

Dispex® Ultra PX 4522

general

- low foaming nonionic wetting and dispersing agent with excellent pigment wetting properties
- especially suitable for aqueous and universal pigment concentrates

chemical nature

Nonionic polymer

Properties

physical form

colourless, slightly cloudy liquid

storage

Dispex® Ultra PX 4522 is hygroscopic and soluble in water. Therefore care needs to be taken to exclude moisture. It should be stored in tightly closed containers and in at room temperature. The packed product is not damaged by low temperatures or by frost. If stored below 20°C precipitation of the product is possible. This process is reversible by heating to max. 50-70°C and homogenizing before use.

typical properties

actives	~ 100%
setting point (DIN 51583)	~ 16 °C
viscosity Brookfield LVT, 23°C	~ 1000 mPa.s
pH value	~ 7

Application

Dispex® Ultra PX 4522 shows excellent wetting and dispersing properties in aqueous as well as universal binder- and solvent-free pigment pastes. It provides outstanding flow properties of the pigment concentrate even at high pigment load.

Dispex® Ultra PX 4522 improves pigment wetting of organic and inorganic pigments and therefore also increases gloss and color intensity of the paint. In case of inorganic pigments it is recommended to use it in combination with an anionic additive like Dispex® Ultra FA 4484, providing electrostatic stabilization of the pigments. Dispex® Ultra PX 4522 also highly recommended for aqueous universal pigment pastes which are compatible with aqueous and solvent based paints. VOC and SVOC values are very low and with Dispex® Ultra FA 4522 label-free pigment concentrates can be prepared.

recommended concentrations

the dosage used in pigment pastes strongly depends on the type and nature of the pigments. Typical addition levels for pigment pastes, calculated on the weight of pigment, are as follows:

inorganic pigments	1 - 5%
organic pigments	10 - 40%
carbon black	30 - 50%

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Validity

This Technical Data Sheet is valid for;

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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