

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Decalact

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Sodium caproyl/Lauroyl lactylate, Triethyl citrate
Manufacturing process	Obtained by mixing of components
Origin	Residual plant based source (dominant origin of main constituents): palm, coco, sugarcane, sugar beet, cassava, corn
Raw material category	Multifunctional

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Composition

Components	%
Sodium Caproyl/ Lauroyl Lactylate	> 50
Triethyl Citrate	> 25-50
Additives	none

Physical and chemical parameters

Appearance	Liquid
Color	Clear, yellow to brownish
Odor	Characteristic
Solubility	Dispersible in water and oil
pH-value 1% in distilled water	4,0 – 7,5
Acid value	60,00 – 95,00 mg KOH/g

Biological parameters

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

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

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By-Products/Impurities*

Residual organic solvents	not applicable
Free amines	not applicable
Nitrosamines	not applicable
Monochloroacetic acid	not applicable
Dichloroacetic acid	not applicable
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
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

*Potentially occurring by – products are not added intentionally. Impurities e.g. residual solvents are technically unavoidable.

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in a cool and dry place, protected from light in tightly closed original container
Shelf Life	Min 24 months under good storage conditions
Transport	-

LEGISLATION

Certification	-
Irradiation	Not irradiated
Vegan / vegetarian declaration	Produced in the absence of any animal derived material of any type
CITES	Not based on raw materials from species listed in CITES appendices.
GMO-Status	The item contains moieties from sugar beet & corn (including oils and other refined ingredients). During the production no GMOs and derivatives from GMOs are used. All reasonable measures have been taken to avoid cross-contamination with GMOs or derivatives from GMOs.
CMR Substances	According to Cosmetic Regulation 1223/2009 the use of substances classified as CMR (Carcinogenic, Mutagenic or Reprotoxic) substances of category 1A or 1B or 2, under

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	Part 3 of Annex VI to Regulation (EC) No 1272/2008 in cosmetic products shall be prohibited. Some of the CMR substances mentioned below and listed in Annex VI to Regulation (EC) 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 California Safe Cosmetics Act, SB 484. The presence of these substances has to be seen as non intended and it is technically unavoidable in good manufacturing practice. Traces of CMR substances can derive from impurities of the starting materials or the manufacturing process.			
	CMR Substance	CAS Nr.	Starting material	Max. concentration/ Remark
	Ethylene Oxide	75-21-8	no	-
	Propylene Oxide	75-56-9	no	-
	Octamethylcyclotetrasiloxane (D4)	556-67-2	no	-
	2-Ethylhexanoic Acid	149-57-5	no	-
	n-Hexane	110-54-3	no	-
	Methyl Chloride	74-87-3	no	-
	Dimethyl Sulphate	77-78-1	no	-
	1,4-Dioxane	123-91-1	no	-
	Formaldehyde	50-00-0	no	Formaldehyde is a ubiquitous material and may be detected in small traces in almost all natural and synthetic products.
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. None of those substances have been intentionally added to our cosmetic ingredients or are formed during the manufacturing process according to our knowledge of the chemistry. An analytical proof for the absence of traces of those substances is not performed in our cosmetic ingredients.			
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.			
Nanomaterial	The product is not a nanomaterial according to the definition given by Cosmetics Regulation (EC) No 1223/2009, the Commission Recommendation 2011/696/EU and the French Decree No. 2012-232.			
Regulatory Status (Chemical	Europe			

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Regulations)	Components	REACH status		CAS No.	EINECS / EC No.
	Fatty acids, C10-12, esters with polylactic acid, sodium salts / Sodium Caproyl/Lauroyl Lactylate	Reg. No. 01-2119957863-23		1312021-45-6	Not applicable: New substance ECHA Inventory list No 700-937-1
	Triethyl Citrate	01-2119955435-32		77-93-0	201-070-7
	Other Countries/Regions				
	Country	yes / no		Remark	
	Sodium Caproyl/Lauroyl Lactylate				
	Australia	AICS:		no	
	China	IECSC:		no	
	Canada	DSL: NDSL:		no no	
	Taiwan	TCSI:		no	
	Triethyl Citrate				
	Australia	AICS:		yes	
	China	IECSC:		yes	
	Canada	DSL: NDSL:		Yes no	
	Taiwan	TCSI:		yes	
Regulatory Status (Cosmetic Regulations)					
	Country	yes / no		Remark	
	Sodium Caproyl/Lauroyl Lactylate				
	China	CFDA:		no	
	Japan	JSQI: JCIA:	no yes	JCIA No. 564158	
	Triethyl Citrate				

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	China	CFDA:	yes	IECIC No.04859
	Japan	JSQI: JCIA:	no yes	JCIA No. 551073
EINECS	-			
CAS	1312021-45-6; 77-93-0			

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.