

# MOISTURIZING AFTER SUN LOTION (20% UREA)

FU 01/18-2

To treat your skin after taking a sun bath this Moisturising After Sun Lotion with high amounts of urea, a well-known moisturizer, can be applied. Additionally, TEGO® Care PBS 6 an O/W emulsifier supports the moisturization properties.

PHASE	INGREDIENTS	% W/W
A	TEGO® Care PBS 6 MB (Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate)	3.00
	TEGIN® M Pellets MB (Glyceryl Stearate)	0.35
	TEGO® Alkanol 1618 (Cetearyl Alcohol)	0.65
	TEGOSOFT® OER MB (Oleyl Erucate)	2.00
	TEGOSOFT® CT (Caprylic/Capric Triglyceride )	5.00
	TEGOSOFT® DEC (Diethylhexyl Carbonate )	5.00
B	Water	35.50
	Glycerin	5.00
	Triacetin (Glyceryl Triacetate)	2.00
C	Keltrol CG-SFT (Xanthan Gum)	0.50
D	Urea (50 % aq.)	40.00
E	Verstatil® PC (Phenoxyethanol; Caprylyl Glycol)	1.00
Z	Perfume	q.s.

## Processing

1. Heat phase A and B separately to approx. 85 °C.
2. Add phase A to phase B with stirring.1)
3. Homogenize.
4. Cool with gentle stirring and add phase C below 40 °C.
5. Homogenize for a short time.
6. Cool with gentle stirring and add phase D below 30 °C.
7. Homogenize for a short time.
8. Add phase E and stir well.

1) Important:

If phase A has to be charged into the vessel first, phase B must be added without stirring.

### Remarks

Formulation viscosity: 20 Pas (Brookfield RV DV-I, sp. 4, 5 rpm)

pH=6,5-7

Antimicrobial effectiveness testing: challenge test passed.

#### Disclaimer:

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