

Technical Data Sheet

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1.	INFORMATION ON INGREDIENT	
1.1	Trade Name	dermofeel® GSC
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	Glycerides, C16-18, mono-, di-, and tri-citrates
1.6	INCI-Name	Glyceryl Stearate Citrate
1.7	EINECS / ELINCS	259-855-5 or 294-598-2
1.8	CAS-no.	55840-13-6 or 91744-36-4
1.9	for colors: C.I. Colipa-no.	Not applicable
1.10	Registration Status	Europe: Food additive E 472 c US: 21cfr172.755 Japan: JCIA 555994 Australia: AICS-registered

2.	MANUFACTURING PROCESS INFORMATION	
2.1	Origin of starting material	vegetable
2.2	Description of manufacturing process	Esterification of glyceryl stearate with citric 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 to be expected
2.4.	Storage Time	36 months

3.	SPECIFICATION	
3.1	Assay	100 %
3.2	Additives	
3.2.1	Preservation, %	None
3.2.2	Antioxidants, %	None
3.2.3	Solvent, %	None
3.2.4	Other Additives, %	None

3.3	Microbiological Specification	
3.3.1	Total Plate Count (cfu/g) Aerobic Germs (cfu/g)	< 1000 cfu/g
3.3.2	Pathogene Organisms	Not to be expected
3.4	Impurities	
3.4.1	1,4-Dioxan	Not to be expected
3.4.2	Ethylenoxide	Not to be expected
3.4.3	Residual Solvent	Not to be expected
3.4.4	Monomers	Glycerol, Stearic acid, Citric acid, Glyceryl Monostearate
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	Polyaromatic Hydrocarbons	Not known
3.4.10	Other Impurities	Not known
3.5	Analysis	
3.5.1	Methods Detections Limits	Specification + Methods see attachment
3.5.2	Analysis of Impurities (Methods Detections Limits)	

4.	TOXICOLOGY	
4.1	Acute Toxicology	LD ₅₀ -value [mg/kg]: Oral (rat) > 2000 mg/kg Dermal (rat) > 2000 mg/kg
4.2	Dermal Irritation	Not irritant
4.3	Mucous Irritation	Not irritant
4.4	Sensitization	No sensitization
4.5	Genotoxicity (e.g. Ames-Test)	Not mutagenic
4.6	Percutaneous Permeation	Not known
4.7	Subchronic Toxicity	Not known
4.8	Teratogenicity	Not known
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	Readily biodegradable
6.2	Aquatic Toxicity	Not toxic to fish
6.3	Water Endangering Class	1 (self classification)
6.4	Bioaccumulation Potential	No bioaccumulation expected
6.5	Other Information	none

7.	SAFETY DATA SHEET	see attachment
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