

Dispex® Ultra PA 4503

(old : Efka® 1503)



general

dispersing resin

Dispex® Ultra PA 4503 is a dispersing resin with self-emulsifying properties. In combination with Dispex® Ultra PA 4560, it is suitable for the production of VOC-free pigment concentrates. The excellent compatibility of this combination with both water- and solvent-based decorative paint systems means these concentrates are suitable for the production of tinting systems where only low shear forces (shaking machines) are used. The chemical character of Dispex® Ultra PA 4503 makes it suitable for systems with a wide pH range (5–12).

chemical nature

fatty-acid-modified polymer, free of solvents and volatile amines

Properties

physical form

clear, yellowish liquid

shelf life

The product should be protected from frost and stored in a cool dry place (0 – 45 °C [32 – 113 °F]). When kept in original unopened containers, it will keep up to 4 years.

typical properties (no supply specification)

solvent	water
density at 20 °C (68 °F)	~ 1.08 g/cm ³
active ingredients	~ 75%
Color	≤ 6

Application

Dispex® Ultra PA 4503 is recommended as a grinding vehicle or in combination with the polymeric dispersants Efka® 4550 and Efka® 4560, suitable for the production of ultra-low-VOC water-based pigment concentrates.

recommended concentrations

3 parts Dispex® Ultra PA 4503 on 1 part dispersing agent (solids on solids)

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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