

# RICH AND CARING O/W CREAM

H 25/14-3

TEGO® Care PSC 3 is a natural, cost-efficient PEG-free O/W emulsifier that is able to handle oil phases from very low to very high amounts. This natural O/W cream contains 50% oil phase and is processed via a classical hot/hot process. The rich and caring skin feel is obtained by the emulsifier in combination with suitable emollients like TEGOSOFT® OER, a Jojoba oil alternative.

PHASE	INGREDIENTS	% W/W
A	TEGO® Care PSC 3 MB (Polyglyceryl-3 Dicitrate/Stearate)	4.00
	TEGIN® M Pellets MB (Glyceryl Stearate)	2.00
	Stearyl Alcohol	1.00
	TEGOSOFT® P (Isopropyl Palmitate )	12.00
	TEGOSOFT® CT (Caprylic/Capric Triglyceride )	16.00
	TEGOSOFT® OER MB (Oleyl Erucate)	5.00
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	10.00
	B	Water
Glycerin		2.00
C	Keltrol CG-SFT (Xanthan Gum)	0.20
	Glycerin	1.00
	Water	2.80
D	Sodium Hydroxide (10 % in water)	0.20
	Rokonsal BSB-N (Benzyl Alcohol; Glycerin; Benzoic Acid; Sorbic Acid)	0.80
Z	Perfume	q.s.

## Processing

1. Prepare phase C separately by adding the ingredients in the given order.
2. Heat phase A and B separately to 70-75 °C.
3. Add phase A to phase B with stirring. 1)

4. Homogenize.
5. Cool down with stirring to approx. 40°C.
6. Add phase C and stir well.
7. Add ingredients of phase D in the given order and stir well in between.
8. Adjust the pH value to 5.0 - 5.5

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

### Remarks

Emulsion viscosity: 60 Pas (Brookfield RV DV-I, sp. 93, 10 rpm)

**Viscosity** 60 Pas (Brookfield RV DV-I, sp. 93, 10 rpm)

**pH Value** 5.0 - 5.5

**Stability** Proven

#### 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)