

Dispex[®] Ultra PA 4560

Product description	Dispex [®] Ultra PA 4560 is a high-molecular-weight dispersing agent. It stabilizes the pigment dispersion of inorganic and organic pigments and improves the following properties:
Key benefits	<div><div>■ Gloss</div><div>■ Color strength</div><div>■ Flocculation stability</div><div>■ Anti-flooding behavior</div></div>
Chemical nature	Modified polyacrylate

Properties

Physical form	Slightly hazy yellowish liquid
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Technical data (not supply specification)	Solid content	1h at 120 °C	38.0 – 42.0 %
	Amine value	20 °C	19.0 – 25.0 mg KOH/g
	Color value (Gardner)	20 °C	≤ 6
	Density	20 °C	1.020 – 1.060 g/m ³
	Solvent		Water

Application

Dispex® Ultra PA 4560 can be used to formulate low VOC pigment concentrates. These concentrates are characterized by an excellent compatibility with a wide range of resin systems. Dispex® Ultra PA 4560 is suitable to prepare resin-free pigment concentrates (RFPC).

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 % on DBP absorption value

Dispex® Ultra PA 4560 should be incorporated in the mill base before adding the pigments.

Storage

Dispex® Ultra PA 4560 may partially solidify when stored below 10 °C.
Heat to 35 – 40 °C to reliquefy.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® Ultra PA 4560.

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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