

# SILKY TONE-UP BB CREAM SPF 30 PA +++

CHN BR 081-13

The formula can give you good spreadability, and silky sensory after use. Abil EM 90 as co emulsifier into this formula can improve the water resistant performance.

PHASE	INGREDIENTS	% W/W
A	ABIL® Care XL 80 MB (Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone; Methoxy PEG/PPG-25/4 Dimethicone; Caprylic/Capric Triglyceride )	3.00
	ABIL® EM 90 (Cetyl PEG/PPG-10/1 Dimethicone )	0.30
	TEGOSOFT® TN (C12-15 Alkyl Benzoate )	2.00
	Ethylhexyl Triazone	3.00
	Ethylhexyl Salicylate	4.00
	Octocrylene	4.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	3.00
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine)	3.00
	Cyclopentasiloxane/Cyclohexasiloxane	4.00
	B	TEGOSOFT® DEC (Diethylhexyl Carbonate )
ABIL® Wax 9801 (Cetyl Dimethicone )		0.50
Titanium Dioxide (and) Trimethoxycaprylylsilane		5.00
Unipure Yellow LC 182 AS-EM (CI 77492, Iron Oxides, Triethoxycaprylylsilane)		0.20
Unipure Red LC 381 AS-EM (CI 77491, Iron Oxides, Triethoxycaprylylsilane)		0.10
Unipure Black LC 989 AS-EM (CI 77499, Iron Oxides, Triethoxycaprylylsilane)		0.02
C	Glycerin	3.00
	Water, deionized	58.18
	Xanthan Gum	0.20

D	Sepigel 305 (Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7)	0.80
E	Euxyl PE 9010 (Phenoxyethanol, Ethylhexylglycerin)	0.70

### Processing

- 1: Mix phase B, 13500 rpm
- 2: Add B into A, and heat phase A+B to 85 °C
- 3: Heat phase C to 85 °C
- 4: Add phase C into phase A/B without stirring
- 5: homogenize with 14000 rpm, 2min
- 6: Disperse phase D with stirring
- 7: Cool down to 40 °C, add phase E

### Remarks

Viscosity: 1.2 Pa.s (Brookfield RV DV-I, sp 05, 10rpm)  
 SPF: 31.4 UVA/SPF 0.33 (Calculated values, BASF sunscreen simulator)  
 pH 6.0

#### Disclaimer:

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