

# Hydropalat® WE 3178

**Product description** Highly effective wetting and dispersing agent

**Key benefits**

- Excellent substrate and pigment wetting
- Emulsifier
- Gloss improvement
- Improves flow and leveling
- Non-ionic surfactant

**Chemical nature** C<sub>10</sub>-Guerbet alcohol ethoxylate (~ 8 EO)

## Properties

**Physical form** Liquid

**Technical data**

(no supply specification)

Active matter		~ 100%
pH value	EN 1262, solution B	~ 7.0
Density	DIN 51757, 23°C	~ 1.00 g/cm <sup>3</sup>
Cloud Point	EN 1890, method A	~ 56°C
HLB value		~ 13

---

## Application

Hydropalat® WE 3178 is an effective non-ionic substrate and pigment wetting agent for water borne coatings and inks. This wetting agent is effective in a wide variety of emulsion types including acrylics, styrenated acrylics and PUD's. The product is free of silicones, alkyl phenol ethoxylates (APE's), and solvent.

### Formulation guideline

0.2 - 2% on total formulation

Hydropalat® WE 3178 can be added at any stage of the manufacturing process. If added in the grind the product will aid the pigment wetting process

---

## Storage

Keep container tightly closed and in a cool place

Product is hygroscopic. Drums should be resealed each time they are opened

The product is not damaged by low temperatures or by frost. Hydropalat® WE 3178 is a cloudy liquid at room temperature and it tends to form sediment. Product that has solidified or that shows signs of sedimentation should be heated to 50-70°C and homogenized before use.

Protect from temperatures above: 70 °C

Properties of the product change irreversibly on exceeding the limit temperature.

### Contacts worldwide

Asia  
BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

North America  
BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

South America  
BASF S.A  
Rochavérá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

### Validity

This Technical Data Sheet is valid for all versions of the Hydropalat® WE 3178.

### 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)