

Technical Data Sheet

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1.	INFORMATION ON INGREDIENT	
1.1	Trade Name	dermofeel® G 10 LW
1.2	Manufacturer	
1.3	Supplier	Dr. Straetmans GmbH Merkurring 60 - 62 D-22143 Hamburg, Germany Tel.: +49 - (0)40 - 66 93 56 0 Fax: +49 - (0)40 - 66 93 56 10 E-Mail: info@dr-straetmans.de
1.4	Ingredient Category	Emulsifier
1.5	Chemical Description	Solution of the ester of polyglycerol-10 with lauric acid in water, stabilized with citric acid
1.6	INCI-Name	Polyglyceryl-10 laurate, Aqua, Citric acid
1.7	EINECS / ELINCS	Polymer, 231-791-2, 201-069-1
1.8	CAS-no.	34406-66-1, 7732-18-5, 77-92-9
1.9	for colors: C.I. Colipa-no.	Not applicable
1.10	Registration Status	Japan: JCIC 521150/42 USA: FDA 21cfr172.854

2.	MANUFACTURING PROCESS INFORMATION	
2.1	Origin of starting material	Vegetable
2.2	Description of manufacturing process	Partial esterification of Polyglycerol with Lauric acid
2.3	Residues from Manufacturing	
2.3.1	Catalyst	not to be expected
2.3.2	Solvent	not to be expected
2.3.3	Others	not known
2.4.	Storage Time	36 months

3.	SPECIFICATION	
3.1	Assay	50% active ingredient
3.2	Additives	
3.2.1	Preservation, %	none
3.2.2	Antioxidants, %	none
3.2.3	Solvent, %	Water 48 - 50%
3.2.4	Other Additives, %	Citric acid 0 - 2%

3.3	Microbiological Specification	
3.3.1	Total Plate Count (cfu/g) Aerobic Germs (cfu/g)	no contamination possible
3.3.2	Pathogenic Organisms	no contamination possible
3.4	Impurities	
3.4.1	1,4-Dioxan	not to be expected
3.4.2	Ethylene oxide	not to be expected
3.4.3	Residual Solvent	not to be expected
3.4.4	Monomers	Polyglycerol, glycerol, lauric acid
3.4.5	Free Amines	not to be expected
3.4.6	Nitrosamines	not to be expected
3.4.7	Heavy Metals	< 10 ppm
3.4.8	Pesticides	not known
3.4.9	Polycyclic Aromatic Hydrocarbons	not known
3.4.10	Other Impurities	not known
3.5	Analysis	
3.5.1	Methods Detections Limits	Specification and methods, see attachment
3.5.2	Analysis of Impurities (Methods Detections Limits)	Heavy metall analysis, see attachment

4.	TOXICOLOGY	
4.1	Acute Toxicology	LD ₅₀ -values [mg/kg]: rat > 30000 see WHO-report polyglycerol esters
4.2	Dermal Irritation	none
4.3	Mucous Irritation	none
4.4	Sensitization	none
4.5	Genotoxicity (e.g. Ames-Test)	none
4.6	Percutaneous Permeation	not known
4.7	Subchronic Toxicity	not known
4.8	Teratogenicity	none
4.9	Toxicokinetics	not known
4.10	Additional Toxicitytests	not known
4.11	Phototoxicity	not known
4.12	Photosensitization	not known
4.13	Inhalative Toxicity	not known

5.	HUMAN EXPERIENCE	
5.1	Data on Human Dermal Irritation	Widely used cosmetic raw material, until now no negative effects have been reported
5.2	Data on Human Sensitization	Widely used cosmetic raw material, until now no negative effects have been reported

6.	ECOLOGICAL DATA	
6.1	Biological Elimination	No data available
6.2	Aquatic Toxicity	not known
6.3	Water Endagering Class	1 self-clasification based on: VwVwS attachm. 2 Nr clasification Polyglycerol 1420 1 Glycerol monoester 690 1 Glycerol diester 691 1
6.4	Bioaccumulation Potential	not known
6.5	Other Information	not known

7.	SAFETY DATA SHEET	see attachment
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