

## Technical Data Sheet

Date of print: 18/04/2013

Version 10 from 18/04/2013

Page 1 of 3

1.	INFORMATION ON INGREDIENT	
1.1	Trade Name	<b>dermosoft® GMCY</b>
1.2	Manufacturer	
1.3	Supplier	Dr. Straetmans GmbH Merckurung 90 D-22143 Hamburg, Germany Tel.: +49 - (0)40 - 66 93 56 0 Fax: +49 - (0)40 - 66 93 56 310 E-Mail: info@dr-straetmans.de
1.4	Ingredient Category	Emollient, Solubilizing agent
1.5	Chemical Description	Glyceryl Monooctanoate
1.6	INCI-Name	Glyceryl Caprylate
1.7	EINECS / ELINCS	247-668-1
1.8	CAS-no.	26402-26-6
1.9	for colors: C.I. Colipa-no.	Not applicable
1.10	Registration Status	Europe: registered food additive E 471 Japan: CLSCC 004409/31

2.	MANUFACTURING PROCESS INFORMATION	
2.1	Origin of starting material	Vegetable
2.2	Description of manufacturing process	Partial esterification of natural-source glycerol with octanoic acid from coco fatty acids and subsequent molecular distillation
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	> 88% Monoester
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)	No contamination possible
3.3.2	Pathogene Organisms	No contamination possible
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, Octanoic 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	Below detection limit
3.4.9	Polyaromatic Hydrocarbons	Not known
3.4.10	Other Impurities	None
3.5	Analysis	
3.5.1	Methods Detections Limits	Specification and Methods see attachment
3.5.2	Analysis of Impurities (Methods Detections Limits)	Heavy metal analysis, see attachment

<b>4.</b>	<b>TOXICOLOGY</b>	
4.1	Acute Toxicology	LD <sub>50</sub> -Value [mg/kg]: Oral > 2000 rat calculated
4.2	Dermal Irritation	None (RIPT)
4.3	Mucous Irritation	Weak irritant (HET-CAM 5%)
4.4	Sensitization	None (RIPT)
4.5	Genotoxicity (e.g. Ames-Test)	Not mutagenous (Ames Test)
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

<b>5.</b>	<b>HUMAN EXPERIENCE</b>	
5.1	Data on Human Dermal Irritation	A 10 % solution in paraffin does not induce any irritation in humans (RIPT)
5.2	Data on Human Sensitization	A 10 % solution in paraffin does not induce any sensitization in humans (RIPT)

<b>6.</b>	<b>ECOLOGICAL DATA</b>	
6.1	Biological Elimination	Readily biodegradable (OECD 301 F, OECD 301 A)
6.2	Aquatic Toxicity	Daphnia magna EC <sub>50</sub> = 31.6 mg/l
6.3	Water Endagering Class	1 VwVwS Anh 2      No      Classification Glyceryl monoesters 690      1
6.4	Bioaccumulation Potential	Not to be expected
6.5	Other Information	Not known
<b>7.</b>	<b>SAFETY DATA SHEET</b>	see attachment