

# Dispex® Ultra FA 4420

## general

dispersing agent

Dispex® 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® Ultra FA 4420 should be stored in a cool and dry place.

### typical properties (no supply specification)

active ingredients	~ 100 %
density at 20 °C (68 °F)	~ 0.89 g/cm <sup>3</sup>
acid value	~ 19 mg KOH/g
amine value, potentiometric	~ 35 mg KOH/g
Gardner color number	≤ 18

## Application

Dispex® Ultra FA 4420 is suitable for the formulation of universal colorants for decorative paints. Added to the (solvent- or water-based) base paint, Dispex® Ultra FA 4420 increases compatibility and color acceptance.

Dispex® 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.

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**Validity**

This Technical Data Sheet is valid for all versions of the Dispex Ultra FA 4420.  
Dispex Ultra FA 4420, Dispex Ultra FA 4420 AN

**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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