

# MOISTURIZING AFTER SUN LOTION (10% UREA)

FU 12/13-16

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	57.50
	Glycerin	5.00
	Triacetin (Glyceryl Triacetate)	1.00
C	Keltrol CG-SFT (Xanthan Gum)	0.50
D	Urea (50 % aq.)	20.00
Z	Preservative, 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.

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

## Remarks

Formulation viscosity: 15 Pas (Brookfield RVT, spindle 4, 5 rpm)

\*Formulation was tested with 0.7% Phenoxyethanol (and) Ethylhexylglycerin (Euxyl PE 9010, Schülke & Mayr)

### Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

### Evonik Nutrition & Care GmbH

Goldschmidtstraße 100

45127 Essen, Germany

P.O. BOX 45116 Essen

Phone +49 0201 173 2546

Fax +49 0201 173 712546

[personal-care@evonik.com](mailto:personal-care@evonik.com)

[www.evonik.com/personal-care](http://www.evonik.com/personal-care)