

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 ³
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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