

Aqueous Polyurethane Dispersion

## Technical Data Sheet

Name: Carfil® 9221 Revision  
Date: 2022-9-13

NO. WHSM\_9221  
Version: 1.4

### Product Description

INCI Name: Polyurethane-35

Carfil® 9221 functions as a film former for personal care products such as mask, mascara and eyeliner. Carfil® 9221 is easy to use, especially suitable for cold processes. The product also shows good compatibility with a broad range of cosmetic ingredients. Preservative : Phenoxyethanol 6500-7500 ppm and Caprylyl Glycol 2500-3500 ppm. The effects of other substances and pH values on the inactivation of preservative should be noted.

### Properties

1. Outstanding water resistance
2. Non-greasy and non-sticky feel on skin
3. Good film-formation
4. Easy to remove

### Characteristic data \*

Property	Value	Unit	Method
Appearance	Milky white emulsion		Visual
Solids	39-41	wt%	WHPU/T011-571-2017 (5cm 150°C,20min)
pH	7.0-9.0		GB 8325 -87
Viscosity(25°C)	≤300	mPa·s	GB/T2794-2013 (62/30/LV)
MFFT	0	°C	GB/T9267-2008

\*These properties are typical but do not constitute specifications.

### Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 9 months, performance assessment is recommended before use after shelf life. The

# Carfil<sup>®</sup> 9221



product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

**Disclaimer:** Wanhua Chemical Group Co., LTD. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.