

DOMUS CHEMICALS RSPO certified SPECIALTY ESTERS





Domus Chemicals has a history of more than 60 successful years. Continuous improvement by the labs and the manufacturing site in Pedrengo enables sustainable innovation that reflects the needs of the vibrant cosmetic market.

In context of the discussion about sustainable Palm Oil as a resource to produce emollients, Domus Chemicals is going to be RSPO certified until the end of 2016. The Mass Balance Certificate will be the base for several ingredients where palm oil is the source of the feedstock. All Specialty Esters that are made of synthetic material will not be subject to change.

Again Domus Chemicals demonstrates a very flexible, responsive and dynamically evolving structure, capable to respond very quickly to the demands of the ongoing changing market needs.

The quality of DOMUSCARE® products remains exactly the same European reference point in this field, regardless from which source the feedstock has been taken, either certified Palm Oil, other natural oil sources or synthetic material. However, it will be possible to receive a statement/certificate about the origin of the feedstock of all DOMUSCARE® Specialty Esters.

The Problem with Palm/Palm Kernel Oil

Palm oil plantations grow close to the rain forests in direct competition to an invaluable biodiversity that we need to protect. Proliferation of uncontrolled palm oil plantations can destroy the biosphere step by step.

Palm Oil and/or Palm Kernel Oil

Main compound of Palm Oil is a triglyceride that contains regarding its fatty esters approximately 44% Palmitic Acid, 39% Oleic Acid, 11% Linoleic Acid, 4% Stearic Acid and 1% Myristic Acid.

Palm Kernel Oils Fatty Acid composition is 48% Lauric Acid, 16% Myristic Acid, 15% Oleic Acid, 8% Palmitic Acid, 3% Stearic Acid, 3% Capric Acid, 3% Caprylic Acid and 2% Linoleic Acid.

All these compounds can be used as feedstocks for further chemical transformations to create emollients, emulsifiers, detergents etc.

RSPO

The Roundtable on Sustainable Palm Oil is an organization that cares to establish best practices to save the Palm Oil resources and to protect the landscape.

Since a lot of companies want to use sustainable palm oil only, Domus Chemicals is going to achieve an RSPO Mass Balance Certificate. This enables a clear statement, if Palm Oil is being used for the production of specific emollients and how much of Palm Oil contributes to the composition of the emollient.

All relevant DOMUSCARE® Specialty Esters will be made available with RSPO cerificate in the near future.

Important to know is, that Domus Chemicals is working on Palm Oil Free versions as well. DOMUSCARE® OS POF (Ethylhexyl Stearate) is a unique Palm Oil Free version of DOMUSCARE® OS, in which Stearic Acid has been taken from Olive Oil. This can be an option for other stearates as well.

TER CHEMICALS Distribution Group Personal Care & Home Care

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C12-C15 ALKYL LACTATE	INCI Chemical Description	Registry	Spreadability		Function								RSP0 R	RSPO Relevance	
C12-C15 ALKYL BENZOATE				Emollient	Skin Conditioning	Emulsifying	Surfactant	Hair Conditionin	Antistatic	UV Absorber	Solvent	Trade Name	NO RELEVANCE: Palm Oil Free feedstock	YES: RSPO - Mass Balance	
DIBUTYL SEBACATE	C12-C15 ALKYL LACTATE	93925-36-1	++	•	•	-	-	-	-	-	-	DomusCare AL	Χ		
DIETHYLHEXYL SEBACATE	C12-C15 ALKYL BENZOATE	68411-27-8	0	•	•	-	-	-	-	-	-	DomusCare AB	Х		
CETEARYL ETHYLHEXANOATE 90411-68-0 + • - - DomusCare CTK X CETYL ISONONANOATE 84878-33-1 + • - - DomusCare INA X ISONDONYL ISONONANOATE 59219-71-5 ++ • - - DomusCare ISIS X DECYL OLEATE 59231-34-4 ++ • - - DomusCare DO X ISOCETYL STEARATE 25339-09-7 0 • - - DomusCare S116 X ISOSTEARYL ISOSTEARATE 41669-30-1 • - - DomusCare S118 X ISOSTEARYL INCOPENTANOATE 58958-60-4 + • - - DomusCare MDIS X ISOSTEARYIL NEOPENTANOATE 58958-60-4 + • - - DomusCare BC X ETHYLHEXYL COCOATE 92044-87-6 ++ • - - DomusCare BC X ETHYLHEXYL STEARATE 22047-49-0 ++ • - -	DIBUTYL SEBACATE	109-43-3	++	•	•	-	-	•	-	-	•	DomusCare DBS	Χ		
CETYL ISONONANOATE 84878-33-1 + • - - DomusCare INA X ISONONYL ISONONANOATE 59219-71-5 ++ • - - DomusCare ISIS X DECYL OLEATE 3687-46-8 + • - - DomusCare DO X ISODECYL OLEATE 59231-34-4 ++ • - - DomusCare IDO X ISOCTEARYL SOSTEARATE 25339-09-7 0 • - - DomusCare BIB X SISOSTEARYL ISOSTEARATE 41669-30-1 • - - DomusCare BIB X ISOSTEARYL NEOPENTANOATE 58958-60-4 + • - - DomusCare MDIS X ISOSTEARYL NEOPENTANOATE 58958-60-4 + • - - DomusCare BIS X ETHYLHEXYL COCOATE 92044-87-6 + • - - DomusCare EEC X ETHYLHEXYL SALEATE 22047-49-0 + - - DomusCare OS	DIETHYLHEXYL SEBACATE	122-62-3	++	•	-	-	-	-	-	-	-	DomusCare DOS	Х		
ISONONYL ISONONANOATE	CETEARYL ETHYLHEXANOATE	90411-68-0	+	•	•	-	-	•	-	-	-	DomusCare CTK		Χ	
DECYL OLEATE 3687-46-8	CETYL ISONONANOATE	84878-33-1	+	•	•	-	-	•	-	-	-	DomusCare INA		Х	
ISODECYL OLEATE	ISONONYL ISONONANOATE	59219-71-5	++	•	•	-	-	-	•	-	-	DomusCare ISIS	Χ		
ISOCETYL STEARATE 25339-09-7	DECYL OLEATE	3687-46-8	+	•	•	-	-	-	-	-	-	DomusCare DO		Χ	
SOSTEARYL ISOSTEARATE	ISODECYL OLEATE	59231-34-4	++	•	•	-	-	-	-	-	-	DomusCare IDO		Χ	
DIISOSTEARYL MALATE	ISOCETYL STEARATE	25339-09-7	0	•	•	-	-	-	-	-	-	DomusCare SI16		Χ	
ISOSTEARYL NEOPENTANOATE 58958-60-4	ISOSTEARYL ISOSTEARATE	41669-30-1		•	•	-	-	-	-	-	-	DomusCare SI18		Χ	
ETHYLHEXYL COCOATE 92044-87-6	DIISOSTEARYL MALATE	67763-18-2 81230-05-9	+	•	•	-	•	-	-	-	-	DomusCare MDIS	Χ		
ETHYLHEXYL STEARATE	ISOSTEARYL NEOPENTANOATE	58958-60-4	+	•	•	-	-	-	-	-	-	DomusCare 185	Χ		
ETHYLHEXYL LAURATE	ETHYLHEXYL COCOATE	92044-87-6	++	•	-	-	-	-	-	-	-	DomusCare EEC	Χ		
ETHYLHEXYL LAURATE 20292-08-4 ++	ETHYLHEXYL PALMITATE	29806-73-3	++	•	-	-	-	-	-	-	-	DomusCare OP		Χ	
ETHYLHEXYL OLEATE 26399-02-0 ++ • DomusCare EEO X ETHYLHEXYL HYDROXYSTEARATE 29710-25-6 29383-26-4 ++ • DomusCare OHS X ETHYLHEXYL SALICYLATE 118-60-5 ++ • • DomusCare EXS X ISOBUTYL STEARATE 646-13-9 0 • • DomusCare EXS X TRIMETHYLOLPROPANE TRIISOSTEARATE 68541-50-4 0 • • DomusCare TTIS X PENTAERYTHRITYL 62125-22-8 + • - • • DomusCare PTIS X COCO- CAPRYLATE/CAPRATE 95912-86-0 ++ • • DomusCare TGM08 X POLYGLYCERYL-3 CAPRYLATE 108777-93-1 0 • • DomusCare TGM08 X POLYGLYCERYL-2 TRIISOSTEARATE 120486-24-0 • DomusCare PG-2 T3IS X PEG-8 DISTEARATE 9505-08-7 0 • DomusCare PG-2 T3IS X GLYCERYL OLEATE 25496-72-4 11-03-5 + • - • DomusCare GM0 X PEG-7 GLYCERYL COCOATE - + DomusCare CP X CETYL PALMITATE 540-10-3 • • DomusCare CP	ETHYLHEXYL STEARATE	22047-49-0	++	•	-	-	-	-	-	-	-	DomusCare OS		Χ	
ETHYLHEXYL HYDROXYSTEARATE 29710-25-6 29383-26-4 ++	ETHYLHEXYL LAURATE	20292-08-4	++	•	-	-	-	-	-	-	-	DomusCare EEL		χ	
ETHYLHEXYL SALICYLATE 118-60-5	ETHYLHEXYL OLEATE	26399-02-0	++	•	-	-	-	-	-	-	-	DomusCare EEO		Χ	
ISOBUTYL STEARATE	ETHYLHEXYL HYDROXYSTEARATE	29710-25-6 29383-26-4	++	•	-	-	-	-	-	-	-	DomusCare OHS	Χ		
TRIMETHYLOLPROPANE TRIISOSTEARATE 68541-50-4 0 • • • • • • • • • • • DomusCare TTIS X PENTAERYTHRITYL TETRAISOSTEARATE 62125-22-8 + • • • • • • • - • • DomusCare PTIS X COCO- CAPRYLATE/CAPRATE 95912-86-0 + + • • • • - • - • DomusCare LC X POLYGLYCERYL-3 CAPRYLATE 108777-93-1 0 - • • - • - DomusCare TGM08 X POLYGLYCERYL-2 TRIISOSTEARATE 120486-24-0 - • • DomusCare PG-2 T3IS X PEG-8 DISTEARATE 9005-08-7 0 - • DomusCare PG-8 DI X GLYCERYL OLEATE 25496-72-4 11-03-5 + • - • DomusCare GMO X PEG-7 GLYCERYL COCOATE - + DomusCare CP X	ETHYLHEXYL SALICYLATE	118-60-5	++	•	•	-	-	-	-	•	-	DomusCare EXS	Х		
TRIISOSTEARATE 68341-30-4 0 - - - - - DomusCare PTIS X PENTAERYTHRITYL TETRAISOSTEARATE 62125-22-8 + -	ISOBUTYL STEARATE	646-13-9	0	•	•	-	-	-	-	-	-	DomusCare IBS		Χ	
TETRAISOSTEARATE 02123-22-8 + DOMUSCATE PTIS X COCO- CAPRYLATE/CAPRATE 95912-86-0 ++ • DOMUSCATE LC X POLYGLYCERYL-3 CAPRYLATE 108777-93-1 0 • DOMUSCATE TGM08 X POLYGLYCERYL-2 TRIISOSTEARATE 120486-24-0 • DOMUSCATE PG-2 T3IS X PEG-8 DISTEARATE 9005-08-7 0 • DOMUSCATE PG-8 DI X GLYCERYL OLEATE 25496-72-4 11-03-5 + • - • DOMUSCATE GMO X PEG-7 GLYCERYL COCOATE - + • DOMUSCATE GC-7 X CETYL PALMITATE 540-10-3 • • - • DOMUSCATE CP X		68541-50-4	0	•	•	-	-	-	-	-	-	DomusCare TTIS		Х	
POLYGLYCERYL-3 CAPRYLATE 108777-93-1 0 - - - - - DomusCare TGM08 X POLYGLYCERYL-2 TRIISOSTEARATE 120486-24-0 - - - - - - - - DomusCare PG-2 T3IS X PEG-8 DISTEARATE 9005-08-7 0 - - - - - - DomusCare PG-8 DI X GLYCERYL OLEATE 25496-72-4 11-03-5 + - - - - DomusCare GMO X PEG-7 GLYCERYL COCOATE - + - - - - - DomusCare GC-7 X CETYL PALMITATE 540-10-3 • - - - - - - - DomusCare CP X		62125-22-8	+	•	-	•	•	-	-	-	-	DomusCare PTIS		Χ	
POLYGLYCERYL-2 TRIISOSTEARATE 120486-24-0 DomusCare PG-2 T3IS X PEG-8 DISTEARATE 9005-08-7 0 DomusCare PG-8 DI X GLYCERYL OLEATE 25496-72-4 11-03-5 + DomusCare GMO X PEG-7 GLYCERYL COCOATE - + DomusCare GC-7 X CETYL PALMITATE 540-10-3 DomusCare CP X	COCO- CAPRYLATE/CAPRATE	95912-86-0	++	•	•	-	-	-	-	-	-	DomusCare LC		Χ	
PEG-8 DISTEARATE 9005-08-7 0 - - - - - - DomusCare PG-8 DI X GLYCERYL OLEATE 25496-72-4 11-03-5 + - - - - - - - - DomusCare GMO X PEG-7 GLYCERYL COCOATE - + - - - - - - DomusCare GC-7 X CETYL PALMITATE 540-10-3 • • - - - - DomusCare CP X	POLYGLYCERYL-3 CAPRYLATE	108777-93-1	0	-	-	•	•	-	-	-	-	DomusCare TGM08		Χ	
GLYCERYL OLEATE 25496-72-4 11-03-5 + • - - - - - - - DomusCare GMO X PEG-7 GLYCERYL COCOATE - + - • - - - - DomusCare GC-7 X CETYL PALMITATE 540-10-3 • • - - - - - DomusCare CP X	POLYGLYCERYL-2 TRIISOSTEARATE	120486-24-0		-	-	•	-	-	-	-	-	DomusCare PG-2 T3IS		Χ	
PEG-7 GLYCERYL COCOATE - + -	PEG-8 DISTEARATE	9005-08-7	0	-	-	•	-	-	-	-	-	DomusCare PG-8 DI		Χ	
CETYL PALMITATE 540-10-3 • • - • DomusCare CP X	GLYCERYL OLEATE	25496-72-4 11-03-5	+	•	-	•	-	-	-	-	-	DomusCare GMO		Χ	
	PEG-7 GLYCERYL COCOATE	-	+	-	-	•	-	-	-	-	-	DomusCare GC-7		Χ	
DIBUTYL ADIPATE 105-99-7 ++ • • • DomusCare DBA X	CETYL PALMITATE	540-10-3		•	•	_	•	_	_	_	_	DomusCare CP		Χ	
	DIBUTYL ADIPATE	105-99-7	++	•	•	-	-	-	-	-	•	DomusCare DBA	Х		
DIISOBUTYL ADIPATE 141-04-8 ++ • • • DomusCare DIBA X	DIISOBUTYL ADIPATE	141-04-8	++	•	•	-	-	-	-	-	•	DomusCare DIBA	Χ		
DIISODECYL ADIPATE 27178-16-1 + • • • DomusCare DIDA X	DIISODECYL ADIPATE	27178-16-1	+	•	•	-	-	-	-	-	•	DomusCare DIDA	Χ		

o = low + = medium + + = high



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