

TEGO® Betain 810

Very mild amphoteric surfactant

Intended use

Surfactant

Benefits at a glance

- mucous membrane compatible
- low solubilizing power
- good foam behaviour
- free of preservatives

INCI (PCPC name)

Capryl/Capramidopropyl Betaine

Chemical and Physical properties (not part of specifications)

Form	low-viscous liquid
Active matter	approx. 35%

Properties

- TEGO® Betain 810 is a very mild surfactant: TEGO® Betain 810 exhibits very low mucous membrane irritation. E. g. in the in-vitro RBC-test TEGO® Betain 810 is evaluated as "basically non irritant".
- TEGO® Betain 810 provides high foam volume and pleasant lather properties to mild formulations.
- TEGO® Betain 810 is an amphoteric surfactant, it is compatible with anionic, TEGO® Betain 810 has only poor solubilizing properties and shows therefore no defatting properties.

- Free of preservatives.
- Low viscosity aqueous solution (pumpable).
- TEGO® Betain 810 may decrease the viscosity of concentrated surfactant systems.
- Biodegradable.
- TEGO® Betain 810 is produced almost without by-products.

Application

TEGO® Betain 810 as a very mild surfactant is used in all kinds of personal cleansing products and in technical applications:

- mild facial wash formulations
- shampoos
- concentrated shower and bath preparations
- intimate hygiene washes

Suggested usage concentration

1 – 10% TEGO® Betain 810

Packaging

880 kg pallet (4 x 220 kg drum)

Storage

The viscosity of TEGO® Betain 810 may increase remarkably when stored below 10 °C. This change of viscosity is reversible when the product is heated up to temperatures above 10 °C. The quality of the product is not influenced by this procedure.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets

Guideline formulations

2-in-1-Shampoo	
UK 59/18	
Phase A	
Sodium Laureth Sulfate (28%)	33.0%
TEGO® Betain 810 (Capryl/Capramindopropyl Betaine)	1.0%
TEGIN® G 1100 (Glycol Distearate)	1.5%
REWOMID® C 212 (Cocamide MEA)	1.7%
Water	37.6%
TEGO Betain® F 50 (Cocamidopropyl Betaine)	11.7%
Perfume	0.5%
Phase B	
Sodium Laureth Sulfate (28%)	10.0%
TEGO® Alkanol 16 (Cetyl Alcohol)	0.5%
ABIL® Wax 9814 (Cetyl Dimethicone)	2.5%
Preservative	q.s.
Citric Acid	ad pH ≈ 5.5
Preparation:	
A Mix the ingredients up to the perfume, heat up to 70 °C (the TEGIN® G 1100 has to be melted). Add perfume at a temperature below 50 °C, then water and TEGO® Betain F 50.	
B Heat the Sodium Laureth Sulfate up to 60 °C, then solubilize TEGO® Alkanol 16 and then ABIL® Wax 9814. Stir phase B into phase A and cool down.	

Mild Facial Cleansing Lotion WA 111/1	
Allantoin	0.3 %
Water	85.5 %
TEGOSOFT® GMC 6 (PEG-6 Caprylic/Capric Glycerides)	1.5 %
TEGO® Betain 810 (Capryl/Capramindopropyl Betaine)	3.7 %
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide; Inositol; Sodium Benzoate; Lactic Acid)	2.0 %
Hamamelis Extract	2.0 %
Ethanol	5.0 %
Preservative	q.s.
Perfume	q.s.
Preparation: Mix the ingredients in the given order.	

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