

PRELIMINARY PRODUCT INFORMATION

TYPE

Ionic and nonionic surfactant with pigment affinity groups for organic and inorganic pigments in waterborne coating systems

It is free of nonylphenoethoxylates and VOC.

FORM OF DELIVERY (f.o.d.)

Appearance

low-viscous liquid

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	50 - 300
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pH-Value DIN ISO 976

pH-value (5 %)		8 - 10
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Non-Volatile Matter DIN 55671

non-volatile matter (150 °C; 10 min)	[%]	48 - 52
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Colour / Appearance VLN 250

colour		yellow
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Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

density approx. (20 °C)	[g/cm ³]	1,04
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Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	> 100
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SPECIAL PROPERTIES

Additol XW 6581 effectively improves wetting of organic and inorganic pigments in all aqueous coating systems.

Additol XW 6581 reduces the grind viscosity and prevents pigment reflocculation during formulated paint storage.

SUGGESTED USES

Additol XW 6581 is a suitable wetting agent for neutral as well as amine neutralized waterborne coatings systems. It is highly effective for alkyd resin emulsions, acrylics, polyesters, epoxies, UV curing backbone resin systems, polyurethane emulsions as well as standard emulsions designed to formulate quality coating systems.

Additol XW 6581 is also suited for the preparation of pigment pastes containing no binders.

PROCESSING

Additol XW 6581 must be milled together with the pigments. It is recommended to add Additol XW 6581 to the resin base prior to adding the pigments.

The recommended dosage on pigment is:
for inorganic pigments 1.0 - 10.0 %
for organic pigments 10.0 - 40.0 %.

The optimum dosage is related to the entire system mix and should be determined by careful laboratory evaluation.

Foam generation in the milling base can be prevented by using suitable defoamers such as Additol VXW 6356, Additol VXW 6210, Additol VXW 4973 or Additol VXW 4926. Blends of Additol XW 390 or Additol VXW 4971 promotes better flow avoiding surface defects.

STORAGE

At temperatures from 5 °C to 25 °C storage stability packed in original containers amounts to at least 730 days.

DISTINGUISHING FEATURES

Additol XW 6581 is a KOH neutralized version of Additol VXW 6374. It is compliant with Chinese chemical inventory.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.