

Hydropolat[®] WE 3162

Product description Hydropolat[®] WE 3162 is an effective, low foaming, nonionic surfactant.

Chemical nature Blockcopolymer based on polyethylene glycol and polypropylene glycol.

Properties

Physical form Liquid

Technical data

(not supply specification)

Average molar mass		~ 2,450 g/mol
pH value	EN 1262 (solution B)	4.0 – 8.0
Cloud point	EN 1890 (method A)	31.0 – 35.0 °C
Color APHA	EN 1557 (70 °C)	≤ 40
Water content	EN 13267	≤ 0.3 %
Viscosity	EN 12092 (23 °C)	~ 500 mPa.s

Application

Hydropalat® WE 3162 is a low foaming wetting agent, which also acts as an effective defoamer.

Its high wetting power is particularly useful in phosphating baths.

It acts as a defoamer in aqueous formulations.

Another field of application is as an emulsifier in the polymerization process of vinyl and acrylic systems.

The product is also suitable to disperse pigments in water-based systems.

It imparts the following properties:

- Very low foaming
- Reasonable substrate wetting
- Gloss improvement
- Good emulsification/dispersing properties

Recommended concentrations

0.5 – 5.0 % Hydropalat® WE 3162 calculated on total formulation

This provides a good balance between performance and application properties.

However, we recommend to determine the optimum level of Hydropalat® WE 3162 by laboratory trials to achieve optimum performance in the various applications.

Storage

Hydropalat® WE 3162 is hygroscopic and soluble in water, with the result that it absorbs moisture very quickly. Drums/containers should be kept tightly sealed in a dry place in their tightly sealed original packaging.

Once opened, they should be tightly resealed each time material is taken from them.

Hydropalat® WE 3162 can become cloudy at low temperature and/or after a long period of storage, and this can cause some sedimentation.

This cloudiness is reversible by gentle heating at 50 - 60 °C.

Reconstitution has no effect on the end performance.

This is also valid, if the product solidified at very low temperatures.

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Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3162.

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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