

# TEGO® Betain 810

## Product data record (PDR)

### 1. General information

#### 1.1 Supplier

Evonik Nutrition & Care GmbH  
 Personal Care Business Line  
 Goldschmidtstrasse 100  
 D-45127 Essen / Germany  
 Phone: +49 (201) 173-2524  
 Fax: +49 (201) 173-1828  
[personal-care@evonik.com](mailto:personal-care@evonik.com)  
<http://www.evonik.com/personal-care>

#### 1.2 Product Description

1.2.1 Raw material category/function Surfactant

#### 1.2.2 Ingredients according to INCI

Capryl/ Capramidopropyl Betaine

#### 1.2.3 Composition (INCI)

Components	Source	Percentage
Capryl/ Capramidopropyl Betaine	vegetable / synthetic	approx. 35.5 %
Sodium Chloride		approx. 7.5 %
Water		approx. 57 %

This composition information serves for information of our customers only. It is neither relevant for the composition listing according to Regulation (EC) No 1223/2009, nor does it reflect the chemical composition according to the different chemical regulations in the world which is disclosed in the table "information on ingredients/hazardous components" in the relevant parts of the respective (Material) Safety Data Sheets.

#### 1.2.4 Solvents, preservatives and other additives

INCI	CAS No.	EINECS / EC No.	content	Function
Water	7732-18-5	231-791-2	approx. 57 %	solvent

Unless mentioned in our PDR under section 2.1 (By products) or 2.2 (CMR), no components which are listed in Annex II of the Regulation (EC) No 1223/2009 and its modifications and updates are added to and are not to be expected in the above mentioned product due to the raw materials used and the production process.

## 2. Information on production process

General description of production process:

Conversion of fats/fatty acids and diamine into amidoamine, followed by reaction with chloroacetic acid to produce betaine

The product is not irradiated.

TEGO® Betain 810 is produced in the strictest absence of any animal derived material of any type.

Residual plant based source (dominant origin of main constituents): palm kernel oil

CITES:

TEGO® Betain 810 is not based on raw materials from species listed in CITES appendices.

GMO-Status:

The item does not contain ingredients that might have been derived from GM sources. However max 0.9 % cross-contamination is possible. Any protein or DNA is not present. Consequently the product will be PCR negative when tested.

### 2.1 By-products/Impurities

Residual organic solvents	not applicable
Nitrosamines (Volatile)	not detectable
Monochloroacetic acid	max. 5 ppm
Dichloroacetic acid	max. 20 ppm
Amidoamine/Amid Ammonium Salts	max. 0.3 %
Pesticides	meets the valid regulatory requirements for limits on agricultural pesticides
Total heavy metals	max. 20 ppm
As, Cd, Co, Cr, Hg, Ni, Pb, Sb	Each < 1 ppm
1,4-Dioxane	not applicable
Dimethylaminopropylamine	max. 10 ppm
Latex	not to be expected in the product due to the raw materials used and the production process
VOC	< 3 % according to SR (Swiss Right) 814.018

Any by-products are not added intentionally during the process and are technically unavoidable.

### 2.2 CMR (Carcinogenic, Mutagenic or Reprotoxic)

The use in cosmetic products of substances classified as CMR substances, of category 1A or 1B

or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 shall be prohibited.

Further Information:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:342:0059:0209:en:PDF>

Some of the CMR substances mentioned below and listed in Annex VI to Regulation (EC) No 1272/2008 may be used as starting materials or solvents for the production of our cosmetic raw materials and may require reporting under California Proposition 65 or the Safe Cosmetics Act, SB 484.

The presence of these prohibited substances has to be seen as non-intended. It is stemming from impurities of the starting materials or the manufacturing process which is technically unavoidable in good manufacturing practice.

CMR substance	Starting material	max. concentration/Remark
Ethylene Oxide	no	
Propylene Oxide	no	
Octamethylcyclotetrasiloxane (D4)	no	
2-Ethylhexanoic Acid	no	
n-Hexane	no	
Methyl Chloride	no	
Dimethyl Sulphate	no	
Formaldehyde	no	Formaldehyde is a ubiquitous material and may be detected in small traces in almost all natural and synthetic products. For details, a separate statement is available on request.

### 2.3 "Allergens" according to the Regulation (EC) No 1223/2009

The presence of substances, the mentioning of which is required under the column 'Other' in Annex III, shall be indicated in the list of ingredients in addition to the terms perfume or aroma.

The cosmetic raw materials and the cosmetic actives supplied by Evonik Personal Care are manufactured without the use of perfumes and fragrances. An analytical proof for the absence in traces of the substances to be mentioned in addition to the terms perfume or aroma is not performed in cosmetic raw materials, which are chemically produced.

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

### 2.4 Food Ingredients listed in Annex II of Regulation (EU) No 1169/2011

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

### 2.5 Nanomaterial

The product is not a nanomaterial according to the Cosmetics Regulation (EC) No 1223/2009, the Commission Recommendation on the definition of nanomaterial 2011/696/EU and the French Decree No. 2012-232. For details, a separate statement is available on request.



### 5.2.1 Regulatory status (cosmetic regulation)

Country		yes / no	Remark
China	CFDA:	yes	
Japan	JSQI: JCIA:	yes yes	JSQI No. 522079, but specifications not controlled JCIA No. 555212

## 6. Toxicology and Ecotoxicology

Refer to summary of ecotoxicological and toxicological data

## 7. Packaging size

880 kg (4 x 220 kg drum)

This information and all further technical advice are 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.