

Dispex[®] Ultra FA 4431

general	<ul style="list-style-type: none"> • dispersant for inorganic pigments and fillers in solvent-based, solvent-free and water-based systems • reduced grinding and dispersion time • increased pigment loading in the mill base or pigment concentrate allowing to achieve a VOC level below 250 g/l in highly filled solvent-based systems • improved gloss, leveling and flow
chemical nature	fatty-acid-modified polyester

Properties

physical form	clear yellowish liquid				
storage	Dispex [®] Ultra FA 4431 should preferably be stored at room temperature (20 °C [68 °F]). At temperatures below 18 °C (64 °F) it can become hazy and solidify. This does not affect the quality of the product and can be reversed by heating.				
typical properties (no supply specification)	<table border="0" style="width: 100%;"> <tr> <td style="padding-right: 20px;">active ingredients</td> <td>> 98 %</td> </tr> <tr> <td>acid value</td> <td>~ 100 mg KOH/g</td> </tr> </table>	active ingredients	> 98 %	acid value	~ 100 mg KOH/g
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Application

Dispex[®] Ultra FA 4431 can be used in all solvent-based and solvent-free industrial and decorative coating systems. It is especially suitable for the wetting, dispersing and stabilizing of inorganic pigments and fillers in solvent-free epoxy and polyurethane systems, e.g., flooring or pipeline coatings.

It can also be used to decrease the viscosity of water-based resin-free inorganic pigment concentrates based on high-molecular-weight dispersing agents.

In addition Dispex[®] Ultra FA 4431 is suitable for dispersing and stabilizing of inorganic pigments and fillers in water-based decorative paints based on acrylic emulsions, achieving better rheology and improved gloss.

recommended concentrations	<p>The usual concentration is 1 – 3 % by weight as supplied based on filler or inorganic pigment.</p> <p>When used in mill bases, Dispex[®] Ultra FA 4431 should be added before grinding.</p> <p>If used for post addition in pigment concentrates, good dispersion should be ensured.</p> <p>Dispex[®] Ultra FA 4431 should be neutralized to a pH of 7.5 – 8.0 to make it water-soluble.</p>
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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra FA 4431.

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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