

Dispex[®] Ultra PX 4525

general

dispersing agent

Dispex[®] Ultra PX 4525 is a universal dispersant for all kinds of pigments for both water- and solvent-based paint systems; especially developed for label-free colorants. Because of its chemical nature it provides excellent compatibility and color development in polar and unpolar paint systems. This results in:

- excellent color development in aqueous- and solvent-based paints
- higher pigment loading
- optimum color acceptance of the colorants in the base-paints

chemical nature

blend of amine- and acid-functional polymers

Properties

physical form

brownish liquid

storage

Dispex[®] Ultra PX 4525 should be stored in a cool and dry place. It is recommended to homogenize the product before use.

typical properties (no supply specification)

solid content	~91 %
density at 20 °C (68 °F)	~ 1.08 g/cm ³
acid value	~ 33 mg KOH/g
amine value, potentiometric	~ 16 mg KOH/g
Gardner color number	≤ 9

Application

Dispex[®] Ultra PX 4525 is recommended as dispersing and wetting agent for the formulation of VOC-free systems, particularly universal colorants. It has specifically been designed to be used in label-free colorants and paints which have to comply with eco-label standards. Dispex[®] Ultra PX 4525 can also be used as a post-additive (compatibilizer) to increase compatibility and color acceptance, especially in water-based and solvent based decorative paints.

recommended concentrations

Calculation method for the required amount of active ingredient:

universal colorants, inorganic pigments	5.0 – 10.0 % active on pigment
universal colorants, organic pigments	10.0 – 20.0 % active on pigment
base paints	0.5 – 1.5 % on total base paint

Dispex[®] Ultra PX 4525 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 PX 4525.

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

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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