

**TECHNICAL DATA SHEET**Effective date: 04.2019
Rev.1**Dermosoft Complex****INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Sodium levulinate, Sodium anisate, Glycerin, Aqua
Description	Multi functional additive, hydrating, conditioning, masking, with an excellent antimicrobial profile
Origin of starting material	100% naturally derived, COSMOS approved and compliant with other standards for natural cosmetics
Manufacturing process	Multifunctional blend of organic acids from natural origin
Raw material category	Multifunctional antimicrobial

TECHNICAL DATA**Composition**

Substance	%
Glycerin	> 25-50
Aqua	> 25-50
Sodium levulinate	> 10-25
Sodium anisate	> 5-10

Physical and chemical parameters

Appearance	Liquid
Color	Clear, colorless to light brownish liquid
Odor	Characteristic, slight anise
pH	7,0 - 8,5
Refractive index at 20°C	1,4350 - 1,4550

Biological parameters

Total Viable Count	max. 100 cfu/g
Pathogens*	Absent /g
Antimicrobial performance	Gram+ : very good Gram- : very good Yeasts: fair Molds: very good

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

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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
DEG	< 0,1 %

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Stored in a clean, cool and dark place. During storage a slight intensification of the color may occur
Shelf Life	36 months, in closed packaging and the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
Irradiation	The product is not irradiated
BSE/ TSE	Produced in the absence of any animal derived material of any type. Based on the information on the manufacturing process and production site no contamination with BSE/ TSE risk materials is to be expected.
GMO-Status	The item contains moieties from rape (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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	<p>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.</p> <table border="1"><thead><tr><th>CMR Substance</th><th>CAS Nr.</th><th>Starting material</th></tr></thead><tbody><tr><td>Ethylene Oxide</td><td>75-21-8</td><td>no</td></tr><tr><td>Propylene Oxide</td><td>75-56-9</td><td>no</td></tr><tr><td>Octamethylcyclotetrasiloxane (D4)</td><td>556-67-2</td><td>no</td></tr><tr><td>2-Ethylhexanoic Acid</td><td>149-57-5</td><td>no</td></tr><tr><td>n-Hexane</td><td>110-54-3</td><td>no</td></tr><tr><td>Methyl Chloride</td><td>74-87-3</td><td>no</td></tr><tr><td>Dimethyl Sulphate</td><td>77-78-1</td><td>no</td></tr><tr><td>1,4-Dioxane</td><td>123-91-1</td><td>no</td></tr><tr><td>Formaldehyde</td><td>50-00-0</td><td>no</td></tr></tbody></table>	CMR Substance	CAS Nr.	Starting material	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
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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 of Cosmetic Regulation 1223/2009, 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	None of the substances listed in Annex II of Regulation (EU) No 1169/2011 have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.																														
Nanomaterials	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. For details, a separate statement is available on request.																														
Substances of Very High Concern (SVHC)	The candidate list of substances of very high concern is regularly updated and published by ECHA. If applicable, the information on the substance/s from the candidate list, contained in the product in reportable amounts, is included in section 3 of the product related Safety Data Sheet (MSDS).																														
Animal Testing	We hereby confirm that the manufacturer has never conducted any animal tests with																														



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	the product nor has it ordered such tests at third parties or third parties have conducted such tests with their knowledge and acceptance to fulfill the requirements of Cosmetic Regulation (EC) No. 1223/2009. Therefore the product is in full compliance with Cosmetic Regulation (EC) No. 1223/2009.			
Regulatory Status (Chemical Regulations)	Europe			
	Components Chemical name/INCI	REACH status	CAS No.	
	4-oxovaleric acid, sodium salt/ Sodium levulinate	Reg. No. 01-2120764150-64	19856-23-6	243-378-4
	Sodium anisate	Reg. No. 01-2120767068-46	536-45-8	208-634-1
	Glycerol/Glycerin	Exempt; Annex V, No.9	56-81-5	200-289-5
	Water/Aqua	Exempt; Annex IV	7732-18-5	231-791-2
	Other Countries/Regions			
	Country	yes / no	Remark	
	Sodium Levulinate			
	Australia	AICS:	no	
	China	IECSC:	yes	
	Canada	DSL: NDSL:	yes n.a.	
	Taiwan	TCSI:	yes	
	Sodium Anisate			
	Australia	AICS:	no	
	China	IECSC:	no	
	Canada	DSL: NDSL:	no no	
	Taiwan	TCSI:	yes	
	Glycerin			
	Australia	AICS:	yes	
China	IECSC:	yes		
Canada	DSL: NDSL:	yes n.a.		
Taiwan	TCSI:	yes		

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Regulatory Status (Cosmetic Regulations)	Country			yes / no	Remark
	Sodium Levulinate				
	China	CFDA:	yes	IECIC No.07759	
	Japan	JSQI: JCIA:	no yes	JCIA No. 557441	
Sodium Anisate					
	China	CFDA:	No	IECIC No. -	
	Japan	JSQI: JCIA:	no yes	JCIA No. 560678	
Glycerin					
	China	CFDA:	yes	IECIC No.02421	
	Japan	JSQI: JCIA:	no yes	JCIA No. 551104	
EINECS	200-289-5; 231-791-2; 243-378-4; 208-634-1				
CAS	56-81-5; 7732-18-5; 19856-23-6; 536-45-8				

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.