of universal colorants for decorative paints. Added to the (solvent- or water-based) base paint, Dispex<sup>®</sup> Ultra FA 4420 increases compatibility and color acceptance.

Dispex<sup>®</sup> Ultra FA 4420 is an activator for bentonites as well as for associated and acrylic thickeners.

**recommended concentrations**

Calculation method for the required amount of active ingredient:

universal colorants, inorganic pigments	5.0 – 10.0 % on pigment weight
universal colorants, organic pigments	10.0 – 20.0 % on pigment weight
base paints	0.5 – 1.5 % on total base paint
bentonites/thickeners	15.0 – 25.0 % on active substance

Dispex® Ultra FA 4420 can be incorporated into the mill base or used as a post additive.

**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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