

Aqueous Polyurethane Dispersion

## Technical Data Sheet

Name: Carfil®ST11  
Revision Date: 2018-7-25

NO. WHSM\_ST11  
Version: 1.1

### Product Description

INCI Name: Polyurethane-35(and) Polyurethane-11

Carfil®ST11 is an aqueous anionic aliphatic polyurethane dispersion. It offers outstanding results in mask product. Carfil®ST11 is easy to use, especially suitable for cold processes. The product also shows good compatibility with a broad range of cosmetic ingredients. Preservative: 2-phenoxyethanol 6500-7500 ppm and 1,2-Octanediol 2500-3500 ppm. The effects of other substances and pH values on the inactivation of preservative should be noted.

### Properties

1. Excellent 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 liquid		Visual
Solids	45.5±1.5	wt %	WHPU/T011-517-2017 (5cm, 150°C, 20min)
PH	6.0-9.0		GB/T 6920-1986
Viscosity(25°C)	10-2000	mPa·s	GB/T 2794-2013 (63/60/LV)
MFFT	Approx. 5	°C	GB/T 9267-2008

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

### Storage

# Carfil®ST11



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 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.