

**TECHNICAL DATA SHEET**

Effective date: 09.2020

LIQUA EMULSIFIER**INFORMATION ON SUBSTANCE / MIXTURE**

I.N.C.I.	Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate
Raw material origin	Vegetable
Manufacturing process	Conversion of polyglycerol with fatty acids.

TECHNICAL DATA**Composition**

Components	Source	Ratio
Polyglyceryl-6 Stearate	vegetable	85 – 98 %
Polyglyceryl-6 Behenate	vegetable	2 – 15 %

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.

Physical parameters

Appearance	Pellets
Color	Yellow
Odor	Characteristic
Relative density (d20/20)	No data available
Refractive index at 20°C	No data available
Angular rotation (°)	No data available
Flash point	214 °C

Solvents, preservatives and other additives

No additives.

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.

INFORMATION ON PRODUCTION PROCESS

General description of production process: Conversion of polyglycerol with fatty acids.

The product is not irradiated.

Liqua Emulsifier 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 oil

GMO-Status: The item contains ingredients derived from rapeseed (including oils and other refined ingredients). These ingredients are sourced from an "Identity Preserved" program and can be certified NON-GMO. However, max. 0.9%

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cross-contamination is possible. No protein or DNA is present. Consequently the product will be PCR negative when tested.

Contaminants

		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	excluded by origin and facilities, certified by suppliers	
Nitrosamines	not applicable	
Total heavy metals (as Pb)	max. 20 ppm	AAS-ICP
As, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, respectively	max. 1 ppm	AAS-ICP
Latex	Not to be expected to be found in the product due to the used raw materials and the production process	
VOC	< 3 % according to SR (Swiss Right) 814.018	

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.

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	-	

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

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

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

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Microbiological status

Total Viable Count: max. 100 cfu/g

Pathogens*: absent/g

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

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store product in tightly closed containers in a cool, well-ventilated place
Shelf Life	36 months
Custom Tariff	-

LEGISLATION

Certification	Fully based on renewable sources and thus, ECOCERT, NATRUE and COSMOS compliant.
Vegan and vegetarian statement	It does not contain animal ingredients.
EINECS	Polymer
C.A.S.	9009-32-9/ 64366-79-6

LABELING

Hazard pictograms	Not applicable
Hazard categories	Not classified
Hazard statements	Not classified
Precautionary statements	Not classified
European Union specific hazard statements	None

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.