

TEGO® Solve 61 MB

Product data record (PDR)

1. General information

1.1 Supplier

Evonik Nutrition & Care GmbH
 Business Line Care Solutions
 Goldschmidtstrasse 100
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personal-care@evonik.com
<http://www.evonik.com/personal-care>

1.2 Product Description

1.2.1 Raw material category Solubilizer

1.2.2 Ingredients according to INCI

Polyglyceryl-6 Caprylate; Polyglyceryl-3 Cocoate; Polyglyceryl-4 Caprate; Polyglyceryl-6 Ricinoleate

1.2.3 Composition

Components	Source	Ratio
Polyglyceryl-6 Caprylate	vegetable	17 - 27 %
Polyglyceryl-3 Cocoate	vegetable	17 - 27 %
Polyglyceryl-4 Caprate	vegetable	17 - 27 %
Polyglyceryl-6 Ricinoleate	vegetable	17 - 27 %
Water		11 - 13 %

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

	CAS No.	EINECS / EC No.	content	Function
Water	7732-18-5	231-791-2	11 - 13 %	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:
Esterification of fatty acids with polyglycerin.

The product is not irradiated.

TEGO® Solve 61 MB is produced in the strictest absence of any animal derived material of any type.

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

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

		method
1,4-Dioxane	not applicable	
Residual solvents	not applicable	
Dichloroacetic acid	not applicable	Chromatography
Monochloroacetic acid	not applicable	Chromatography
Free amines	not applicable	Chromatography
Pesticides	meets the valid regulatory requirements for limits on agricultural pesticides	
Nitrosamines	not applicable	
Total heavy metals	max. 20 ppm	AAS-ICP
As, Cd, Co, Cr, Hg, Ni, Pb, Sb	Each < 1 ppm	AAS-ICP
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	

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 are 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	method
Ethylene Oxide	no		
Propylene Oxide	no		
Octamethylcyclotetrasiloxane (D4)	no		
2-Ethylhexanoic Acid	no		
n-Hexane	no		
Methyl Chloride	no		
Dimethyl Sulphate	no		

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.

3. Microbiological status

Total Viable Count max. 100 cfu/g
 Pathogens* absent/g

*Pathogens are: Enterobacteria, Pseudomonas, Enterococci, Candida albicans, Staphylococci

4. Shelf life / storage conditions

720 days after production (unopened original packaging)

5. Regulatory Status

5.1 HS-Code 340290
EU-CN-Code 34029010

5.2 Regulatory status (chemical regulations)

Europe

Components	REACH status	CAS No.	EINECS / EC No.
Polyglyceryl-6 Caprylate	Polymer	108777-93-1	Polymer
Polyglyceryl-3 Cocoate	Polymer	1096160-92-7	Polymer
Polyglyceryl-4 Caprate	Polymer	74504-65-7	Polymer
Polyglyceryl-6 Ricinoleate	Polymer	68936-89-0	Polymer

Other countries

Country		yes / no	Remark
Polyglyceryl-6 Caprylate			
Australia	AICS:	no	registration maybe initiated on request
China	IECSC:	yes	
Taiwan	TCSI:	yes	
Polyglyceryl-3 Cocoate			
Australia	AICS:	no	registration maybe initiated on request
China	IECSC:	no	Import up to 10 t/year by Evonik Specialty Chemical (Shanghai) Co., Ltd. approved
Taiwan	TCSI:	no	registration maybe initiated on request
Polyglyceryl-4 Caprate			
Australia	AICS:	no	
China	IECSC:	yes	
Taiwan	TCSI:	yes	

Country		yes / no	Remark
Polyglyceryl-6 Ricinoleate			
Australia	AICS:	yes	

China	IECSC:	yes	
Taiwan	TCSI:	yes	
For the whole reaction mass under CAS No. 1588911-75-4			
Canada	DSL NDSL	no	but notified by Evonik Canada Inc. for up to 10 t/year

In the following countries the relevant authorities currently do not require pre-market approval for cosmetic raw materials:

Brazil, Japan, South Korea, Philippines, USA

5.2.1 Regulatory status (cosmetic regulation)

Country		yes / no	Remark
Polyglyceryl-6 Caprylate			
China	CFDA:	yes	
Japan	JSQI:	no	
Polyglyceryl-3 Cocoate			
China	CFDA:	yes	
Japan	JSQI:	no	
Polyglyceryl-4 Caprate			
China	CFDA:	yes	
Japan	JSQI:	no	
Polyglyceryl-6 Ricinoleate			
China	CFDA:	yes	
Japan	JSQI:	no	

6. Toxicology and Ecotoxicology

Refer to summary of ecotoxicological and toxicological data

7. Packaging

800 kg (4 x 200 kg drum)