	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	Citation
2.4 Diamin anhanal		1 1	1		1			use for SQ conclusion 0.2% as the free base		IACT 12(5),220, 42
2,4-Diaminophenol		1						0.2% as the free base		JACT 13(5):330-43 1994 confirmed 06/09
2,4-Diaminophenol HCl (aka 2,4-Diaminophenol Dihydrochloride)		1						0.2% as the free base		JACT 13(5):330-43. 1994 confirmed 06/09
2-amino-4-hydroxyethylaminoanisole		1						should not be used in cosmetic products where N-nitroso compounds may be formed		IJT 32(S1):25-35. 2013
2-amino-4-hydroxyethylaminoanisole sulfate		1						should not be used in cosmetic products where N-nitroso compounds may be formed		IJT 32(S1):25-35. 2013
2-Amino-6-Chloro-4-Nitrophenol		1						up to 2% in hair dyes		IJT 16(S1):131-43,1997
2-Amino-6-Chloro-4-Nitrophenol HCl		1						up to 2% in hair dyes		IJT 16(S1):131-43,1997
2-Bromo-2-Nitropropane-1,3-Diol		1						0.1%; may contribute to endogenous nitrosamine formation; but should not be used under circumstances where its actions with		JACT 3(3):139-55 1984 (Addendum) JEPT 4(4):47-61 1980 (Original report) confirmed
								amines or amides can result in the formation of nitrosamines or nitrosamides		09/03 IJT 25(S2). 2006
2-Ethoxy Ethoxy Ethyl Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 2005
5-Bromo-5-Nitro-1,3-Dioxane		1						0.1%; but should not be used under circumstances where its actions with amines or amides can result in the formation of nitrosamines or nitrosamides		JACT 9(2):279-88 1990
6-Amino-o-Cresol		1						Safe as used (up to 0.7%) in oxidative hair dyes, but the available data are insufficient to support the safety in non-oxidative hair dyes		IJT 23(S2):1-22. 2004
Acetamide MEA (amended)		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic		IJT 34(S1): 18-34 2015; JACT 12(3):225-36, 1993 (original report); IJT 30(S2):73-127, 2011 (re-review)

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								products in which N-nitroso		
								compounds may be formed		
Acetyl arginine		1			<u> </u>	1 1	not in current use*	safe for use in cosmetics when		Final report 12/2013
, .								formulated to be non-irritating		available from CIR
Acetyl Carnitine		1				1 1		safe when formulated		IJT 31(S3):296-341
·								to be non- irritating		2012
Acetyl Carnitine HCl		1			ĺ			safe when formulated		IJT 31(S3):296-341
·								to be non- irritating		2012
Acetyl Cysteine		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Glutamic acid		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Glutamine		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Histidine		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Methionine		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Proline		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Acetyl Tyrosine		1						safe for use for cosmetics		Final report 12/2013
								when formulated		available from CIR
								to be non-irritating		
Achillea Millefolium Extract		1						safe for use when formulated		IJT 20(S2):79-84
								to be non-sensitizing		2001; final repor
										12/2013 available
1 1 1 M 1 C 1 T T T C/O				-	<u> </u>	+				from CIR
Achillea Millefolium Flower/Leaf/Stem Extract		1						safe for use when formulated		Final report 12/2013 available from CIR
Achillea Millefolium Flower Extract		1		-	<u> </u>	+		to be non-sensitizing		Final report 12/2013
Achinea Millerollulli Flower Extract		1						safe for use when formulated to be non-sensitizing		available from CIR
Acid Orange 3		1		-	-	+		0.2% in hair dyes		IJT 19 (S1):1-9, 2000
Acrylamide/Ethyltrimonium Chloride* Acrylate/	_	1		-	<u> </u>	+				IJT 31(S3): 296-341
Ethalkonium Chloride Acrylate Copolymer		1						safe in the present practices of use and concentration, when		(2012)
Ethalkolliulii Cilioride Actylate Copolylliei								formulated to be non-irritating		(2012)
Acrylamidopropyl Trimonium Chloride/Acrylamide		1		-	1	+ +		safe in the present practices of		IJT 31(S3): 296-341
Copolymer*		1						use and concentration, when		(2012)
Copolymer								formulated to be non-irritating		(2012)
Acrylamidopropyl-Trimonium Chloride/Acrylates		1				+ +		safe in the present practices of		IJT 31(S3): 296-341
Copolymer Copolymer		1						use and concentration, when		(2012)
espoi, me:								formulated to be non-irritating		(2012)
Acrylates/Ammonium Methacrylate Copolymer		1		1	<u> </u>	+ +		safe for use when		IJT 21(S3):1-50
J								formulated to avoid irritation		2002
Acrylates/C12-13 Alkyl Methacrylates/Methoxyethyl		1			<u> </u>	+ +		safe in the present practices of		Final report 11/2011
Acrylate Crosspolymer								use and concentration when		available from CIR
• •								not polymerized in benzene		

,	Reviev						Explanation			Journal
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								use for SQ conclusion		
Acrylates/Ethylhexyl Acrylate/Glycidyl Methacrylate		1						safe in the present practices of		Final report 11/2011
Crosspolymer								use and concentration when		available from CIR
								not polymerized in benzene		
Acrylates/Ethylhexyl Acrylate Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Acrylates/Hydroxyesters Acrylates Copolymer		1						safe for use when		IJT 21(S3):1-50.
The state of the s		ļ .				1 1		formulated to avoid irritation		2002
Acrylates/PEG-4 Dimethacrylate Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when not polymerized in benzene		available from CIR
Acrylates/PVP Copolymer		1		-	-	+ +		safe for use when		IJT 21(S3):1-50.
Actylates/PVP Copolymer		1						formulated to avoid irritation		2002
Acrylates/Steareth-20 Methacrylate Copolymer	_	1		-	-	+ +		safe for use when		IJT 21(S3):1-50.
Actylates/Steareth-20 Wethactylate Copolymer		1						formulated to avoid irritation		2002
Acrylates/Steareth-20 Methacrylate Crosspolymer		1		-	+	+		safe in the present practices of		Final report 11/2011
retytates/stearetti 20 Wediaerylate Crossporymer		1						use and concentration when		available from CIR
								not polymerized in benzene		u vanaore from Circ
Acrylates/Steareth-50 Acrylate Copolymer		1						safe for use when		IJT 21(S3):1-50.
y								formulated to avoid irritation		2002
Acrylates/VA Copolymer		1						safe for use when		IJT 21(S3):1-50.
								formulated to avoid irritation		2002
Acrylates/Vinyl Isodecanoate Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Acrylates/Vinyl Neodecanoate Crosspolymer		1								Final report 11/2011
										available from CIR
Acrylates Copolymer		1						safe for use when		IJT 21(S3):1-50.
								formulated to avoid irritation		2002
Acrylates Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
Adansonia digitata seed oil PEG-8 esters		1			-	+ +		not polymerized in benzene safe for use in cosmetics when		IJT 33(S4):13-39.
Adansonia digitata seed on FEO-8 esters		1						formulated to be non-irritating		2014
Adansonia Digitata Seed Oil Polyglyceryl-6 Esters*		1		-	+	+ +		safe when formulated		Final report 09/2016
Adansonia Digitata Seed On Forgayeeryi-o Esters		1						to be non-irritating		Tillar report 05/2010
Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride		1				+ +		safe in nail product		Final report 09/2016
Copolymer Copolymer		1						formulations		Tillar report 05/2010
Allyl Methacrylate/Glycol Dimethacrylate Crosspolymer		1				1		safe in the present practices of		Final report 11/2011
y								use and concentration when		available from CIR
								not polymerized in benzene		
Allyl Methacrylates Crosspolymer		1				1 1		safe in the present practices of		Final report 11/2011
•								use and concentration when		available from CIR
								not polymerized in benzene		
Almondamide DEA		1						safe in the present practices of	<u> </u>	IJT 32(S1):36-58.
								use and concentration when		2013
								formulated to be non-irritating		
			1			1		and when the levels of free		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Almondamidopropyl betaine		1						safe in cosmetics as long		IJT 31(S1):77-111
								as they are formulated		2012
								to be non-sensitizing,		
								which may be based on a quantitative risk assessment		
Almondamidopropyl dimethylamine		1		-			not in current use*	safe in cosmetics as long		Final report 06/2014
Amondamidopropyi dimetnyianine		1					not in current use.	as they are formulated		available from CIR
								to be non-sensitizing,		available Holli Cir
								which may be based on a		
								quantitative risk assessment		
Almond Oil/Polyglyceryl-10 Esters*		1	-	_	+	+ +		safe when formulated		Final report 09/2016
Amilona On Forgifeery To Esters		1						to be non-irritating		Timar report 05/2010
Almond oil PEG-6 esters	-	1	-	 	_	+ +		safe for use in cosmetics when		IJT 33(S4):13-39
Amiliand on TEG o esters		1						formulated to be non-irritating		2014
Almond oil PEG-8 Esters		1	-	 	+	+ +		safe for use in cosmetics when		IJT 33(S4):13-39
Amiliand on TEG o Esters		1						formulated to be non-irritating		2014
Almond Oil Propylene Glycol Esters*		1				1		safe when formulated		Final report 12/2014
								to be non-irritating		available from CIR
Aloe Barbadensis Flower Extract		1			1	1 1		safe as cosmetic ingredients		IJT 26(S2):1-50
								in the practices of use		2007
								and concentrations as		
								described in this safety		
								assessment, if anthraquinone		
								levels in the ingredients		
								do not exceed 50 ppm.		
Aloe Barbadensis Leaf		1						safe as cosmetic ingredients		IJT 26(S2):1- 50
								in the practices of use		2007
								and concentrations as		
								described in this safety		
								assessment, if anthraquinone		
								levels in the ingredients		
				-				do not exceed 50 ppm.		TTT 0 ((00) 1 50
Aloe Barbadensis Leaf Extract		1						safe as cosmetic ingredients		IJT 26(S2):1-50
								in the practices of use		2007
								and concentrations as		
	1							described in this safety		
	1							assessment, if anthraquinone levels in the ingredients		
	1							do not exceed 50 ppm.		
Aloe Barbadensis Leaf Juice	- 	1	 	 	+	+ +		safe as cosmetic ingredients		IJT 26(S2):1-50
100 Dalbadelisis Deal Julee	1	'						in the practices of use		2007
	1		1					and concentrations as		2007
	ı							and concentrations as		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
								assessment, if anthraquinone levels in the ingredients do not exceed 50 ppm.		
Aloe Barbadensis Leaf Water		1						safe as cosmetic ingredients in the practices of use and concentrations as described in this safety assessment, if anthraquinone levels in the ingredients do not exceed 50 ppm.		IJT 26(S2):1-50 200
Aloe Barbadensis Polysaccharides		1						safe as cosmetic ingredients in the practices of use and concentrations as described in this safety assessment, if anthraquinone levels in the ingredients do not exceed 50 ppm.		IJT 26(S2):1-50 200'
Aluminum Starch Octenylsuccinate		1						safe as used provided that established limitations imposed on heavy metal concentrations are not exceeded		IJT 21(S1):1-7, 200
Ammonium Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200
Ammonium Bicarbonate		1						when formulated to be non-irritating		Final report 12/201
Ammonium C12-15 Pareth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(Suppl 3) :151-161,201
Ammonium Capryleth Sulfate,		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(Suppl 3) :151-161,201
Ammonium Carbonate		1						when formulated to be non-irritating		Final report 12/201 available from CII
Ammonium Cocoyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2011 available from CII
Ammonium Cocoyl Sarcosinate*		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14 2001; Final repor 09/2010
Ammonium Dinonyl Sulfosuccinate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CII
Ammonium Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305 2010
Ammonium Glycolate		1						safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5,		IJT 17(S1):1-242 1999

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								when formulated to avoid		
								increasing sun sensitivity		
								or when directions for use		
								include the daily use of sun		
								protection. These ingredients		
-								are safe for use in sal		
Ammonium Lactate		1						safe for use in cosmetic		IJT 17(S1):1-242,
								products at concentrations		1998
								less than or equal to 10%,		
								at final formulation pH		
								greater than or equal to 3.5,		
								when formulated to avoid increasing sun sensitivity		
								or when directions for use		
								include the daily use of sun		
								protection. These ingredients		
								are safe for use in sal		
Ammonium Lauroyl Sarcosinate		1						safe as used when formulated		IJT 20(S1):1-14,
Animomum Lauroyi Sarcosmate		1						to be non-irritating		2001; Final report
								to be non irritating		09/2016
Ammonium Lauryl Sulfate		1		_	+	+ +		safe for use in rinse-off		JACT 2(7):127-81,
7 minomain Dadiyi Sandie		1						products; but 1% for leave-on		1983 confirmed
								products, out 1/0 for feave on		06/02 IJT
										24(S1):89-98, 2005
Ammonium Myreth Sulfate		1				1 1	not in current use *	safe in the present practices of		IJT
•								use and concentration when		29(S3):151-161,2010
								formulated to be non-irritating		
Ammonium Persulfate	Ì	1						safe as oxidizing agents		IJT 20(S3):7-21,
								in hair colorants and		2001
								lighteners designed for		
								brief, discontinuous use		
								followed by thorough		
								rinsing from hair and skin		
Ammonium Phosphate		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Ammonium Polyacrylate		1						safe for use when		IJT 21(S3):1-50,
								formulated to avoid irritation		2002
Ammonium Styrene/Acrylates Copolymer		1						safe for use when		IJT 21(S3):1-50,
								formulated to avoid irritation		2002
Ammonium Thioglycolate (amended)		1						in hair straighteners,		IJT 28(S3):68-133,
								permanent waves, tonics,		2009 JACT
								dressings, etc., wave sets,		10(1):135-92, 1991
								other non-coloring hair		(original report)
								products, and hair dyes		
								and colors; safe at 15.2%		
								(as thioglycolic acid); hairdressers should avoid		
								skin contact and minimize		
								consumer skin exposure		
								consumer skill exposure		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ammonium VA/Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200
AMP-Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200
Anthemis nobilis flower extract		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/201 available from CII
Anthemis nobilis flower oil		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/201 available from CII
Anthemis nobilis flower powder		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/201 available from CII
Anthemis nobilis flower water		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/201 available from CII
Apricotamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic product		IJT 32(S1):36-58 201:
Apricotamidopropyl betaine		1						safe in cosmetics as long as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111 201
Apricot Kernel Oil PEG-40 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
Apricot Kernel Oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
Apricot Kernel Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
Apricot Kernel Oil Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Apricot Kernel Oil Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Apricot Kernel Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Apricot Kernel Oil Polyglyceryl-5 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Apricot Kernel Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Apricot Kernel Oil Propylene Glycol Esters*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CII

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Arachideth-20		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-24 (2012
Arachidyl behenate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CII
Arachidyl erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CII
Arachidyl Glucoside		1						safe in cosmetics when formulated to be non- irritating		IJT 32 (S3): 22-48 201
Arachidyl Propionate		1					up to 10%	safe in cosmetics as long as they are formulated to be non-irritating		JACT 9(2):143-52 1990 confirme 06/06; Final repor 03/2013 availabl from CII
Argan oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
Argan Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Astrocaryum Vulgare Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/201
Avena Sativa (oat) bran		1						safe when formulated to be non-sensitizing		Final report 12/201
Avena Sativa (oat) bran extract		1						safe when formulated to be non-sensitizing		Final report 12/201
Avena Sativa (oat) Flower/leaf/stem Juice*		1						safe when formulated to be non-sensitizing		Final report 12/201
Avena Sativa (oat) Kernel Extract		1						safe when formulated to be non- sensitizing		Final report 12/201 available from CII
Avena Sativa (oat) Kernel Flour		1						safe when formulated to be non- sensitizing		Final report 12/201
Avena Sativa (oat) Kernel Meal		1						safe when formulated to be non- sensitizing		Final report 12/201
Avena Sativa (oat) Kernel Protein		1						safe when formulated to be non- sensitizing		Final report 12/201
Avena Sativa (oat) Leaf/stalk Extract*		1						safe when formulated to be non-sensitizing		Final report 12/201 available from CII
Avena Sativa (oat) Leaf/stem Extract*		1						safe when formulated to be non-sensitizing		Final report 12/201 available from CII
Avena Sativa (oat) Leaf Extract		1				\dagger		safe when formulated to be non- sensitizing		Final report 12/201- available from CII
Avena Sativa (oat) Meal Extract		1				1 1		safe when formulated to be non- sensitizing		Final report 12/201 available from CII
Avena Sativa (oat) Peptide		1				1 1		safe when formulated to be non- sensitizing		Final report 12/201 available from CII
Avena Sativa (oat) Protein Extract		1			1			safe when formulated to be non- sensitizing		Final report 12/201 available from CII

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	Conclusion									Citation †
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								use for SQ conclusion		
Avena Sativa (oat) Seed Extract*		1						safe when formulated		Final report 12/2014
				ļ	<u> </u>			to be non- sensitizing		available from CIR
Avena Sativa (oat) Seed Water*		1						safe when formulated		Final report 12/2014
								to be non- sensitizing		available from CIF
Avena Sativa (oat) Sprout Oil*		1						safe when formulated		Final report 12/2014
								to be non- sensitizing		available from CIF
Avena Sativa (oat) Straw Extract		1						safe when formulated		Final report 12/2014
								to be non- sensitizing		available from CIF
Avocadamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA and its salts; should not be		
								used in cosmetic products		
Avo and amid amnouvil betains		1		-	1	+ +				HT 21/C1).77 111
Avocadamidopropyl betaine		1						safe in cosmetics as long as they are formulated		IJT 31(S1):77-111 2012
								to be non-sensitizing,		2012
								which may be based on a		
								quantitative risk assessment		
Avocadamidopropyl dimethylamine		1		-	_	+ +	not in current use *	safe in cosmetics as long		Final report 06/2014
Avocadamidopropyrdimetrylamine		1					not in current use	as they are formulated		available from CIR
								to be non-sensitizing,		avanable from Ch
								which may be based on a		
								quantitative risk assessment		
Avocado oil PEG-11 esters		1		 	<u> </u>	1 1		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Avocado oil PEG-8 esters		1				1 1		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Avocado Oil Polyglyceryl-6 Esters*		1				1		safe when formulated		Final report 09/2016
, , , , , , , , , , , , , , , , , , ,								to be non-irritating		
Avocado Oil Propylene Glycol Esters*		1		1	1	1 1		safe when formulated		Final report 12/2014
1,5								to be non-irritating		available from CIR
Azelamide MEA		1						safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
Babassuamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
	1	1						DEA do not exceed those		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
	1			1	1			considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Babassuamide MEA		1			1	+ +		safe in the present practices		IJT 34(S1): 18-34,
		-						of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
Babassuamidopropyl betaine		1				1 1		safe in cosmetics as long		IJT 31(S1):77-111,
								as they are formulated		2012
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Babassu Oil Polyglyceryl-4 Esters		1			1			safe when formulated		Final report 09/2016
								to be non-irritating		
Babassu Oil Polyglyceryl-6 Esters		1						safe when formulated		Final report 09/2016
		_						to be non-irritating		
Babussuamidopropyl dimethylamine		1				1	not in current use*	safe in cosmetics as long		Final report 06/2014
		_						as they are formulated		available from CIR
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Barium Sulfate		1			<u> </u>	1 1		safe in cosmetics as long		Final report 06/2014
								as they are formulated		available from CIR
								to be non-irritating		
Batyl Isostearate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 03/2013
•								formulated to be non-irritating		available from CIR
Batyl Stearate		1			<u> </u>	1	not in current use*	safe for use in cosmetics when		Final report 03/2013
,								formulated to be non-irritating		available from CIR
Behenamide DEA		1				1		safe in the present practices of		IJT 32(S1):36-58,
		-						use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Behenamide MEA		1			İ	1 1		safe in the present practices		IJT 34(S1): 18-34,
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
		1		1	1	1 1		not be used in cosmetic		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								products in which N-nitroso		
D.1 '1 11 ('		1	-	-	-	-		compounds may be formed		HT 21/C1) 77 111
Behenamidopropyl betaine		1						safe in cosmetics as long		IJT 31(S1):77-111 201
								as they are formulated to be non-sensitizing,		201
								which may be based on a		
								quantitative risk assessment		
Behenamidopropyl dimethylamine		1	-	+	+	+ +		safe in cosmetics as long		Final report 06/2014
senenania opropyr anneary annine		1						as they are formulated		available from CIF
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Beheneth-10		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-15	T I	1				1 1		safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-2		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-20		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-25		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-30		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Beheneth-5		1						safe in cosmetics as long		IJT 31(S2):169-244
								as they are formulated		(2012)
								to be non-irritating		
Behentrimonium chloride		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Behentrimonium methosulfate		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Behenyl/Isostearyl Beeswax		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Behenyl Beeswax		1						safe for use in cosmetics when		Final report 03/2013
			Ļ		<u> </u>			formulated to be non-irritating		available from CIR
Behenyl Behenate		1						safe for use in cosmetics when		Final report 03/2013
			ļ	<u> </u>	ļ	$\downarrow \downarrow \downarrow$		formulated to be non-irritating		available from CIR
Behenyl Betaine		1					Up to 8.4%	safe for use in cosmetics when		Final report 03/2014
			Ļ			\bot		formulated to be non-irritating		available from CIR
Behenyl Erucate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Behenyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Behenyl Olivate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Benzalkonium Chloride		1						0.1% free active ingredient		JACT 8(4):589-625 1989 confirmed 06/06
Benzalkonium Montmorillonite*		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Benzalkonium Sepiolite*		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Benzethonium Chloride		1						0.5% skin; 0.02% eye area		JACT 4(5):65-106, 1985 confirmed 03/04 IJT 25(S2), 2006
Bertholletia excelsa seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Bertholletia Excelsa Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Betaine		1					0.0001 to 8.7%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Borage Seed Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Borage Seed Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Borage Seed Oil Polyglyceryl-6 Esters*		1				1 1		safe when formulated to be non-irritating		Final report 09/2016
Boric Acid		1						5%; but not safe for use on infant or injured skin		JACT 2(7):87-125, 1983 confirmed 06/03
Brassicamidopropyl dimethylamine		1						safe for use in cosmetics when formulated to be non- irritating, which may be based on a quantatitive risk assessment (QRA)		Final report 06/2014 available from CIR
Buteth-3		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
Butoxyethanol		1						up to 10% in hair and nail products		JACT 15(6):462-526, 1996 confirmed 02/02 IJT 24(S1):18-20, 2005
Butyl Acrylate/Glycol Dimethacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Butyl Avocadate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyl Babassuate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Butyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48 2013
Butyl Glycolate		1						safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5,		IJT 17(S1):1-242 1998
								when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. These ingredients		
Butyl Isostearate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
Butyl Lactate Butyl Methacrylate Butyl Myristate (amended)		1						safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. These ingredients are safe for use in sal safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates safe for use in cosmetics when formulated to be non-irritating		available from CIF IJT 17(S1):1-242 1998 IJT 24(S5):53-100 2009 amended IJT 29(S3) 162-86, 2010 original JACT
										9(2):247-58, 1990 final report 03/2013 available from CIF
Butyloctyl Beeswax		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Butyloctyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Butyloctyl Candelillate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Butyloctyl Cetearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF

	Review						Explanation			Journal
	Conclusion								~ -	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Butyloctyl Oleate		1		1		1 1	not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIF
Butyloctyl Palmitate	i	1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIF
Butyloctyl Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
								daily use of sun protection.		
Butyl Oleate		1						safe for use in cosmetics		Final report 03/2013
								when formulated		available from CIF
								to be non- irritating		
Butyl Thioglycolate		1						in hair straighteners,		IJT 28(S3):68-133
,8-,								permanent waves, tonics,		2009
								dressings, etc., wave sets,		200,
								other non-coloring hair		
								products, and hair dyes		
								and colors; safe at 15.2%		
								(as thioglycolic acid);		
								hairdressers should avoid		
								skin contact and minimize		
								consumer skin exposure		
C10-11 isoparaffin		1			1	+ +		safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012
C10-12 isoparaffin		1		 	<u> </u>	+ +		safe when formulated		IJT 31(S3): 269-295
CTO 12 Isopatarin		1						to be non- irritating		(2012
C10-13 isoparaffin		1				+ +		safe when formulated		IJT 31(S3): 269-295
C10-13 isoparatini		1						to be non- irritating		(2012
C10-16 Alkyl Glucoside		1	-	-	<u> </u>	+		safe for use in cosmetics when		IJT 32 (S3): 22-48
C10-10 Aikyi Giucoside		1						formulated to be non-irritating		2013
C10-16 Pareth-1		1		-	-	+		safe for use in cosmetics when		IJT 31(S2):169-244
C10-16 Paretn-1		1								
C10.16 P		1		-		+		formulated to be non-irritating		(2012
C10-16 Pareth-2		1						safe for use in cosmetics when		IJT 31(S2):169-244
		ļ.,				+		formulated to be non-irritating		(2012
C10-40 Isoalkyl acid Octododecanol Esters		1					not in current use*	safe as used in cosmetics		Final report 03/2013
								when formulated		available from CIF
								to be non-irritating		
C11-12 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012
C11-13 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012
C11-13 Pareth-10		1						safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012
C11-13 Pareth-6		1	Ì		Ì	1		safe for use in cosmetics when		IJT 31(S2):169-244
		1		1	1			formulated to be non-irritating		(2012

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
C11-13 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-24- (2012
C11-14 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-293 (2012
C11-15 Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-15		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-24- (2012
C11-15 Pareth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-30		1				\dagger		safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-40		1				\Box		safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-5		1				\Box		safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
C11-15 Pareth-7		1						safe for use in cosmetics when		IJT 31(S2):169-244
C11-15 Pareth-9		1						formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
C11-15 Sec-Pareth-12		1				+		safe for use in cosmetics when		(2012 IJT 31(S2):169-244
C11-21 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		2012 IJT 31(S2):169-244
C11-21 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		(2012 IJT 31(S2):169-24- (2012
C12-13 alkyl ethylhexanoate		1						safe for use in cosmetics when		Final report 03/2013 available from CII
C12-13 Pareth-1		1						safe for use in cosmetics when		IJT 31(S2):169-244
C12-13 Pareth-10		1				+		safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
C12-13 Pareth-15		1				+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
C12-13 Pareth-2		1				+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-244
C12-13 Pareth-23		1				+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-13 Pareth-3		1				+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
C12-13 Pareth-4		1		\vdash		+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
C12-13 Pareth-5		1				+		formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24-
								formulated to be non-irritating		(201

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	23333332 }
C12-13 Pareth-6		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-24 (2012
C12-13 Pareth-7		1						safe for use in cosmetics when		IJT 31(S2):169-24
C12-13 Pareth-9		1						formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-14 isoparaffin		1						formulated to be non-irritating safe when formulated		(2012 IJT 31(S3): 269-29
C12-14 Pareth-12		1		-				to be non- irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-14 Pareth-3		1		-				formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-14 Pareth-5		1		-				formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-14 Pareth-7		1						formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
C12-14 Pareth-9		1						formulated to be non-irritating safe for use in cosmetics when		(2012 IJT 31(S2):169-24
				<u> </u>				formulated to be non-irritating		(2012
C12-14 Sec-Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 201
C12-14 Sec-Pareth-15		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 201
C12-14 Sec-Pareth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 201
C12-14 Sec-Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 201
C12-14 Sec-Pareth-30		1						safe for use in cosmetics when		IJT 31(S2):169-244 201
C12-14 Sec-Pareth-40		1						formulated to be non-irritating safe for use in cosmetics when		IJT 31(S2):169-244
C12-14 Sec-Pareth-5		1						formulated to be non-irritating safe for use in cosmetics when		201 IJT 31(S2):169-244
C12-14 Sec-Pareth-50		1		-		+ +		formulated to be non-irritating safe for use in cosmetics when		201 IJT 31(S2):169-244
C12-14 Sec-Pareth-7		1		-				formulated to be non-irritating safe for use in cosmetics when		201 IJT 31(S2):169-244
C12-14 Sec-Pareth-8		1						formulated to be non-irritating safe for use in cosmetics when		201 IJT 31(S2):169-244
C12-14 Sec-Pareth-9		1						formulated to be non-irritating safe for use in cosmetics when		201 IJT 31(S2):169-244
C12-15 alkyl ethylhexanoate		1						formulated to be non-irritating safe for use in cosmetics when		201 Final report 03/201
		1		<u> </u>				formulated to be non-irritating		available from CII
C12-15 Alkyl Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected,		IJT 22(3):1-10

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								directions for use include the		
								daily use of sun protection.		
C12-15 Pareth-10		1				1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-11		1		1		1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-12		1				1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-2		1				1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-3		1				1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-5		1				1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-7		1				1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-15 Pareth-9		1			<u> </u>	1 1		safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C12-16 Pareth-5		1			<u> </u>	1		safe for use in cosmetics when		IJT 31(S2):169-244
		_						formulated to be non-irritating		(2012)
C12-16 Pareth-7		1			†	1		safe for use in cosmetics when		IJT 31(S2):169-244
		_						formulated to be non-irritating		(2012)
C12-16 Pareth-9		1			1			safe for use in cosmetics when		IJT 31(S2):169-244
		_						formulated to be non-irritating		(2012)
C12-18 Alkyl Glucoside		1				1		safe for use in cosmetics when		IJT 32 (S3): 22-48
era rommyr endeeside		-						formulated to be non-irritating		2013
C12-20 Alkyl Glucoside		1				1		safe for use in cosmetics when		IJT 32 (S3): 22-48
erz zo rmejr enwesside		-						formulated to be non-irritating		2013
C12-20 isoparaffin		1		_		1		safe when formulated		IJT 31(S3): 269-295
C12 20 130pmm1111		-						to be non- irritating		(2012)
C13-14 isoparaffin		1		_		1		safe when formulated		IJT 31(S3): 269-295
CTS 1. ISOPALATIA		-						to be non- irritating		(2012)
C13-15 Pareth-21		1		 	+	1		safe for use in cosmetics when		IJT 31(S2):169-244
C13 13 1 theth 21		•						formulated to be non-irritating		(2012)
C13-16 isoparaffin		1		 	+	+ +		safe when formulated		IJT 31(S3): 269-295
C13 To Isoparanii		•						to be non- irritating		(2012)
C14-15 Pareth-11		1		_	+			safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C14-15 Pareth-12		1				+ +		safe for use in cosmetics when		IJT 31(S2):169-244
C1 15 mon 12		1						formulated to be non-irritating		(2012)
C14-15 Pareth-13	+	1			+	+ +		safe for use in cosmetics when		IJT 31(S2):169-244
C17 13 1 modi ⁻ 13		1						formulated to be non-irritating		(2012)
C14-15 Pareth-4	 	1		 	+	+ +		safe for use in cosmetics when		IJT 31(S2):169-244
C17 13 1 aloui-7		1						formulated to be non-irritating		(2012)
C14-15 Pareth-7	- 	1	-	 	+	+ +		safe for use in cosmetics when		IJT 31(S2):169-244
C1: 101 mcd1 /		1						formulated to be non-irritating		(2012)
								amilia to be non infiating		(2012

	Review Conclusion						Explanation			Journal
					**	TDIC	**			Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
C14-15 Pareth-8		1						safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
C14-18 alkyl ethylhexanoate		1					not in current use *	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
C14-30 Alkyl Beeswax		1					not in current use *	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
C15-35 isoparaffin/isoalkylcycloalkanes		1						safe when formulated		IJT 31(S3): 269-295
								to be non-irritating		(2012)
C16-22 Acid Amide MEA		1						safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
					<u> </u>	\bot		compounds may be formed		
C16-36 alkyl stearate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
					ļ			formulated to be non-irritating		available from CIR
C18-38 Alkyl Beeswax		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
C18-38 Alkyl C24-54 Acid Ester		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
C18-70 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012)
C20-22 Alkyl Glucoside		1						safe for use in cosmetics when		IJT 32 (S3): 22-48
						\perp		formulated to be non-irritating		2013
C20-22 Alkyl phosphate		1						safe for use in cosmetics when		Final report 09/2014
						\perp		formulated to be non-irritating		available from CIR
C20-40 Alkyl Behenate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
						+		formulated to be non-irritating		available from CIR
C20-40 Alkyl Stearate		1						safe for use in cosmetics when		Final report 03/2013
						+		formulated to be non-irritating		available from CIR
C20-40 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
					ļ	+		to be non- irritating		(2012)
C20-40 Pareth-95		1						safe for use in cosmetics when		IJT 31(S2):169-244
G00 04 B 1 00					ļ	\perp		formulated to be non-irritating		(2012)
C22-24 Pareth-33		1						safe for use in cosmetics when		IJT 31(S2):169-244
		<u> </u>						formulated to be non-irritating		(2012)
C30-50 Alkyl Beeswax		1						safe for use in cosmetics when		Final report 03/2013
G00 50 411 1 G		ļ.,	ļ	-	<u> </u>	+		formulated to be non-irritating		available from CIR
C30-50 Alkyl Stearate		1						safe for use in cosmetics when		Final report 03/2013
G00 50 D 1 10			ļ	-	<u> </u>	+		formulated to be non-irritating		available from CIR
C30-50 Pareth-10		1						safe for use in cosmetics when		IJT 31(S2):169-244
G20.50 D 1. 2			ļ	<u> </u>	<u> </u>	 		formulated to be non-irritating		(2012)
C30-50 Pareth-3		1						safe for use in cosmetics when		IJT 31(S2):169-244
]			formulated to be non-irritating		(2012)

~	Review						Explanation			Journal
	onclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
C30-50 Pareth-40		1						safe for use in cosmetics when		IJT 31(S2):169-244
C00 061 H 10					<u> </u>	++		formulated to be non-irritating		(2012)
C32-36 Isoalkyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C40-60 Alkyl Stearate		1				1		safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
C40-60 Pareth-10		1						safe for use in cosmetics when		IJT 31(S2):169-244
G40 40 P 1 2 1 40						+		formulated to be non-irritating		(2012)
C40-60 Pareth-3 and -10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
CA 5 In all al Connects		1		-	-	+				
C4-5 Isoalkyl Cocoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C7-8 isoparaffin		1				+ +		safe when formulated		IJT 31(S3): 269-295
C 7 6 130 paramin		1						to be non- irritating		(2012)
C8-10 alkyl ethyl phosphate		1				1 1	not in current use *	safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CIR
C8-22 Alkyl Acrylates/Methacrylic Acid Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
C8-9 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012)
C9-11 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
G0.11 P 1.2						++		to be non- irritating		(2012)
C9-11 Pareth-3		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated to be non- irritating		(2012)
C9-11 Pareth-4		1			-	+ +		safe for use in cosmetics		IJT 31(S2):169-244
C9-11 Fateur-4		1						when formulated		(2012)
								to be non- irritating		(2012)
C9-11 Pareth-6	_	1				+ +		safe for use in cosmetics		IJT 31(S2):169-244
c, 111 aou		•						when formulated		(2012)
								to be non- irritating		(=+-=,
C9-11 Pareth-8		1			1	1		safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
C9-12 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012)
C9-13 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012)
C9-14 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
80.45 11.1.1.1.1		L .		<u> </u>	<u> </u>	+		to be non- irritating		(2012)
C9-15 alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
C9-15 Pareth-8		1			 	+ +		safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		,

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
C9-16 isoparaffin		1						safe when formulated		IJT 31(S3): 269-295
· · · · · · · · · · · · · · · · · · ·								to be non- irritating		(2012)
Calcium Carbonate		1			1	1 1		when formulated		Final report 12/2016
								to be non-irritating		available from CIR
Calcium Dihydrogen Phosphate		1			1	1 1		safe when formulated		Final report 09/2016
, , ,								to be non-irritating		•
Calcium Dodecylbenzenesulfonate (amended)		1				1 1		safe for use in cosmetics when		IJT 29 (S4) 288-305
`								formulated to be non-irritating		2010
Calcium Glycolate		1				1 1		Glycolic and Lactic Acid,		IJT 17(S1):1-242
•								their common salts and their		1998
								simple esters, are safe for		
								use in cosmetic products		
								at concentrations less than		
								or equal to 10%, at final		
								formulation pH greater		
								than or equal to 3.5, when		
								formulated to avoid increasing		
								sun sensitivity or when		
								directions for use include		
Calcium Hydroxide		1						safe in hair straighteners and		Final report 12/2015
,								depilatories under conditions		available from CIR
								of recommended use: users		
								should minimize skin contact;		
								all other uses safe when		
								formulated to be non-irritating		
Calcium Lactate		1						Glycolic and Lactic Acid,		IJT 17(S1):1-242
								their common salts and their		1998
								simple esters, are safe for		
								use in cosmetic products		
								at concentrations less than		
								or equal to10%, at final		
								formulation pH greater		
								than or equal to3.5, when		
								formulated to avoid increasing		
								sun sensitivity or when		
								directions for use include		
Calcium Lauroyl Taurate		1						when formulated		Final Report 12/2015
								to be non-irritating		available from CIR
Calcium PCA		1						safe as used; should		Final report 12/2014
								not be used in cosmetic		available from CIR
								products in which N-nitroso		
								compounds can be formed		
Calcium Phosphate		1			<u> </u>	 		safe when formulated		Final report 09/2016
								to be non-irritating		report 07/2010
Calcium Potassium Sodium Phosphate*		1		_	 	+ +		safe when formulated		Final report 09/2016
Calciani I ottosium Dodium I nospitate								to be non-irritating		I mai report 07/2010
		 		-	+	+		safe when formulated		Final report 09/2016
Calcium Pyrophosphate	l .	1 1 1								

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	·
Calcium Salicylate	1	1		1	1	1 1		safe when formulated to		IJT 22(3):1-108
Surelani Suriey inte		1						avoid irritation and to avoid		101 22(0):1 100
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
								daily use of sun protection.		
Calcium Thioglycolate		1						safe for use in hair		IJT 28(S3):68-133,
								straighteners permanent		2009
								waves, tonics, dressings,		
								and so forth, wave sets,		
								other noncoloring hair		
								products, and hair dyes and		
								colors, at concentrations		
								up to 15.2%; hairdressers		
								should avoid skin contact		
								and minimize consumer skin		
Camellia Sinensis Catechins		1					not in current use *	safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Camellia Sinensis Leaf		1						safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Camellia Sinensis Leaf Extract		1						safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Camellia Sinensis Leaf Oil		1						safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Camellia Sinensis Leaf Powder		1						safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Camellia Sinensis Leaf Water		1						safe for use in cosmetics		Final report 09/2014
								when formulated to		available from CIR
								be non-sensitizing		
Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Canolamidopropyl betaine		1						safe in cosmetics as long		IJT 31(S1):77-111,
								as they are formulated		2012
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Capramide DEA		1						safe in the present practices of		IJT 32(S1):36-58,
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		

	Review Conclusion						Explanation			Journal
					• •	1010	TT		0.0.	Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Capryl/capramidopropyl betaine		1						safe in cosmetics as long		IJT 31(S1):77-111
								as they are formulated		2012
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Capryleth-4		1						safe in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Capryleth-5		1						safe in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Caprylic/Capric Glycerides Polyglyceryl-10 Esters		1						safe when formulated		Final report 09/2016
								to be non-irritating		-
Capryloyl Collagen Amino Acids		1					not in current use *	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Capryloyl Glycine		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Capryloyl Gold of Pleasure Amino Acids		1				1 1	not in current use *	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Capryloyl Keratin Amino Acids		1			1	1	not in current use *	safe for use in cosmetics when		Final report 12/2013
1 , 1								formulated to be non-irritating		available from CIR
Capryloyl Pea Amino Acids		1					not in current use *	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Capryloyl Quinoa Amino Acids		1				1	not in current use *	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Capryloyl Salicylic Acid		1				1		safe when formulated to		IJT 22(S3):1-108
								avoid irritation and to avoid		2003
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
								daily use of sun protection.		
Capryloyl Silk Amino Acids		1					not in current use *	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Caprylyl/capryl glucoside		1						safe in cosmetics when		IJT 32 (S3): 22-48
								formulated to be non-irritating		2013
Caprylyl Butyrate		1					not in current use *	safe in cosmetics when		Final report 03/2013
- · · ·								formulated to be non-irritating		available from CIR
Caprylyl Caprylate		1				1 1		safe in cosmetics		Final report 03/2013
								when formulated		available from CIR
								to be non- irritating		
Caprylyl Eicosenoate		1						safe in cosmetics		Final report 03/2013
• • •								when formulated		available from CIR
				1		1 1		to be non- irritating		

	Reviev Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Charlon
Caprylyl Glucoside		1						safe in cosmetics when formulated to be non- irritating		IJT 32 (S3): 22-48 2013
Capsaicin		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200
Capsicum Annuum Extract		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200'
Capsicum Annuum Fruit Extract		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200°
Capsicum Annuum Fruit Powder		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200
Capsicum Annuum Resin		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200'
Capsicum Frutescens Fruit		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200'
Capsicum Frutescens Fruit Extract		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200
Capsicum Frutescens Resin		1						safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating		IJT 26(S1):3-106 200'
Carapa Guaianensis Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2010
Carnitine		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Carnitine HCl		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Carnitine hydroxycitrate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Carnitine PCA		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Carvacrol		1						up to 0.5%		IJT 25(S1):29-127 2000

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Castor oil phosphate		1						safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CIR
Castor Oil Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Centella asiatica callus culture		1						safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica extract		1						safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica flower/leaf/stem extract		1			İ			safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica leaf cell culture extract		1						safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica leaf extract		1				1		safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica leaf water		1				1 1		safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica meristem cell culture		1				1		safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica meristem cell culture extract		1				1 1		safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Centella asiatica root extract		1				1 1		safe as used when formulated		Final report 06/2015
								to be non-sensitizing		available from CIR
Ceteareth-10		1				1		Safe as used in cosmetics		IJT 18(S3):41-49
		_						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								6		(2012)
Ceteareth-100		1			1	1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								C		(2012)
Ceteareth-11		1			1	1 1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								C		(2012)
Ceteareth-12		1				1 1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								-		(2012)
Ceteareth-13		1			Ì	1 1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								-		(2012)
Ceteareth-14		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; ІЛТ
								to be non- irritating		31(S2):169-244
										(2012)

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
Ceteareth-15		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-244 (2012
Ceteareth-16		1		-	-	+ +		Safe as used in cosmetics		IJT 18(S3):41-49
Colourem 10		1						when formulated		1999; IJ
								to be non- irritating		31(S2):169-244
										(2012
Ceteareth-17		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
					<u> </u>	\vdash				(2012
Ceteareth-18		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7 31(S2):169-24
								to be non- irritating		(2012
Ceteareth-2		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ 7
								to be non- irritating		31(S2):169-244 (2012
Ceteareth-20		1		-	<u> </u>	+		Safe as used in cosmetics		IJT 18(S3):41-49
Cetearetri-20		1						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
										(2012
Ceteareth-23		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012
Ceteareth-24		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
Ceteareth-25		1		-	<u> </u>	+ +		Safe as used in cosmetics		(2012 IJT 18(S3):41-49
Cetearetti-23		1						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								to be non-intuining		(2012
Ceteareth-27		1				1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012
Ceteareth-28		1						Safe as used in cosmetics	<u> </u>	IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012
Ceteareth-29		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012

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Ceteareth-3		1		1	1			Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-244
Ceteareth-30		1		-		-		Safe as used in cosmetics		(2012 IJT 18(S3):41-49
Ceteareth-30		1						when formulated		1999; IJ
								to be non- irritating		31(S2):169-244
								to be non-intaking		(2012)
Ceteareth-33		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012)
Ceteareth-34		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-4		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-40		1			-	+ +		Safe as used in cosmetics		IJT 18(S3):41-49
Cetearetii-40		1						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
										(2012)
Ceteareth-5		1				1 1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012)
Ceteareth-50		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-55	- 	1	-		<u> </u>	+		Safe as used in cosmetics		IJT 18(S3):41-49
Ceteareni-33		1						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
								8		(2012)
Ceteareth-6		1			1	1 1		Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012)
Ceteareth-60		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-7		1						Safe as used in cosmetics		IJT 18(S3):41-49
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244
										(2012

	Reviev						Explanation			Journal
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Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ceteareth-8		1						Safe as used in cosmetics when formulated		IJT 18(S3):41-49, 1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-80		1						Safe as used in cosmetics		IJT 18(S3):41-49.
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Ceteareth-9		1						Safe as used in cosmetics		IJT 18(S3):41-49.
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Ceteartrimonium chloride		1						safe in the present practices of		IJT 31(S3): 296-341
								use and concentration, when		(2012)
C. IDI		1				+		formulated to be non-irritating		F' 1 + 02/2012
Cetearyl Behenate		1					not in current use *	safe for use in cosmetics when		Final report 03/2013
Cotton and schools are set		1		-		+		formulated to be non-irritating		available from CIR
Cetearyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Cetearyl glucoside		1				+ +		safe for use in cosmetics when		IJT 32 (S3): 22-48.
Cetearyi giucoside		1						formulated to be non-irritating		2013
Cetearyl Isononanoate		1		-	-	+	up to 50%	safe for use in cosmetics when		IJT 30(S3):228-269.
Ceteary I Isononanoate		1					up to 30%	formulated to be non-irritating		2011; Final Report
								Tormulated to be non infracing		03/2013 available
										from CIR
Cetearyl Nonanoate		1					not in current use*	safe for use in cosmetics when		IJT 30(S3):228-269.
·								formulated to be non-irritating		2011; Final Report
								_		03/2013 available
										from CIR
Cetearyl Octanoate (aka Cetearyl Ethylhexanoate)		1					up to 25%			JACT 1(4):81-92.
										1982 confirmed
										06/03 IJT 25(S2).
						1				2006
Cetearyl Olivate		1						safe for use in cosmetics when		Final Report 03/2013
G . IDI		1						formulated to be non-irritating		available from CIR
Cetearyl Palmate		1					not in current use*	safe for use in cosmetics when		Final Report 03/2013 available from CIR
Cotton and Polaritota		1				+	*	formulated to be non-irritating		
Cetearyl Palmitate		1					not in current use*	safe for use in cosmetics when		Final Report 03/2013 available from CIR
Cetearyl Phosphate		1		-	-	+	not in current use*	formulated to be non-irritating safe for use in cosmetics when		Final report 09/2014
Cetearyi Filosphate		1					not in current use.	formulated to be non-irritating		available from CIR
Cetearyl Rice Branate		1		-	-	+	not in current use*	safe for use in cosmetics when		Final Report 03/2013
Colon J. Rice Dianate							not in current use	formulated to be non-irritating		available from CIR
Cetearyl Stearate		1				+ +		safe for use in cosmetics when		Final Report 03/2013
Colon J. Dictinic								formulated to be non-irritating		available from CIR
Ceteth-1		1			 	+ +		safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		, · · , - · · · - ·

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
										IJT 18(2):1-8, 1999
										(original report
Ceteth-10		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
					ļ	1 1				(original report
Ceteth-12		1						safe for use in cosmetics		IJT 31(Suppl
						1 1		when formulated to be non- irritating		2):169-244, 2012 IJT 18(2):1-8, 1999
								to be non- initiating		(original report
Ceteth-13	- 	1			<u> </u>	+		safe for use in cosmetics		IJT 31(Suppl
Colour 13		1						when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report
Ceteth-14		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report
Ceteth-15		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
Ceteth-150		1			-	+		safe for use in cosmetics		(original report
Cetetii-130		1						when formulated		IJT 31(Suppl 2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
								to be non initiating		(original report
Ceteth-16		1			1			safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report
Ceteth-17		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
G . 1 10					<u> </u>	1				(original report
Ceteth-18		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated to be non- irritating		2):169-244, 2012 IJT 18(2):1-8, 1999
								to be non- initiating		(original report
Ceteth-2		1	 		 	+ +		safe for use in cosmetics		IJT 31(Suppl
2								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report
Ceteth-20		1			ĺ	1		safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report

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	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
-		T .	,	,				use for SQ conclusion		
Ceteth-23		1						safe for use in cosmetics		IJT 31(Suppl
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
Ceteth-24		1		-	 	+		safe for use in cosmetics		(original report) IJT 31(Suppl
Ceteur-24		1						when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
								to be non- initiating		(original report)
Ceteth-25		1			 	+ +		safe for use in cosmetics		IJT 31(Suppl.
20		1						when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report)
Ceteth-3		1						safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report)
Ceteth-30		1						safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
						+				(original report)
Ceteth-4		1						safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999 (original report)
Ceteth-40		1			1	+ +		safe for use in cosmetics		IJT 31(Suppl.
Ceteur-40		1						when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report)
Ceteth-45		1				1 1		safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
										(original report)
Ceteth-5		1						safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
-										(original report)
Ceteth-6		1						safe for use in cosmetics		IJT 31(Suppl.
								when formulated		2):169-244, 2012:
								to be non- irritating		IJT 18(2):1-8, 1999 (original report)
Ceteth-7		1	 		1	+ +		safe for use in cosmetics		IJT 31(Suppl.
Ceteur-1		1						when formulated		2):169-244, 2012;
								to be non- irritating		IJT 18(2):1-8, 1999
								to be non minumg		(original report)
Cetoleth-10		1	 	 	1	+ +		safe as used when formulated		IJT 31(Suppl.
		•						to be non- irritating		2):169-244, 2012
Cetoleth-11		1	<u> </u>		1	+ +		safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012

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	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Cetoleth-15		1		1	1			safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-18		1				1		safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-2		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-20		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-22		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-24		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-25		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-30		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-4		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-5		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetoleth-6		1						safe as used when formulated		IJT 31(Suppl.
								to be non- irritating		2):169-244, 2012
Cetrimonium Bromide		1						safe as used when formulated		IJT
								to be non- irritating		16(S3):195-220,1997
										(original report);
										IJT 31(S3): 296-341
-						\vdash				(2012)
Cetrimonium Chloride		1						safe as used when formulated		IJT
								to be non- irritating		16(S3):195-220,1997
										(original report);
										IJT 31(S3): 296-341 (2012)
Cetrimonium methosulfate		1		-	-	+ +		safe as used when formulated		IJT 31(S3): 296-341
Cettinomain methosarrate		1						to be non- irritating		(2012)
Cetyl Babassuate		1		-	_	+ +		Safe as used in cosmetics		Final Report 03/2013
Cetyl Babassuate		1						when formulated		available from CIR
								to be non-irritating		avanable from CIN
Cetyl Behenate		1			+	+ +	not in current use*	Safe as used in cosmetics		Final Report 03/2013
Cetyl Benefiate		1					not in current use	when formulated		available from CIR
								to be non-irritating		uvunuone monn em
Cetyl Betaine	- 	1			1	1 1	0.36 to 7.4%	Safe as used in cosmetics		Final report 03/2014
		•						when formulated		available from CIR
								to be non-irritating		
Cetyl Caprate		1				1 1		Safe as used in cosmetics		Final Report 03/2013
•								when formulated		available from CIR
								to be non- irritating		

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Cetyl Caprylate		1						Safe as used in cosmetics when formulated to be non-irritating		Safe as used in cosmetics when formulated to be non irritating
Cetyl Dimethyloctanoate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Safe as used in cosmetics when formulated to be non irritating
Cetyl Esters		1					up to 7%	Safe as used in cosmetics when formulated to be non-irritating		IJ 16(S1):123-30,1997 final report 03/201: available from CII
Cetyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2011 available from CII
Cetyl isononanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269 2011; Final Repor 03/2013 availabl from CII
Cetyl Lactate (Amended)		1						safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. These ingredients are safe for use in sal		IJT 17(S1):1-242 1998 JAC 1(2):97-107, 198 (Original Report
Cetyl Laurate		1						safe for use in cosmetics when formulated to be non- irritating		Final Report 03/201 available from CII
Cetyl Myristate		1					up to 6%	safe for use in cosmetics when formulated to be non-irritating		29(S3):162-186,2010 final report 03/2011 available from CII
Cetyl Myristoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/201: available from CII
Cetyl Oleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/201: available from CII
Cetyl Palmitate		1					up to 11%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(2):13-35 1982 confirme 09/01 IJ 24(S1):28-32, 2005 final report 03/201: available from CII
Cetyl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/201- available from CII

	Reviev clusion						Explanation			Journal Citation †
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Cetyl Ricinoleate		1					up to 10%	safe for use in cosmetics when formulated to be non-irritating		IJT 26(S3): 31-77, 2007; final report 03/2013 available from CIR
Cetyl Stearate		1					up to 15%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(5):107-46, 1985 confirmed 06/03 IJT 24(S1):21-25, 2005; final report 03/2013 available from CIR
Cetyl Tallowate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Chamomilla Recutita (Matricaria) Extract		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf/Stem Extract		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf/Stem Water		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf Extract		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Extract		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Oil		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Powder		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Water		1						safe as used when formulated to be non-sensitizing		Final report 12/2013 available from CIR; Final report 06/2016 available from CIR

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	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Chamomilla Recutita (Matricaria) Leaf Extract		1						safe as used when formulated to be non-sensitizing		Final report 12/201 available from CII Final report 06/201 available from CI
Chamomilla Recutita (Matricaria) Oil		1						safe as used when formulated to be non-sensitizing		Final report 12/201 available from CII Final report 06/201 available from CI
Chimyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Chimyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Chlorhexidine		1						up to .14%		JACT 12(3):201-2 1993 IJT 18(2):6 1999 (Note
Chlorhexidine Diacetate		1						up to .19%		JACT 12 (3):201-2 1993 IJT 18(2):6 1999 (Note
Chlorhexidine Digluconate		1						up to .20%		JACT 12 (3):201-2 1993 IJT 18(2):6 1999 (Note
Chlorhexidine Dihydrochloride		1						up to .16%		JACT 12(3):201-2 1993 IJT 18(2):6 1999 (Note
Chlorothymol (amended)		1						up to 0.5%		IJT 25 (S1):29-12 200
Choline chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Citrus Aurantifolia (Lime)/Citrus Limon (Lemon) Fruit Water		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		Final report 12/201 available from CI
Citrus Aurantifolia (Lime) Flower Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 12/201 available from CI
Citrus Aurantifolia (lime) Fruit		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be nonsensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		Final report 12/201 available from CI
Citrus Aurantifolia (lime) Fruit Extract		1				\dagger		safe for use in rinse-off and leave-on cosmetic products		Final report 12/201 available from CI

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Chation
								when formulated to be non- sensitizing and non-irritating, provided that leave-on products do not contain more		
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Aurantifolia (lime) Fruit Water		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non- sensitizing and non-irritating, provided that leave-on		Final report 12/2015 available from CIR
								products do not contain more than 0.0015% (15 ppm) 5- methoxypsoralen (5-MOP).		
Citrus Aurantifolia (lime) Juice		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non- sensitizing and non-irritating,		Final report 12/2015 available from CIR
								provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Aurantifolia (Lime) Leaf Oil*		1						when formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantifolia (Lime) Peel*		1						when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Citrus Aurantifolia (Lime) Peel Extract		1						when formulated to be non-sensitizing and non- irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Citrus Aurantifolia (Lime) Peel Powder		1						when formulated to be non-sensitizing and non- irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Citrus Aurantifolia (Lime) Peel Water*		1						when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016

	Reviev clusion						Explanation			Journal
					* *	TDIG	T.Y		G.C. C. IX	Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Aurantifolia (Lime) Seed Oil		1					not in current use*	safe for use in cosmetic		Final report 03/11
								products when finished		available from CIR
								products, excluding rinse-		Final report 09/2014
								off products, do not contain		available from CIF
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
Gir A di A (Bir O) Fi		1			<u> </u>	++		sensitizing and non-irritating.		E' 1 10/0014
Citrus Aurantium Amara (Bitter Orange) Flower Extract		1						when formulated to be non-		Final report 12/2016
Giran Anna Anna Anna Anna Anna Anna Anna A						\perp		irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Oil		1						when formulated to be non-		Final report 12/2016
		<u> </u>			ļ	+		irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Water		1						when formulated to be non-		Final report 12/2016
		<u> </u>			<u> </u>			irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Wax		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
Citana Anna dina Anna (Rittan Onna) Emit Lina Entra d		1		_	<u> </u>	+		methoxypsoralen (5-MOP).		Ein-1 + 12/2016
Citrus Aurantium Amara (Bitter Orange) Fruit Juice Extract		1								Final report 12/2015 available from CIR
								leave-on cosmetic products when formulated to be non-		available Holli CIN
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Extract*		1				1 1		formulated to be non-		Final report 12/2016
Citato Fananciam Financia (Bitter Grange) Boar Finig Britaet		*						irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Oil		1				1		formulated to be non-		Final report 12/2016
Chian Tahana (Bitter Grange) Boar Ting On		*						irritating and non-sensitizing		available from CIR
Citrus Aurantium Amara (Bitter Orange) Peel		1			<u> </u>	+ +		when formulated to be		Final report 09/2016
Citals Harantain Himara (Bitter Grange) Feer		1						non-sensitizing and non-		Timar report 05/2010
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Amara (Bitter Orange) Peel Extract		1			<u> </u>	 		when formulated to be		Final report 09/2016
		-						non-sensitizing and non-		r
								irritating, provided that		
								leave-on products do		

	Reviev clusion						Explanation			Journal Citation †
			T	7	ŢT	LINIC	Han companies	Componentian	Cofoty com f TT	Citation
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Amara (Bitter orange) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when formulated to be non-		
								sensitizing and non-irritating.		
Titrus Aurantium Amara (Pittar Oranga) Paal Poyudar	<u> </u>	1		-		+		when formulated to be		Final report 09/2016
Citrus Aurantium Amara (Bitter Orange) Peel Powder		1						non-sensitizing and non-		rmai report 09/2010
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Bergamia (Bergamot) Fruit Extract		1		-	 			safe for use in rinse-off and		Final report 12/2015
inus Aurandum Berganna (Bergamot) i fun Extract		1						leave-on cosmetic products		available from CII
								when formulated to be non-		avanable from CII
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Bergamia (Bergamot) Fruit Water		1				1 1		safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Bergamia (Bergamot) Leaf Cell Extract*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Extract		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Oil		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Aurantium Bergamia (Bergamot) Peel Water		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Currassuviensis Peel Oil		1					not in current use*	safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
	l							off products, do not contain		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
O': A .' D.1.' (O) E		1			-	+		sensitizing and non-irritating.		E' 1 12/2014
Citrus Aurantium Dulcis (Orange) Flower		1						when formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIF
Citrus Aurantium Dulcis (Orange) Flower Extract		1	<u> </u>		1	+ +		when formulated to be non-		Final report 12/2016
Charles Flarantian Barels (Charles) Flower Endage		-						irritating and non-sensitizing		available from CIR
Citrus Aurantium Dulcis (Orange) Flower Oil		1				1 1		when formulated to be non-		Final report 12/2016
						1 1		irritating and non-sensitizing		available from CIF
Citrus Aurantium Dulcis (Orange) Flower Wax		1			1	1 1		when formulated to be non-		Final report 12/2016
						1 1		irritating and non-sensitizing		available from CIF
Citrus Aurantium Dulcis (orange) Fruit Extract		1				1 1		safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Dulcis (orange) Fruit Powder		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
						1 1		sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Aurantium Dulcis (orange) Fruit Water		1		-	1	+ +		safe for use in rinse-off and		Final report 12/2015
Citrus Aurannum Duicis (orange) Fruit Water		1						leave-on cosmetic products		available from CIF
								when formulated to be non-		available from Cir
								sensitizing and non-irritating,		
								provided that leave-on		
						1 1		products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Dulcis (orange) Juice		1				1 1		safe for use in rinse-off and		Final report 12/2015
-								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C'. A .' D.I.' (O) I CE :		1	<u> </u>	<u> </u>	1	+		methoxypsoralen (5-MOP).		E' 1 . 10/201
Citrus Aurantium Dulcis (Orange) Leaf Extract								when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR

	Review Conclusion						Explanation			Journal Citation †
I I W C N			т т		T T	TING	TT	<u> </u>		Citation
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Aurantium Dulcis (Orange) Peel Extract		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Dulcis (Orange) Peel Oil		1			1			safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIF
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Aurantium Dulcis (Orange) Peel Powder		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Dulcis (Orange) Peel Wax		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Dulcis (Orange) Seed Extract		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIF
Citrus Aurantium Sinensis (orange) Fiber		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Aurantium Sinensis Peel Extract*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Tachibana Peel Extract		1				T		when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Citrus Australasica Seed Oil*		1						formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Clementina Fruit Extract		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be nonsensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-		Final report 12/2015 available from CIR
Citrus Clementina Juice		1						methoxypsoralen (5-MOP). safe for use in rinse-off and leave-on cosmetic products when formulated to be nonsensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-		Final report 12/2015 available from CIR
Citrus Clementina Leaf Cell Extract*		1						methoxypsoralen (5-MOP). when formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Clementina peel oil		1					not in current use*	safe for use in cosmetic products when finished products, excluding rinse- off products, do not contain more than 0.0015% (15 ppm) 5-methyoxypsoralen (5-MOP), and when formulated to be non- sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Depressa Flower Water*		1			1			when formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Depressa Fruit Extract		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be nonsensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-		Final report 12/2015 available from CIR
Citrus Depressa Fruit Water		1						methoxypsoralen (5-MOP). safe for use in rinse-off and leave-on cosmetic products when formulated to be nonsensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 pm) 5-		Final report 12/2015 available from CIR
Citrus Depressa Peel Extract		1		-	+	1		methoxypsoralen (5-MOP).		Final report 09/2016

Quiek Reference Table	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	<u> </u>
								irritating, provided that		
						1 1		leave-on products do		
						1 1		not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Depressa Peel Powder*		1				1 1		when formulated to be		Final report 09/2016
						1 1		non-sensitizing and non-		
						1 1		irritating, provided that		
						1 1		leave-on products do not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Depressa Seed Oil*		1	-	-		+ +		formulated to be non-		Final report 12/2016
Citius Depressa Seed On		1						irritating and non-sensitizing		available from CIR
Citrus Glauca Fruit Extract		1				+ +		safe for use in rinse-off and		Final report 12/2015
Citrus Giauca i fuit Extract		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		avanable from Circ
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Glauca Seed Oil*		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Grandis/Paradisi Fruit Water		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
						1 1		than 0.0015% (15 ppm) 5-		
Citrus Grandis (Grapefruit) Extract		1		-	-	+		methoxypsoralen (5-MOP). formulated to be non-		Final report 12/2016
Citrus Grandis (Grapeiruit) Extract		1				1 1		irritating and non-sensitizing		available from CIR
Citrus Grandis (grapefruit) Fruit/peel Water		1	-	-	+	+ +		safe for use in rinse-off and		Final report 12/2015
Citrus Grandis (graperruit) Fruit/peer water		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		available from CIK
								sensitizing and non-irritating,		
						1 1		provided that leave-on		
						1 1		products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Grandis (grapefruit) Fruit Extract		1				1 1		safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Citrus Grandis (grapefruit) Fruit Water		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non-		Final report 12/2015 available from CIR
								sensitizing and non-irritating, provided that leave-on		
								products do not contain more than 0.0015% (15 ppm) 5- methoxypsoralen (5-MOP).		
Citrus Grandis (grapefruit) Juice		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non-		Final report 12/2015 available from CIR
								sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-		
				<u> </u>				methoxypsoralen (5-MOP).		F' 1 10/0016
Citrus Grandis (Grapefruit) Leaf Extract*		1						when formulated to be non-		Final report 12/2016 available from CIR
Citrus Grandis (Grapefruit) Peel*		1			-	+ +		irritating and non-sensitizing when formulated to be		Final report 09/2016
Citrus Grandis (Grapetruit) Peer		1				1 1		non-sensitizing and non-		riliai report 09/2016
						1 1		irritating, provided that		
						1 1		leave-on products do		
						1 1		not contain more than		
						1 1		0.0015% (15 ppm) 5-MOP.		
Citrus Grandis (Grapefruit) Peel Extract		1				1 1		when formulated to be		Final report 09/2016
						1 1		non-sensitizing and non-		•
						1 1		irritating, provided that		
								leave-on products do		
						1 1		not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Grandis (Grapefruit) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
						1 1		products when finished		available from CIR
						1 1		products, excluding rinse-		
						1 1		off products, do not contain more than 0.0015% (15		
						1 1		ppm) 5-methyoxypsoralen		
						1 1		(5-MOP), and when		
						1 1		formulated to be non-		
								sensitizing and non-irritating.		
Citrus Grandis (Grapefruit) Peel Powder*		1				1 1		when formulated to be		Final report 09/2016
(1 1		non-sensitizing and non-		
						1 1		irritating, provided that		
						1 1		leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Grandis (Grapefruit) Seed Extract		1					<u> </u>	formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Grandis Peel/Seed Extract*		1						formulated to be non-		Final report 12/2016
		<u></u>	L					irritating and non-sensitizing		available from CIR

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	Conclusion	1****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Hassaku/natsudaidai Fruit Juice		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Hassaku/natsudaidai Fruit Powder		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Hassaku/Natsudaidai Peel Powder*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Hassaku Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
Citrus Hystrix Leaf Extract*		1				+		methoxypsoralen (5-MOP). when formulated to be non-		Final report 12/2016
ilius Hysuix Leai Extract*		1 1						irritating and non-sensitizing		available from CIR
Citrus Hystrix Leaf Oil		1			1	+ +		when formulated to be non-		Final report 12/2016
titus Hystrix Leai Oli		1 1								available from CIR
Citrus Iyo Fruit Extract		1			<u> </u>	+ +		irritating and non-sensitizing safe for use in rinse-off and		Final report 12/2015
Tirus Iyo Fruit Extract		1								available from CIR
								leave-on cosmetic products when formulated to be non-		available Holli CIN
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Iyo Fruit Water	_	1		 	 	+ +		safe for use in rinse-off and		Final report 12/2015
Man 1,0 1 full fruit		'						leave-on cosmetic products		available from CIR
								when formulated to be non-		a variable from CIN
								sensitizing and non-irritating,		
								provided that leave-on		
			i	1	i			r		

Ingredient Name or Group Name Citrus Iyo Peel Extract*	Conclusion	SQ 1	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	Citation †
	5	SQ 1	1	Z	T	UNS				
Citrus Iyo Peel Extract*		1					for S conclusion	other limitation on		
Citrus Iyo Peel Extract*		1							of CIAS conclusion	
Citrus Iyo Peel Extract*		1						use for SQ conclusion		
Citrus Iyo Peel Extract*		1						than 0.0015% (15 ppm) 5-		
Citrus Iyo Peel Extract*		1						methoxypsoralen (5-MOP).		
								when formulated to be		Final report 09/2016
								non-sensitizing and non-		
		1						irritating, provided that		
								leave-on products do		
								not contain more than		
						+		0.0015% (15 ppm) 5-MOP.		
Citrus Iyo Peel Oil		1					not in current use*	safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Iyo Peel Water*		1				+		when formulated to be		Final report 09/2016
Citrus 1yo 1 cer water		1						non-sensitizing and non-		Timar report 07/2010
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Jabara Juice		1			1			safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Jabara Peel Extract		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
						+		0.0015% (15 ppm) 5-MOP.		
Citrus Jabara Peel Powder*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Jabara Peel Water*		1	<u> </u>	-	+	+ -		when formulated to be		Final report 09/2016
Citius Japara Peer water		1						non-sensitizing and non-		rmai report 09/2016
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Japonica Fruit Extract		1		1	I			safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Junos Extract		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Junos Flower Oil*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Junos Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Junos Fruit Juice		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C' I F ' O'I					<u> </u>	++		methoxypsoralen (5-MOP).		E' 1 . 10/0015
Citrus Junos Fruit Oil		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating, provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Junos Fruit Powder		1				+ +		safe for use in rinse-off and		Final report 12/2015
Citius Julios Fruit Fowder		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		avanable from CIR
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Junos Fruit Water		1				1 1		safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
	1	1		1	1	1		provided that leave-on		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								products do not contain more than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Junos Peel Extract		1				1 1		when formulated to be		Final report 09/2016
								non-sensitizing and non-		-
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Junos Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Junos Peel Powder		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Junos Peel Water*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Junos Seed Extract		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Junos Seed Oil		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Limon (Lemon) Flower Water*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIF
Citrus Limon (lemon) Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
				 _ 	ļ	1		methoxypsoralen (5-MOP).		
Citrus Limon (lemon) Fruit Oil		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
	1		1	1	1			provided that leave-on		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
						, ,		use for SQ conclusion		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
						+		methoxypsoralen (5-MOP).		
Citrus Limon (lemon) Fruit Powder		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CII
								when formulated to be non- sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Limon (lemon) Fruit Water		1		-	<u> </u>	+		safe for use in rinse-off and		Final report 12/2015
Entrus Ennon (temon) Fruit Water		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		uvanaore from Cff
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Limon (lemon) Juice		1						safe for use in rinse-off and		Final report 12/2015
,								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Limon (lemon) Juice Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C'. I'. (1) I'. D. 1		1		_	<u> </u>	-		methoxypsoralen (5-MOP).		F: 1 . 10/2016
Citrus Limon (lemon) Juice Powder		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non- sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Limon (Lemon) Leaf Cell Extract*		1	 		 	+ +		when formulated to be non-		Final report 12/2016
Chan Emion (Denion) Don Cen Extract		'						irritating and non-sensitizing		available from CIR
Citrus Limon (Lemon) Leaf Extract*		1	 		 	+ +		when formulated to be non-		Final report 12/2016
Zemon, Zem Dittuet								irritating and non-sensitizing		available from CIR
Citrus Limon (Lemon) Peel		1			<u> </u>	+ +		when formulated to be		Final report 09/2016
Citato Emion (Ecinon) i eci		1 *	I		1	1 1		non-sensitizing and non-		1 mai report 07/2010

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
				1	T	1		irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Limon (Lemon) Peel Extract		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		•
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Limon (Lemon) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Limon (Lemon) Peel Powder		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
C't I : (I) D1 W-t*		<u> </u>		-	-	+		0.0015% (15 ppm) 5-MOP.		Fig. 1 + 00/2016
Citrus Limon (Lemon) Peel Water*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non- irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Limon (Lemon) Peel Wax	+	1		_	+	+ +		when formulated to be		Final report 09/2016
Citius Elmon (Ecmon) I cer wax		1 1						non-sensitizing and non-		r mar report 05/2010
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Madurensis Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Madurensis Fruit Juice		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
				1	1	1 1		sensitizing and non-irritating,		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Medica Vulgaris Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
						1		methoxypsoralen (5-MOP).		TI 1
Citrus Medica Vulgaris Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Natsudaidai Flower Oil*		1		 		+ +		when formulated to be non-		Final report 12/2016
Citrus i vaisadaidai i iowei oii								irritating and non-sensitizing		available from CIR
Citrus Natsudaidai Flower Water*		1				1 1		when formulated to be non-		Final report 12/2016
Cirus I masuculturi I Io Wei Water								irritating and non-sensitizing		available from CIR
Citrus Natsudaidai Peel Extract*		1				1 1		when formulated to be		Final report 09/2016
		_						non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Nobilis (Mandarin Orange)		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Nobilis (mandarin Orange) Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C' NATION DE LA		<u> </u>				+		methoxypsoralen (5-MOP).		F' 1 10/0015
Citrus Nobilis (mandarin Orange) Fruit Juice		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products when formulated to be non-		available from CIR
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Nobilis (Mandarin Orange) Oil		1						formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Nobilis (Mandarin Orange) Peel Extract		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Nobilis (Mandarin Orange) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		T! 1
Citrus Nobilis (Mandarin Orange) Peel Powder*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do not contain more than		
Citrus Paradisi (grapefruit) Fruit Extract		1			1	-		0.0015% (15 ppm) 5-MOP.		Final report 12/2015
Citrus Paradisi (graperiuit) Fiuit Extract		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		available from CIN
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Paradisi (grapefruit) Fruit Water		1				1		safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Paradisi (grapefruit) Juice		1					<u> </u>	safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
G: P 1:1 (G			<u> </u>	 		1 1		methoxypsoralen (5-MOP).		TO 1
Citrus Paradisi (Grapefruit) Peel Extract		1						when formulated to be		Final report 09/2016
	I	l	l	I	I	1 1		non-sensitizing and non-		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								irritating, provided that		
								leave-on products do		
								not contain more than		
						\vdash		0.0015% (15 ppm) 5-MOP.		
Citrus Paradisi (Grapefruit) Seed Extract		1						formulated to be non-		Final report 12/2016
		1			-	++		irritating and non-sensitizing		available from CIF
Citrus Reticulata (Tangerine) Extract		1						formulated to be non-		Final report 12/201
P. D. L. G. L. S. D. S.		1			-	+		irritating and non-sensitizing		available from CII
itrus Reticulata (tangerine) Fruit		1						safe for use in rinse-off and		Final report 12/201: available from CII
								leave-on cosmetic products when formulated to be non-		avanable from Ch
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
itrus Reticulata (tangerine) Fruit Extract		1						safe for use in rinse-off and		Final report 12/201:
, , , , , , , , , , , , , , , , , , ,								leave-on cosmetic products		available from CII
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
itrus Reticulata (tangerine) Fruit Water		1						safe for use in rinse-off and		Final report 12/201:
								leave-on cosmetic products		available from CII
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
itrus Reticulata (Tangerine) Leaf Oil		1			+	+ +		when formulated to be non-		Final report 12/2016
itius reciculata (Tangerine) Lear On		1						irritating and non-sensitizing		available from CIF
itrus Reticulata (Tangerine) Leaf Water*		1				1		when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIF
itrus Reticulata (Tangerine) Peel Extract		1			<u> </u>	1		when formulated to be		Final report 09/2010
, 2								non-sensitizing and non-		1
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
itrus Reticulata (Tangerine) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIF
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
		I		1		1 1		(5-MOP), and when		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
							for S conclusion	other limitation on use for SQ conclusion	or UNS conclusion	
								formulated to be non-		
C'. D.: 1. (T) D. 1 D. 1 *		1		-	-	+		sensitizing and non-irritating.		E' 1
Citrus Reticulata (Tangerine) Peel Powder*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citaria Chinalanta a Emili Entra et		1		-	-	+				Ein-1 12/2015
Citrus Shunkokan Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Shunkokan Peel Extract*		1				+ +		when formulated to be		Final report 09/2016
Citrus Shunkokan Peel Extract*		1								Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Sinensis (Orange) Flower Water		1		-	+	+		when formulated to be non-		Final report 12/2016
Citrus Siliensis (Orange) Flower Water		1						irritating and non-sensitizing		available from CIR
Citrus Sinensis (orange) Fruit Extract		1		-	+	+ +		safe for use in rinse-off and		Final report 12/2015
Citius Siliensis (Orange) Fruit Extract		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		available from CIK
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Sinensis (orange) Fruit Water		1		 	+	+ +		safe for use in rinse-off and		Final report 12/2015
Citrus Bilicinsis (Grange) Frant Water		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		u vuituote 110111 C111
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Sphaerocarpa Fruit Juice		1			1	 		safe for use in rinse-off and		Final report 12/2015
<u>r</u> <u>r</u>		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
	ı	1	ı	1	1	1 1		methoxypsoralen (5-MOP).		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Citrus Sudachi Fruit Extract		1		1	1			safe for use in rinse-off and		Final report 12/2015
Citrus Sudacini Fruit Extract		1						leave-on cosmetic products		available from CIR
						1 1		when formulated to be non-		avanable from Circ
						1 1		sensitizing and non-irritating,		
						1 1		provided that leave-on		
						1 1		products do not contain more		
						1 1		than 0.0015% (15 ppm) 5-		
						1 1		methoxypsoralen (5-MOP).		
Citrus Sudachi Fruit Juice	i	1				1 1		safe for use in rinse-off and		Final report 12/2015
						1 1		leave-on cosmetic products		available from CIR
						1 1		when formulated to be non-		
						1 1		sensitizing and non-irritating,		
						1 1		provided that leave-on		
						1 1		products do not contain more		
						1 1		than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Sunki Peel Extract*		1				1 1		when formulated to be		Final report 09/2016
						1 1		non-sensitizing and non-		
						1 1		irritating, provided that		
						1 1		leave-on products do		
						1 1		not contain more than		
						+		0.0015% (15 ppm) 5-MOP.		Ti 1 10/0016
Citrus Sunki Seed Extract*		1						formulated to be non-		Final report 12/2016
C'- C 1' C 10'1*		1		-	-	+-+		irritating and non-sensitizing		available from CIR
Citrus Sunki Seed Oil*		1				1 1		formulated to be non-		Final report 12/2016
C' T 1' / c' 1 c F 'c I '		1		-	-	+		irritating and non-sensitizing		available from CIR
Citrus Tachibana/reticulata Fruit Juice		1				1 1		safe for use in rinse-off and		Final report 12/2015
						1 1		leave-on cosmetic products when formulated to be non-		available from CIR
						1 1		sensitizing and non-irritating,		
						1 1		provided that leave-on		
						1 1		products do not contain more		
						1 1		than 0.0015% (15 ppm) 5-		
						1 1		methoxypsoralen (5-MOP).		
Citrus Tachibana/Reticulata Peel Oil		1		+	1	+ +		safe for use in cosmetic		Final report 09/2014
Citrus Fuellouna recirculata Feer Off		1				1 1		products when finished		available from CIR
						1 1		products, excluding rinse-		
						1 1		off products, do not contain		
						1 1		more than 0.0015% (15		
						1 1		ppm) 5-methyoxypsoralen		
						1 1		(5-MOP), and when		
						1 1		formulated to be non-		
								sensitizing and non-irritating.		
Citrus Tachibana/Reticulata Peel Powder*		1					<u> </u>	when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		

	Reviev						Explanation			Journal Citation #
	Conclusion				T.7	TDIC	TT			Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Tamurana Flower Extract*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIR
Citrus Tamurana Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C: T 1 F : I :		1			-	-		methoxypsoralen (5-MOP).		E' 1 12/2016
Citrus Tangelo Fruit Juice		1						safe for use in rinse-off and leave-on cosmetic products		Final report 12/2015 available from CIR
								when formulated to be non-		available Holli CIN
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Tangelo Fruit Powder	-+	1		_	+	+ +		safe for use in rinse-off and		Final report 12/2015
Citato Tangolo Tian Towari		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Tangelo Peel Powder*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Tangerina (Tangerine) Fruit		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Tangerina (Tangerine) Fruit Water		1		-	-	+		safe for use in rinse-off and		Final report 12/2015
Citius Tangerina (Tangerine) Truit Water		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		avanable from Cir
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
		1	1	1				methoxypsoralen (5-MOP).		

Quick Reference Table	Reviev						Explanation			Journal
	Conclusion						Explanation			Citation †
					T 7	TINIC	TT			Citation
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Citrus Tangerina (Tangerine) Peel*		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Tangerina (Tangerine) Peel Extract		1						when formulated to be		Final report 09/2016
								non-sensitizing and non-		
								irritating, provided that		
								leave-on products do		
								not contain more than		
								0.0015% (15 ppm) 5-MOP.		
Citrus Tangerina (Tangerine) Peel Oil		1						safe for use in cosmetic		Final report 09/2014
								products when finished		available from CIR
								products, excluding rinse-		
								off products, do not contain		
								more than 0.0015% (15		
								ppm) 5-methyoxypsoralen		
								(5-MOP), and when		
								formulated to be non-		
								sensitizing and non-irritating.		
Citrus Tankan Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
					ļ	\downarrow		methoxypsoralen (5-MOP).		
Citrus Tankan Fruit Water		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
C' II I' /' D C I / ' I F ' W		1		-				methoxypsoralen (5-MOP).		E' 1 . 12/2015
Citrus Unshiu/citrus Reticulata/citrus Iyo Fruit Water		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non- sensitizing and non-irritating,		
								provided that leave-on products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu/sinensis/reticulata Fruit Extract		1		-	 	+ +		safe for use in rinse-off and		Final report 12/2015
Citrus Onsinu/sinchsis/rededidata l'Iuit Extract		1						leave-on cosmetic products		available from CIR
								when formulated to be non-		avanaoie mom CIK
								sensitizing and non-irritating,		
	1			I	I	1 1		sensitizing and non-initating,		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu Flower Extract*		1						when formulated to be non-		Final report 12/2010
								irritating and non-sensitizing		available from CIF
Citrus Unshiu Flower Powder*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIF
Citrus Unshiu Flower Water*		1						when formulated to be non-		Final report 12/2016
								irritating and non-sensitizing		available from CIF
Citrus Unshiu Fruit Extract		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu Fruit Juice		1						safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIF
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu Fruit Juice Ferment Extract Filtrate		1				1 1		safe for use in rinse-off and		Final report 12/2015
Chias Chishia Francisco Ferment Extract Francis		1						leave-on cosmetic products		available from CIF
								when formulated to be non-		avanaore moni em
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu Fruit Oil		1			 	+ + +		safe for use in rinse-off and		Final report 12/2015
		1						leave-on cosmetic products		available from CIF
								when formulated to be non-		avanaore moni em
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Citrus Unshiu Fruit Powder	- 	1	 	_	+	+ +		safe for use in rinse-off and		Final report 12/2015
Citas Cilsina Frant Fowaci		1						leave-on cosmetic products		available from CIF
								when formulated to be non-		avanable nom CIF
			1							
		1								
								sensitizing and non-irritating, provided that leave-on		

Quick Reference Table	Reviev Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	·
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Unshiu Fruit Water		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non- sensitizing and non-irritating, provided that leave-on products do not contain more		Final report 12/2015 available from CIR
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Unshiu Leaf Extract*		1						when formulated to be non- irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Unshiu Peel Extract		1						when formulated to be non-sensitizing and non- irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Citrus Unshiu Peel Powder		1						when formulated to be non-sensitizing and non- irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Citrus Unshiu Peel Water*		1						when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		Final report 09/2016
Cocamide DEA (Amended)		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic product		IJT 32(S1):36-58, 2013
Cocamide MEA (amended)		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34, 2015; IJT 18(2):9-16, 1999 (original report)

Quick Reference Table	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Cocamide methyl MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso		IJT 34(S1): 18-34, 2015; IJT 18(2):9-16, 1999 (original report)
Cocamidopropylamine Oxide		1						compounds may be formed safe for use in rinse-offs (up to 4%); insufficient		IJT 27(S1): 55-62, 2008 IJT 19(2):1-5,
Cocamidopropyl betainamide MEA chloride		1						data for leave-ons safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		2000 (original report) IJT 34(S1): 18-34, 2015
Cocamidopropyl Betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		JACT 10(1):33-52, 1991; IJT 31(S1):77-111, 2012
Cocamidopropyl dimethylamine		1						safe in cosmetics as long as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2014 available from CIR
Coceth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Coceth-7		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Coceth-8		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Coco/oleamidopropyl betaine		1						safe for use in cosmetics		JACT 10(1):33-52
								when formulated to be		1991; IJT
								non-sensitizing, which		31(S1):77-111, 2012
								may be based on a		
								quantitative risk assessment		
Coco/sunfloweramidopropyl betaine		1						safe for use in cosmetics		JACT 10(1):33-52
								when formulated to be		1991; IJT
								non-sensitizing, which		31(S1):77-111, 2012
								may be based on a		
								quantitative risk assessment		
Cocoa Butter Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Coco-betaine		1					0.53 to 9.8%	safe for use in cosmetics when		Final report 03/2014
								formulated to be non-irritating		available from CIR
Coco-Caprylate		1						safe for use in cosmetics		Final report 03/2013
• •								when formulated		available from CIR
								to be non- irritating		
Coco-Caprylate/Caprate		1						safe for use in cosmetics when		Final report 03/2013
1 7								formulated to be non-irritating		available from CIR
Coco-glucoside		1						safe for use in cosmetics		IJT 32 (S3): 22-48
								when formulated		2013
								to be non- irritating		
Coconut Oil PEG-10 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Coconut Oil Polyglyceryl-6 Esters		1				1 1		safe when formulated		Final report 09/2016
								to be non-irritating		1
Coco-Rapeseedate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 03/2013
1								formulated to be non-irritating		available from CIR
Cocotrimonium chloride		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Cocotrimonium methosulfate		1				1		safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Cocoylcholine methosulfate		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Cocoyl glutamic acid		1		_		+ +		safe for use in cosmetics when		Final report 12/2013
Cotoji giamino nota		1						formulated to be non-irritating		available from CIR
Cocoyl Sarcosine	+	1		 	+	+ +		safe as used when formulated		IJT 20(S1):1-14
Coco _j i Suicosine		'						to be non-irritating		2001; Final report
								to be non mitating		09/2016
Coffee Seed Oil Polyglyceryl-6 Esters*		1		-	+	+ +		safe when formulated		Final report 09/2016
Collect Seed On 1 orygryceryr-0 Esters		1						to be non-irritating		1 mai 10p011 03/2010
								to oc non-mitating		

	Review Conclusion						Explanation			Journal
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation †
							for S conclusion	other limitation on use for SQ conclusion	or UNS conclusion	
Cornamide/cocamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
C '1 DEA		1		-	-	+		used in cosmetic products		HT 20/01) 27 50
Cornamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA and its salts; should not be		
								, , , , , , , , , , , , , , , , , , ,		
Corn Oil PEG-6 esters		1		-	-	+		used in cosmetic products		IJT 33(S4):13-39
Colli Oli PEG-0 esters		1						safe for use in cosmetics when formulated to be non-irritating		2014
Corn Oil PEG-8 esters		1		-	-	+				
Com Oil PEG-8 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
0 101		1		-	-	-		formulated to be non-irritating		2014
Cottonseed Glyceride		1						safe as used in cosmetic		IJT 20(S2):21-29
								products, provided that		2001
								established and imposed limits on gossypol, heavy metals,		
								and pesticide concentrations		
								are not exceeded		
Cupuassauamidopropyl betaine		1		-	_	+ +		safe for use in cosmetics		IJT 31(S1):77-111
Cupuassauainidopropyi betaine		1						when formulated to be		2012
								non-sensitizing, which		2012
								may be based on a		
								quantitative risk assessment		
Cyclohexyl Methacrylate		1	-	 	+	+		safe in nail enhancement		IJT 24(S5):53-100
Cyclonexyl Wednaelylate		•						products when skin contact is		2005
								avoided; products containing		2000
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
DEA-C12-13 Alkyl Sulfate		1				1		safe in the present practices		Final report 09/11
, , , , , , , , , , , , , , , , , , ,								of use and concentration		available from CIR
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
	1	1	I	1	1	1 1		compounds can be formed		

DEA-C12-15 Alkyl Sulfate DEA-C12-15 Alkyl Sulfate DEA-C12-15 Alkyl Sulfate 1 Sulfate Sulfate 1 DEA-C12-15 Alkyl Sulfate DEA-C12-16 Alkyl Sulfate 1 DEA-C13-15 Alkyl Sulfate 1 DEA-D13-15 Alkyl		Review						Explanation			Journal
PEA-County Sulfate Total		Conclusion	****								Citation †
DEA-C12-13 Pareth Sulfate	Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
DEA-C12-15 Pareth Sulfate I								for S conclusion	other limitation on	or UNS conclusion	
DEA-C12-13 Pareth Sulfate I									use for SO conclusion		
DEA-Cleanphodipropionate DEA-Coamphodipropionate DEA-Coamphodipropion	DEA-C12-13 Pareth Sulfate		1								Final report 09/11
DEA-C12-15 Alkyl Sulfate DEA-C12-15 Alkyl Sulfate 1 DEA-C2-15 Alkyl Sulfate											available from CIR
DEA-C12-15 Alkyl Sulfate DEA-C12-15 Alkyl Sulfate 1									when formulated to be		
DEA-C12-15 Alkyl Sulfate DEA-C12-15 Alkyl Sulfate									non-irritating, except		
DEA-C12-15 Alkyl Sulfate 1 Sulfate 1 Sulfate 1 Sulfate 1 Sulfate Sulf									do not use in cosmetic		
DEA-C12-15 Alkyl Sulfate 1									products in which N-nitroso		
DEA-Cetyl Sulfate DEA-Cetyl Sulfate 1 Sale in the present practices Final report of one of the second of the									compounds can be formed		
DEA-Cotamphodipropionate DEA-Cotamphodipropionate DEA-Cotamphodipropionate DEA-Dodecylbenzenesulfonate (amended) DEA-Isostearate DEA-Isostearate DEA-Isostearate DEA-Isostearate DEA-Laureth Sulfate DEA-Laureth S	DEA-C12-15 Alkyl Sulfate		1						safe in the present practices		Final report 09/11
DEA-Cetyl Sulfate DEA-Cetyl Sulfate 1 Self temperature Sulfate Sulfa									of use and concentration		available from CIR
DEA-Cetyl Sulfate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Cocamphodipropionate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in consented products in which N-nitroso compounds can be formed DEA-Dodecylbenzenesulfonate (amended) I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Dodecylbenzenesulfonate (amended) I Safe in the present practices of use and concentration 2010 - Final report of non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Isostearate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Isostearate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate I Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic									when formulated to be		
DEA-Cetyl Sulfate DEA-Cetyl Sulfate 1									non-irritating, except		
DEA-Cetyl Sulfate 1											
DEA-Cetyl Sulfate 1											
DEA-Cocamphodipropionate DEA-Cocamphodipropionate 1											
DEA-Cocamphodipropionate DEA-Cocamphodipropionate 1	DEA-Cetyl Sulfate		1						safe in the present practices		Final report 09/11
DEA-Cocamphodipropionate DEA-Cocamphodipropionate 1											available from CIR
DEA-Cocamphodipropionate DEA-Cocamphodipropionate 1											
DEA-Cocamphodipropionate The property of the and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Dodecylbenzenesulfonate (amended)											
DEA-Cocamphodipropionate DEA-Cocamphodipropionate 1											
DEA-Cocamphodipropionate 1											
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DEA-Dodecylbenzenesulfonate (amended) DEA-Dodecylbenzenesulfonate (amended) DEA-Dodecylbenzenesulfonate (amended) DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Dodecylbenzenesulfonate (amended) DEA-Laureth Sulfate	DEA-Cocamphodipropionate		1								Final report 09/11
DEA-Dodecylbenzenesulfonate (amended) 1 1 2 Safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Isostearate 1 2 Safe in the present practices of use and concentration available from when formulated to be report 09/11 available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 1 3 Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 1 3 Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 4 Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic varieties of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic varieties of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic varieties of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic varieties of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic varieties of use and concentration varieties of use and concentration varieties varieties of use and concentration varieties varietie											available from CIR
DEA-Dodecylbenzenesulfonate (amended) DEA-Dodecylbenzenesulfonate (amended) 1 Safe in the present practices of use and concentration 2010 - Final are when formulated to be non-irritating, except do not use in cosmetic DEA-Isostearate DEA-Laureth Sulfate DEA-Laureth Sulfate DEA-Laureting and concentration available from when formulated to be non-irritating, except do not use in cosmetic DEA-Laureting and concentration available from when formulated to be non-irritating, except do not use in cosmetic DEA-Laureting and concentration available from when formulated to be non-irritating, except do not use in cosmetic DEA-Laureting and concentration available from when formulated to be non-irritating, except do not use in cosmetic DEA-Laureting and concentration available from when formulated to be non-irritating, except do not use in cosmetic											
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DEA-Dodecylbenzenesulfonate (amended) 1											
DEA-Dodecylbenzenesulfonate (amended) I safe in the present practices of use and concentration 2010 - Final ame when formulated to be report 09/11 avait non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Isostearate I safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate I safe in the present practices Final report of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate I safe in the present practices Final report of use and concentration when formulated to be non-irritating, except do not use in cosmetic											
DEA-Isostearate 1											
When formulated to be report 09/11 avai non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed	DEA-Dodecylbenzenesulfonate (amended)		1								
DEA-Isostearate DEA-Isostearate 1											
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DEA-Isostearate 1											
DEA-Isostearate 1 safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 1 safe in the present practices Final report 0 or use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 1 safe in the present practices Final report 0 or use and concentration when formulated to be non-irritating, except do not use in cosmetic											
DEA-Laureth Sulfate 1 of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed 1 safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic	DEA Instante		1		-	-	+ +				E:1 00/11
DEA-Laureth Sulfate 1 when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed DEA-Laureth Sulfate 1 safe in the present practices Final report 0 of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic	DEA-Isostearate		1								
DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 DEA-Laureth Sulfate 1 On tuse and concentration when formulated to be non-irritating, except do not use in cosmetic											avanable from CIK
DEA-Laureth Sulfate 1 Safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic do not use in cosmetic products in which N-nitroso compounds can be formed Safe in the present practices of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic											
DEA-Laureth Sulfate 1 Safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic											
DEA-Laureth Sulfate 1 Safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic											
DEA-Laureth Sulfate 1 safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic											
of use and concentration available from when formulated to be non-irritating, except do not use in cosmetic	DE A. Laureth Sulfate		1		\vdash	+	+ +				Final report 00/11
when formulated to be non-irritating, except do not use in cosmetic	DEA-Eaurem Surrate		1 1								available from CIR
non-irritating, except do not use in cosmetic											avanable mom CIK
do not use in cosmetic											
compounds can be formed											

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
							2	use for SQ conclusion		
DEA-Lauryl Sulfate		1 1		_	1			safe in the present practices		Final report 09/11
DEA Edulyi Sunace		1						of use and concentration		available from CIR
								when formulated to be		avanable from CIP
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
DEA- Linoleate		1			1	1 1		safe in the present practices		Final report 09/11
								of use and concentration		available from CIR
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
DEA-Methyl Myristate Sulfonate		1				1 1		safe in the present practices		Final report 09/11
								of use and concentration		available from CIR
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
DEA-Myreth Sulfate		1						safe in the present practices		Final report 09/11
								of use and concentration		available from CIR
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
DEA-Myristate		1						safe in the present practices		Final report 09/11
								of use and concentration		available from CIR
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
DEA M. '. 10 10 .		1			<u> </u>	-		compounds can be formed		E' 1
DEA-Myristyl Sulfate		1						safe in the present practices		Final report 09/11 available from CIR
								of use and concentration		avanable from CIR
								when formulated to be non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
DEA-Stearate	_	1		 	+	+ +		safe in the present practices		Final report 09/11
DEA-GICALAIC		1						of use and concentration		available from CIR
								when formulated to be		avanable mom CIN
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
	1	1		1	1	1		r-odden in willen it indoso		

Quick Reference Table	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Deceth-10		1						safe for use in cosmetics when formulated to be non- irritating		UT 31(S2):169-244 (2012)
Deceth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Deceth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Deceth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Deceth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Deceth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Deceth-9		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Decyl betaine		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Decyl Castorate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyl Cocoate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S final report 03/2013 available from CIR
Decyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48 2013
Decyl Isostearate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyl Jojobate Decyl Laurate		1				\sqcup	not in current use * not in current use *	safe for use in cosmetics when formulated to be non-irritating safe for use in cosmetics when		Final report 03/2013 available from CIR Final report 03/2013
Decyl Myristate		1				\sqcup	not in use at the time*	formulated to be non-irritating safe for use in cosmetics when		available from CIR
		1						formulated to be non-irritating		29(S3) :162-186,2010 final report 03/2013 available from CIR
Decyl Oleate		1					up to 88%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(2):85-95 1982 confirmed 11/01 IJT 22(S1):1-35, 2003 final report 03/2013 available from CIR
Decyltetradeceth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Decyltetradeceth-15		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Decyltetradeceth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Decyltetradeceth-25		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Decyltetradeceth-30		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Decyltetradeceth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Decyltetradecyl Cetearate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyltetradecyl ethylhexanoate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Defatted Citrus Unshiu Fruit		1						safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		Final report 12/2015 available from CIR
Diammonium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Diamyl sodium sulfosuccinate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Diazolidinyl Urea		1						up to 0.5%		JACT 9(2):229- 45, 1990 confirmed 12/06
Dicalcium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Dicalcium Phosphate Dihydrate		1						safe when formulated to be non-irritating		Final report 09/2016
Dicapryl sodium sulfosuccinate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 09/13 available from CIR
Dicetyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Dicetyl Thiodipropionate		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41 1992 (origina report); JACT 29 (S3): 137-150, 2010
Diethanolamine		1						safe in the present practices of use and concentration when formulated to be non-irritating, except do not use in cosmetic products in which N-nitroso compounds can be formed		JACT 2 (7):183-235 1983 - Final amended report 09/11

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Diethanolamine Bisulfate		1						safe in the present practices		Final amended report
								of use and concentration		09/11
								when formulated to be		
								non-irritating, except		
								do not use in cosmetic		
								products in which N-nitroso		
								compounds can be formed		
Di-HEMA Trimethylhexyl Dicarbamate		1						safe in nail enhancement		IJT 24(S5):53-100.
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
D'' 1 1 1 10 10				_				potential of methacrylates		E' 1
Diheptyl sodium sulfosuccinate		1								Final report 09/2013 available from CIR
Dihexyl sodium sulfosuccinate		1					not in current use*	safe for use in cosmetics when		Final report 09/2013
•								formulated to be non-irritating		available from CIR
Diisobutyl sodium sulfosuccinate		1					not in current use*	safe for use in cosmetics when		Final report 09/2013
								formulated to be non-irritating		available from CIR
Diisopropanolamine		1						safe for use in cosmetic		JACT 6(1):53-76.
								products; but should not be		1987 confirmed12/04
								used in products containing		IJT 25(S2), 2006
								N-nitrosating agents		
Diisopropylamine		1						safe for use in cosmetic		JACT 14(3):182-92,
								products; but should not be		1995 confirmed
								used in products containing		12/09
								N-nitrosating agents		
Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Dilauryl Thiodipropionate		1						safe for use in cosmetic		JACT 11(1):25-41.
								formulations when formulated		1992 (original
								to be non-irritating		report); JACT 29
										(S3): 137-150, 2010
Dilinoleamidopropyl dimethylamine		1					not in current use*	safe in cosmetics as long		Final report 06/2014
								as they are formulated		available from CIR
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Dimyristyl Phosphate		1					not in current use*	safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CIR
Dimyristyl Thiodipropionate		1						safe for use in cosmetic		JACT 11(1):25-41.
								formulations when formulated		1992 (original
								to be non-irritating		report); JACT 29
					<u> </u>					(S3): 137-150, 2010
Dioleyl Phosphate		1						safe for use in cosmetics when		Final report 09/2014
		1	1	1		1 1		formulated to be non-irritating		available from CIR

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Dipalmitoyl cysteine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CI
Dipotassium capryloyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CI
Dipotassium Phosphate		1						safe when formulated to be non-irritating		Final report 09/201
Dipotassium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CI
Disodium C12-14 pareth-1 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-14 pareth-2 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-14 sec-pareth-12 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-14 sec-pareth-3 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
disodium C12-14 sec-pareth-5 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-14 sec-pareth-7 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-14 sec-pareth-9 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium C12-15 pareth sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium capryloyl glutamate		1						safe for use in cosmetics as long as they are formulated to be non-irritating		Final report 12/201 available from CI
Disodium coceth-3 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CI
Disodium deceth-5 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
disodium deceth-6 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/1 available from CI
Disodium Etidronate		1						safe when formulated to be non-irritating		Final report 3/201 available from CI

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
Disodium hydrogenated tallow glutamate		1						safe for use in cosmetics when		Final report 12/201
								formulated to be non-irritating		available from CI
Disodium laneth-5 sulfosuccinate		1						safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
								formulated to be non-irritating		
Disodium laureth-12 sulfosuccinate		1				1 1		safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
								formulated to be non-irritating		
Disodium laureth-6 sulfosuccinate		1						safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
						1 1		formulated to be non-irritating		
Disodium laureth-9 sulfosuccinate		1			1			safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
						1 1		formulated to be non-irritating		
Disodium laureth sulfosuccinate		1						safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
						1 1		formulated to be non-irritating		
Disodium lauroyl glutamate		1			1			safe for use in cosmetics when		Final report 12/201
						1 1		formulated to be non-irritating		available from CI
Disodium Lauryl phosphate		1			 	+	not in current use *	safe for use in cosmetics when		Final report 09/201
Disourum Zumiji priosprime		•				1 1	not in carroin age	formulated to be non-irritating		available from CI
Disodium malyl tyrosinate		1			<u> </u>	+		safe for use in cosmetics when		Final report 09/201
Disodium maryi tyrosmate		1				1 1		formulated to be non-irritating		available from CI
Disodium N-lauroyl aspartate		1	-	-	-	+	not in current use*	safe for use in cosmetics when		Final report 12/201
Disodium iv-lauroyi aspartate		1				1 1	not in current use.	formulated to be non-irritating		available from CI
Disodium oleth-3 sulfosuccinate		1		-	1	+				
Disodium oletn-3 sullosuccinate		1				1 1		safe in the present practices of		Final report 03/1
						1 1		use and concentration when		available from CI
D' 1' 1 1 1 1		1		_		+		formulated to be non-irritating		E' 1 4.00/201
Disodium oleyl phosphate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 09/201
						+		formulated to be non-irritating		available from CI
Disodium Phosphate		I				1 1		safe when formulated		Final report 09/201
					<u> </u>	$\downarrow \longrightarrow$		to be non-irritating		
Disodium Pyrophosphate		1				1 1		safe when formulated		Final report 09/201
						\perp		to be non-irritating		
Disodium stearoyl glutamate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 12/201
								formulated to be non-irritating		available from CI
Disodium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/201
								formulated to be non-irritating		available from CI
Disperse Blue 1		1						up to 1%		JACT 14(6):433-51
						1 1				1995; confirme
						1 1				03/201
Distearyl Thiodipropionate		1						safe for use in cosmetic		JACT 11(1):25-41
								formulations when formulated		1992 (origina
								to be non-irritating		report); JACT 2
								-		(S3): 137-150, 201
Ditridecyl sodium sulfosuccinate		1			i –	1 1	not in current use *	safe for use in cosmetics when		Final report 09/1
•			1	1	1	1 1		formulated to be non-irritating		available from CI

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Change
Ditridecyl Thiodipropionate (dialkyl esters)		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41 1992 (origina report); JACT 2 (S3): 137-150, 201
Dodecylhexadecyl-trimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Erucyl Arachidate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/1 available from CII
Erucyl Erucate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/1 available from CII
Erucyl Oleate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/1 available from CII
Ethanolamine (amended)		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		Final amended report 03/12 availabl from CIR; JAC 2(7):183-235, 198 (original report
Ethanolamine HCl		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		Final amended report 03/12 availabl from CIR; JAC 2(7):183-235, 198 (original report
Ethanolamine Thioglycolate		1						in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors; safe at 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize consumer skin exposure		IJT 28(S3):68-133 200
Ethoxyethyl Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 200
Ethylene/Acrylic Acid/VA Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ethylene/Acrylic Acid Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene/Calcium Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene/Magnesium Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene/Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene/Sodium Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene/Zinc Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ethylene Glycol Dimethacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100, 2005
Ethyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Ethyl Glycolate and Ethyl Lactate		1						safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. These ingredients are safe for use in sal		IJT 17(S1):1-242, 1998
Ethylhexyl Adipate/Palmitate/Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl C10-40 Isoalkyl Acidate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Cocoate (amended)		1					up to 41%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S: Final report 03/2013 available from CIR
Ethylhexyl Ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl isononanoate		1					up to 75%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269, 2011; final report 03/2013 available from CIR

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ethylhexyl Isopalmitate		1		1				safe for use in cosmetics when		Final report 03/2013
• •								formulated to be non-irritating		available from CIR
Ethylhexyl Isostearate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Ethylhexyl Laurate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Ethylhexyl Myristate		1					not in use at the time*	safe for use in cosmetics when		IJT
								formulated to be non-irritating		29(S3):162-186,2010; final report 03/2013 available from CIR
Ethylhexyl Neopentanoate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Ethylhexyl Oleate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
						\longrightarrow		formulated to be non-irritating		available from CIR
Ethylhexyl Olivate		1						safe for use in cosmetics when		Final report 03/2013
Ed 11 1 D 1 2 4		1				+	4 460/	formulated to be non-irritating		available from CIR
Ethylhexyl Palmitate		1					up to 46%	safe for use in cosmetics when		JACT 1(2):13-35, 1982 confirmed
								formulated to be non-irritating		09/01; final report
										03/2013 available
										from CIR
Ethylhexyl Pelargonate		1				1	2 to 25%	safe for use in cosmetics when		Final report 06/10
								formulated to be non-irritating		available from CIR:
								2		Final report 03/2013
										available from CIR
Ethylhexyl Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected, directions for use include the		
								daily use of sun protection.		
Ethylhexyl Stearate	+	1		-	<u> </u>	+	up to 11%	safe for use in cosmetics when		JACT 4(5):107-46.
Emyficxyl Stearate		1					up to 1170	formulated to be non-irritating		1985 confirmed
								formulated to be non influentg		06/03; final report
										03/2013 available
										from CIR
Ethyl Methacrylate (Amended)		1			ĺ			safe as used when application		IJT 21(S1):63-79.
								is accompanied by directions		2002 JACT 14(6):
								to avoid skin contact because		452-67, 1995
		ļ			<u> </u>	$\downarrow \qquad \downarrow$		of the sensitizing potential		(Original Report)
Ethyl Thioglycolate		1						in hair straighteners,		IJT 28(S3):68-133.
								permanent waves, tonics,		2009
								dressings, etc., wave sets,		
								other non-coloring hair products, and hair dyes		
								and colors; safe at 15.2%		
	, ,									

~	Review						Explanation			Journal
	onclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								hairdressers should avoid		
								skin contact and minimize		
								consumer skin exposure		
Etidronic Acid		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
Formaldehyde		1			1			safe for use in cosmetics		IJT 32(Suppl.
								when formulated to		4):5-32, 2013; JACT
								ensure use at the minimal		3(3):157-84, 1984
								effective concentration,		confirmed 09/03 IJT
								but in no case should the		25(S2): 1-89, 2006
								formalin concentration		
								exceed 0.2% (w/w), which		
								would be 0.074% (w/w)		
								calculated as formaldehyde or		
Formic Acid		1			-	-		0.118% (w/w) calculated as less than or equal to64		IJT 16(S3):221-34,
Formic Acid		1						ppm of the free acid		1997; Final report
								ppin of the free acid		01/2014 available
										from CIR
Glutaral	_	1			-	+		less than 0.5% for rinse-		JACT 15(2):98-139
Giutarai		1						off; but should not be used		1996
								in products intended to be		1770
								aerosolized (insufficient		
								data to support safety		
								in leave-on products)		
Glyceryl/Polyglyceryl-6 Isostearate/Behenate Esters		1						safe when formulated		Final report 09/2016
								to be non-irritating		1
Glyceryl Diarachidate		1						safe as cosmetic ingredients		IJT 26(S3):1-30.
								in the practices of use and		2007
								concentration as described		
								in the safety assessment,		
								provided that the content		
								of 1,2-diesters is not		
								high enough to induce		
								epidermal hyperplasia		
Glyceryl Dibehenate		1						safe as cosmetic ingredients		IJT 26(S3):1-30,
								in the practices of use and		2007
								concentration as described		
								in the safety assessment, provided that the content		
								of 1,2-diesters is not		
								high enough to induce		
								epidermal hyperplasia		
Glyceryl Dierucate	+	1		_	-	+ +		safe as cosmetic ingredients		IJT 26(S3):1-30.
Orycory: Dioracate								in the practices of use and		2007
								concentration as described		2007
								in the safety assessment,		
								provided that the content		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
								high enough to induce epidermal hyperplasia		
Glyceryl Dihydroxystearate		1						safe as cosmetic ingredients in the practices of use and concentration as described		IJT 26(S3):1-30 200
								in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		
Glyceryl Diisopalmitate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content		IJT 26(S3):1-30 200
CI. ID.		1						of 1,2-diesters is not high enough to induce epidermal hyperplasia		HT 26/52) 1 20
Glyceryl Diisostearate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 200
Glyceryl Dilaurate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 200
Glyceryl Dilinoleate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 200
Glyceryl Dimyristate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not		IJT 23(S2):55-94 2004; IJT 26(S3):1-30, 200°

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Charlon
								high enough to induce epidermal hyperplasia		
Glyceryl Dioleate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content		IJT 26(S3):1-30 2007
								of 1,2-diesters is not high enough to induce epidermal hyperplasia		HT 26(92) 1 20
Glyceryl Dipalmitate								safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 2007
Glyceryl Dipalmitoleate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 2007
Glyceryl Diricinoleate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 2007
Glyceryl Distearate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30 2007
Glyceryl Palmitate Lactate		1						safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not		IJT 26(S3):1-30 2007

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
							for S conclusion	other limitation on use for SQ conclusion	or UNS conclusion	
	1							high enough to induce		
								epidermal hyperplasia		
Glyceryl Stearate Citrate		1						safe as cosmetic ingredients		IJT 26(S3):1-30,
								in the practices of use and		2007
								concentration as described		
								in the safety assessment, provided that the content		
								of 1,2-diesters is not		
								high enough to induce		
								epidermal hyperplasia		
Glyceryl Stearate Lactate		1			1			safe as cosmetic ingredients		IJT 26(S3):1-30,
Glyceryi Stearate Eactate		1 1						in the practices of use and		2007
								concentration as described		2007
								in the safety assessment,		
								provided that the content		
								of 1,2-diesters is not		
								high enough to induce		
								epidermal hyperplasia		
Glyceryl Stearate Succinate		1						safe as cosmetic ingredients		IJT 26(S3):1-30
•								in the practices of use and		2007
								concentration as described		
								in the safety assessment,		
								provided that the content		
								of 1,2-diesters is not		
								high enough to induce		
								epidermal hyperplasia		
Glyceryl Thioglycolate (amended)		1						safe in hair straighteners,		IJT 28(S3):68-133.
								permanent waves, tonics,		2009 JACT
								dressings, etc., wave sets,		10(1):135-92, 1991
								other non-coloring hair		(original report)
								products, and hair dyes and		
								colors at concentrations up to		
								15.2% (as thioglycolic acid); hairdressers should avoid skin		
								contact and minimize cons		
Glycol Dimethacrylate/Vinyl Alcohol Crosspolymer		1								Final report 11/2011
Grycor Dimeniacrylate/ vinyr Alcohor Crossporymer		1						safe in the present practices of use and concentration when		available from CIR
								not polymerized in benzene		available from CIN
Glycol HEMA-Methacrylate (aka Ethylene Glycol		1			+	+		safe in nail enhancement		IJT 24(S5):53-100.
Dimethacrylate)		1						products when skin contact is		2005
Difficulact ytate)								avoided; products containing		2003
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
Glycolic Acid (e.g. Alpha Hydroxy Acids)		1				† †		Glycolic and Lactic Acid,		IJT 17(S1):1-242,
,								their common salts and their		1998

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
					1	1		use in cosmetic products		
								at concentrations less than		
								or equal to 10%, at final		
								formulation pH greater		
								than or equal to3.5, when		
								formulated to avoid increasing		
								sun sensitivity or when		
								directions for use include		
Glyoxal (Amended)		1						1.25% in products intended		JACT 14(5):348-63
								to be applied to the nail		1995 IJT
										19(1):13-27, 2000
Gossypium (Cotton) Seed Oil		1								IJT 20(S2):21-29
										2001
Grape Seed Oil PEG-8 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Hazelnut Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Hazel Seed Oil PEG-8 Esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
HC Orange No. 1		1						safe for use in hair		IJT 17(S4):21-38
								dyes up to 3%		1998
HC Red No. 1		1						0.5%		JACT 15(4):320-36
										1996; confirmed
										06/2011
HC Red No. 3		1						safe as used in hair dyes;		JACT 11(4):509-19
								but should not be used		1992
								in products containing		
				<u> </u>	<u> </u>			N-nitrosating agents		
HC Yellow No. 2		1						up to 3%		JACT 13(3):157-66
										1994 confirmed
						\vdash				12/08
HEMA		1						safe in nail enhancement		IJT 24(S5):53-100
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
HEMA Acetoacetate	+	1		-	+	+ +		safe in nail enhancement		IJT 24(S5):53-100
1112111 1 rectoacctate		1						products when skin contact is		2005
								avoided; products containing		2003
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
		1	1	1	1	1 1		potential of methacrylates		

	Review	v					Explanation			Journal
	Conclusion	****					•			Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Heptyl undecylenate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Heptylundecyl hydroxystearate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexadecyl D-glucoside		1						safe as used in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48 2013
Hexamidine		1						safe at concentrations less than or equal to 0.1%		IJT 26(S3) 2007
Hexamidine Diisethionate		1						safe at concentrations less than or equal to 0.1%		IJT 26(S3) 2007
Hexyldeceth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 32(S2):169-244(2012
Hexyldeceth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 32(S2):169-244(2012
Hexyldecyl ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl hexyldecanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl oleate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldecyl stearyl		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldodecyl/ octyldecyl hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyldodecyl Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-108
Hexyl isostearate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Hexyl laurate		1						safe as used in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIF

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
Hexyl Methacrylate		1						safe in nail enhancement		IJT 24(S5):53-100
								products when skin contact is		200:
								avoided; products containing		
								this ingredient should be		
								accompanied with directions to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
Hydrogenated Castor Oil Behenyl esters		1		+	+	+ +	not in current use*	safe for use in cosmetics when		Final report 03/2013
Tydrogenated Custor On Beneriyi esters		1					not in current use	formulated to be non-irritating		available from CIF
Hydrogenated castor Oil cetyl esters		1			+	+ +	not in current use*	safe for use in cosmetics when		Final report 03/2013
Tydrogenated easter on ectyresters		1					not in current use	formulated to be non-irritating		available from CIF
Hydrogenated castor oil PEG-8 esters		1			1			safe for use in cosmetics when		IJT 33(S4):13-39
Tydrogendied editor on 120 o esteris								formulated to be non-irritating		2014
Hydrogenated castor oil stearyl esters		1		1	 	1	not in current use*	safe for use in cosmetics when		Final report 03/2013
,								formulated to be non-irritating		available from CIF
Hydrogenated Cottonseed Glyceride		1				1 1		safe as used in cosmetic		IJT 20(S2):21-29
,								products, provided that		2001
								established and imposed limits		
								on gossypol, heavy metals,		
								and pesticide concentrations		
								are not exceeded.		
Hydrogenated Dimer Dilinoleth-20		1						safe for use in cosmetics when		IJT 31(3):342-372
						\downarrow		formulated to be non-irritating		(2012)
Hydrogenated Dimer Dilinoleth-30		1						safe for use in cosmetics when		IJT 31(3):342-372
7.1.		ļ.,	<u> </u>	-	-	\vdash		formulated to be non-irritating		(2012)
Hydrogenated Dimer Dilinoleth-40		1						safe for use in cosmetics when		IJT 31(3):342-372
H. 1. (1D) D'II 14 (0		1	<u> </u>	-	-	++		formulated to be non-irritating		(2012)
Hydrogenated Dimer Dilinoleth-60		1						safe for use in cosmetics when		IJT 31(3):342-372
T1		1	-	-	-	+		formulated to be non-irritating		(2012)
Hydrogenated Dimer Dilinoleth-80		1						safe for use in cosmetics when		IJT 31(3):342-372 (2012
Hydrogenated Ethylhexyl olivate		1		-	1	+ +		formulated to be non-irritating safe for use in cosmetics when		Final report 03/2013
Hydrogenated Ethylnexyl onvate		1						formulated to be non-irritating		available from CIF
Hydrogenated Ethylhexyl sesamate		1				+ +		safe for use in cosmetics when		Final report 03/2013
Hydrogenated Emymexyl sesamate		1						formulated to be non-irritating		available from CIF
Hydrogenated Isocetyl olivate		1	-	-	 	+ +	not in current use*	safe for use in cosmetics when		Final report 03/2013
Tydrogenated isocetyl onvate		1					not in current use	formulated to be non-irritating		available from CIF
Hydrogenated Isopropyl Jojobate		1	_	_	+	+	not in current use*	safe for use in cosmetics when		Final report 03/2013
Tydrogenated Isopropyr Jojobate		1					not in current use	formulated to be non-irritating		available from CIF
Hydrogenated Laneth-20	- 	1	\vdash	+	+	+		safe for use in cosmetics when		IJT 31(3):342-372
Ly or ogenhated Edition 20		'						formulated to be non-irritating		(2012)
Hydrogenated Laneth-25	- 	1	\vdash	+	+	+		safe for use in cosmetics when		IJT 31(3):342-372
		'						formulated to be non-irritating		(2012)
Hydrogenated Laneth-5		1		_	1	+ +		safe for use in cosmetics when		IJT 31(3):342-372
J = -6.		'						formulated to be non-irritating		(2012)
Hydrogenated Lard		1		1	1	+ +		lead 0.1ppm; arsenic 3ppm;		IJT 20(S2):57-64
		1						mercury 1ppm; total PCB/		2001

	Reviev Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
	1	1	1		1	1		pesticide contamination		
								40ppm with 10ppm for		
								any specific residue		
Hydrogenated Lard Glyceride		1		 	1	1 1		lead 0.1ppm; arsenic 3ppm;		IJT 20(S2):57-64
y a light made in a light made								mercury 1ppm; total PCB/		200
								pesticide contamination		
								40ppm with 10ppm for		
								any specific residue		
Hydrogenated Lard Glycerides		1						lead 0.1ppm; arsenic 3ppm;		IJT 20(S2):57-64
								mercury 1ppm; total PCB/		200
								pesticide contamination		
								40ppm with 10ppm for		
								any specific residue		
Hydrogenated Palm/Palm Kernel Oil PEG-6 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
					<u> </u>			formulated to be non-irritating		201
Hydrogenated Palmtrimonium chloride		1						safe when formulated		IJT 31(S3): 296-34
								to be non- irritating		(2012
Hydrogenated Tallowalkonium Bentonite*		1						safe as used when formulated		Final report 03/201
								to be non-irritating		available from CII
Hydrogenated tallowamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		201
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be used in cosmetic products		
Hydrogenated Tallow Betaine		1			-	+	not in current use*	safe for use in cosmetics when		Final report 03/201
Hydrogenated Tanow Betaine		1					not in current use.	formulated to be non-irritating		available from CII
Hydrogenated Talloweth-12		1				+ +		safe for use in cosmetics when		IJT 31(3):342-37
riydrogenated Tanoweth-12		1						formulated to be non-irritating		(2012
Hydrogenated Talloweth-25		1		-	_	+		safe for use in cosmetics when		IJT 31(3):342-37
Trydrogenated Tanoweth-25		1						formulated to be non-irritating		(2012
Hydrogenated Tallowtrimonium chloride		1		_	_	+ +		safe when formulated		IJT 31(S3): 296-34
rrydrogenated ranowtrinionium emoride		1						to be non-irritating		(2012
Hydrolyzed camellia sinensis leaf		1			_	+ +	not in current use*	to be non inteating		Final report 09/2014
Trydroryzed camena smensis icai		1					not in current use			available from CII
Hydrolyzed Citrus Aurantium Dulcis Fruit Extract		1		 	+	+ +		safe for use in rinse-off and		Final report 12/201
riydroryzed Chids Marandam Baleis Franc Extract		1 1						leave-on cosmetic products		available from CII
								when formulated to be non-		avanaoie mom en
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Hydrolyzed Oat Flour		1	i e	1	†	+ +		safe when formulated		Final report 12/201
	1	1 -	I	1	1	1 1		to be non- sensitizing		available from CII

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrolyzed Oat Protein		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Hydrolyzed Oats		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Hydrolyzed Wheat Gluten		1						safe as used in cosmetics when formulated to restrict peptides to a weight-average molecular weight (MW) of 3,500 daltons (Da) or less.		Final report 06/2014 available from CIR
Hydrolyzed Wheat Protein		1						safe as used in cosmetics when formulated to restrict peptides to a weight-average molecular weight (MW) of 3,500 daltons (Da) or less.		Final report 06/2014 available from CIR
Hydroquinone		1			1			safe at concentrations of less than or equal to 1% for cosmetic formulations designed for discontinuous, brief use followed by rinsing from the skin and hair. Hydroquinone is safe for use in nail adhesives and in artificial nail coatings, as a polymeriza	Unsafe for use in other leave-on cosmetic products	JACT 5(3):123-65 1986; JACT 13(3):167-230, 1994 IJT 29 (S4): 274-287 2010; Final repor 12/2014 available from CIR
Hydroxycetyl isostearate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydroxyethylmethacrylate Acetoacetate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 2005
Hydroxypropyl Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 2005
Hydroxystearamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic		IJT 34(S1): 18-34. 2015

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								products in which N-nitroso		
								compounds may be formed		
Iodopropynyl Butylcarbamate (IPBC)		1						safe for use at 0.1%; should		IJT 17(S5):1-37
								not be used in products intended to be aerosolized		1998
Isoamyl Laurate		1						safe as used in cosmetics		Final report 03/2013
								when formulated		available from CIR
								to be non-irritating		
Isobornyl Methacrylate		1						safe in nail enhancement		IJT 24(S5):53-100.
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
sobutyl Methacrylate		1						safe in nail enhancement		IJT 24(S5):53-100.
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
Isobutyl Myristate		1					not in current use*	safe as used in cosmetics		IJT
								when formulated		29(S3):162-186,2010
								to be non-irritating		final report 03/2013 available from CIR
Isobutyl Palmitate		1					not in current use*	safe as used in cosmetics		final report 03/2013
								when formulated		available from CIR
								to be non-irritating		
Isobutyl Pelargonate		1					not in current use*	safe as used in cosmetics		Final report 06/10
								when formulated		available from CIR:
								to be non-irritating		final report 03/2013
										available from CIR
Isobutyl Stearate		1					not in current use*	safe as used in cosmetics		JACT 4(5):107-46,
								when formulated		1985 confirmed
								to be non-irritating		06/03 IJT
										24(S1):21-25, 2005;
										final report 03/2013
										available from CIR
Isobutyl Tallowate		1					not in current use*	safe as used in cosmetics		final report 03/2013
								when formulated to be non-irritating		available from CIR
Isoceteth-10		1		-	\vdash	+ +		safe for use in cosmetics		IJT 31(S2):169-244,
1500000011710		1 1						when formulated		2012
								to be non- irritating		2012
		oxdot						to be non- initating		

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Isoceteth-12		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Īsoceteth-15		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-30		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isocetyl Behenate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl Isodecanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl Myristate		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; final report 03/2013 available from CIR
Isocetyl Palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isocetyl Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-108
Isocetyl Stearate		1					up to 30%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(5):107-46, 1985 confirmed 06/03 IJT 24(S1):21-25, 2005;

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										final report 03/2013 available from CII
Isodeceth-4		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIF
Isodeceth-5		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIF
Isodeceth-6		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIF
Isodecyl Cocoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S final report 03/2013 available from CIF
Isodecyl ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating safe for use in cosmetics when		Final report 03/2013 available from CIF
Isodecyl Hydroxystearate		1						formulated to be non-irritating		Final report 03/2013 available from CII
Isodecyl isononanoate		1					up to 59%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269 2011; final repor 03/2013 available from CIF
Isodecyl laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Isodecyl Myristate		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		IJ7 29(S3) :162-186,2010 final report 03/2013 available from CIF
Isodecyl Neopentanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Isodecyl Oleate		1					up to 8%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(2):85-95 1982 confirmed 11/01 IJ 22(S1):1-35, 2003 final report 03/2013 available from CII
Isodecyl Palmitate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CII
Īsodecyl Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-10
Isodecyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF

	Review Conclusion						Explanation			Journal Citation #
I I' IN C N					T T	TINIC	TT			Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration for S conclusion	Concentration or	Safety concern for U or UNS conclusion	
							for S conclusion	other limitation on	or UNS conclusion	
						, ,		use for SQ conclusion		
Isododecane		1						safe when formulated		IJT 31(S3): 269-295
T .		1		-		+-+		to be non- irritating		(2012)
Isoeicosane		1				1 1		safe when formulated		IJT 31(S3): 269-295
Isohexadecane		1				+ +		to be non- irritating safe when formulated		(2012) IJT 31(S3): 269-295
Isonexadecane		1				1 1		to be non- irritating		(2012)
Isohexyl Caprate	- 	1				+ +		safe for use in cosmetics when		Final report 03/2013
Isonexy1 cuprate		1				1 1		formulated to be non-irritating		available from CIR
Isohexyl Laurate		1				+ +	not in current use*	safe for use in cosmetics when		Final report 03/2013
						1 1		formulated to be non-irritating		available from CIR
Isohexyl Neopentanoate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Isohexyl Palmitate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
•						1 1		formulated to be non-irritating		available from CIR
Isolaureth-10		1						safe when formulated		IJT 31(S2):169-244
								to be non- irritating		(2012)
Isolaureth-3		1						safe when formulated		IJT 31(S2):169-244
								to be non- irritating		(2012)
Isolaureth-6		1						safe when formulated		IJT 31(S2):169-244
						\bot		to be non- irritating		(2012)
Isolauryl Behenate		1						safe for use in cosmetics when		final report 03/2013
T		1				+		formulated to be non-irritating		available from CIR
Isomyreth-3		1				1 1		safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isomyreth-9		1				+ +		safe when formulated		IJT 31(S2):169-244
Isomyrem-9		1						to be non- irritating		(2012)
Isononyl isononanoate		1	 			+ +	up to 64%	to be non inflating		IJT 30 (S3):228-269
Isononyi isononanoace		1				1 1	up to 0170			2011; final report
						1 1				03/2013 available
						1 1				from CIR
Isooctane		1						safe when formulated		IJT 31(S3): 269-295
								to be non- irritating		(2012)
Isooctyl Caprylate/Caprate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
						$\downarrow \downarrow \downarrow$		formulated to be non-irritating		available from CIR
Isooctyl Tallate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 03/2013
. 10011 1 1		1				+		formulated to be non-irritating		available from CIR
Isooctyl Thioglycolate		1				1 1		safe in hair straighteners,		IJT 28(S3):68-133
								permanent waves, tonics, dressings, etc., wave sets,		2009
								other non-coloring hair		
						1 1		products, and hair dyes and		
						1 1		colors at concentrations up to		
								15.2% (as thioglycolic acid);		
	1							hairdressers should avoid skin		
								contact and minimize cons		
Isopropanolamine		1				1 T		safe for use in cosmetic		JACT 6(1):53-76
	1					1		products; but should not be		1987 confirmed

	Review						Explanation			Journal
	Conclusion								~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								used in products containing N-nitrosating agents		12/04 IJT 25(S2) 2000
Isopropylamine Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when		IJT 29 (S4) 288-305
Isopropyl Arachidate		1		-		+ +		formulated to be non-irritating safe for use in cosmetics when		2010 Final report 03/2013
isopropyi Aracindate		1						formulated to be non-irritating		available from CIF
Isopropyl Avocadate		1				1	not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIF
Isopropyl Babassuate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
1.01					ļ			formulated to be non-irritating		available from CIF
Isopropyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Isopropyl Cresols		1						up to .5%		IJT 25(S1):29-127 2006 (Amended
										Report
Isopropyl Hydroxystearate		1						safe for use in cosmetics when		Final report 03/2013
T 1'1 1'1 1D' 1 '11M (1 1)		1						formulated to be non-irritating		available from CIF
Isopropylidenediphenyl Bisglycidyl Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 200:
Isopropyl Isostearate		1					up to 65%	safe for use in cosmetics when formulated to be non-irritating		JACT 11(1):43-9 1992; final repor 03/2013 available from CIF
Isopropyl Jojobate		1				1		safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIF
Isopropyl Lactate		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5, when formulated to avoid increasing sun sensitivity or when directions for use include		IJT 17(S1):1-242 1998
Isopropyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIF
Isopropyl Linoleate	$\overline{}$	1		-		+ +		safe for use in cosmetics when		JACT 11(1):51-56
100p10pji Emoleuc		1						formulated to be non-irritating		1992; final repor 03/2013 available from CIF

	Review						Explanation			Journal Citation to
I I' W C N	Conclusion				T.T.	LINIC	TT	<u> </u>		Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Isopropyl Myristate		1					up to 82%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(4):55-80, 1982 confirmed 06/02 IJT 24(S1):63-67, 2005; final report 03/2013 available from CIR
Isopropyl Oleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Palmitate		1					up to 44%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(2):13-35, 1982 confirmed 09/01 IJT 24(S1):28-32, 2005; final report 03/2013 available from CIR
Isopropyl Ricinoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 26(S3) 2007; final report 03/2013 available from CIR
Isopropyl Stearate		1					up to 87%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(5):107-146, 1985 confirmed 06/03 IJT 24(S1):21-25, 2005; final report 03/2013 available from CIR
Isopropyl Tallowate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Thioglycolate		1						in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors; safe at 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize consumer skin exposure		IJT 28(S3):68-133, 2009
Isostearamide DEA (amended)		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Isostearamide MEA (amended)		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should		IJT 34(S1): 18-34, 2015

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
				1	1	1		not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
Isostearamidopropyl Betaine		1				1 1		safe for use in cosmetics		IJT 31(S1):77-111
isostearum dopropyi Beanne		•						when formulated to be		2012
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Isostearamidopropyl Dimethylamine		1						safe in cosmetics as long		Final report 06/2014
1 17 7								as they are formulated		available from CIR
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
Isostearamidopropyl Morpholine Lactate		1						safe for use in rinse-		IJT 18(S3):51-56
								off products; data are		1999
								insufficient to support safety		
								in leave-on formulations		
Isosteareth-10		1						safe when formulated		IJT 31(S2):169-244
								to be non- irritating		(2012)
Isosteareth-12		1						safe when formulated		IJT 31(S2):169-244
								to be non- irritating		(2012)
Isosteareth-15		1				1 1		safe when formulated		IJT 31(S2):169-244
								to be non- irritating		(2012)
Isosteareth-16		1				1 1		safe when formulated		IJT 31(S2):169-244
		_						to be non- irritating		(2012)
Isosteareth-2		1				1		safe when formulated		IJT 31(S2):169-244
		_						to be non- irritating		(2012)
Isosteareth-20		1						safe when formulated		IJT 31(S2):169-244
Isosteticti 20		•						to be non- irritating		(2012)
Isosteareth-22		1				+ +		safe when formulated		IJT 31(S2):169-244
150510410111 22		_						to be non- irritating		(2012)
Isosteareth-25		1				+ +		safe when formulated		IJT 31(S2):169-244
Isosteticui 25		•						to be non- irritating		(2012)
Isosteareth-3		1		_	+	+ +		safe when formulated		IJT 31(S2):169-244
isostedicui 5		1						to be non- irritating		(2012)
Isosteareth-5		1			+	+ +		safe when formulated		IJT 31(S2):169-244
isostedietii 5		1						to be non- irritating		(2012)
Isosteareth-50		1			+	+ +		safe when formulated		IJT 31(S2):169-244
isosteatetti-50		1						to be non- irritating		(2012)
Isosteareth-8		1			-	+		safe when formulated		IJT 31(S2):169-244
15O5tCatCtII-0		1						to be non- irritating		(2012)
Jeograpy Avocadata		1		-	+	+ +		safe for use in cosmetics when		Final report 03/2013
Isostearyl Avocadate		1						formulated to be non-irritating		available from CIR
Isostearyl Behenate		1		-	+	+		safe for use in cosmetics when		Final report 03/2013
Isosicalyl Delicitate		1						formulated to be non-irritating		available from CIR
Isostoomid Emisoto		1		\vdash	\vdash	+	not in an			
Isostearyl Erucate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Isostearyl Ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48
Isostearyl Hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl Isononanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl Linoleate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isostearyl Myristate		1					not in use at the time*	safe for use in cosmetics when formulated to be non-irritating		IJ 29(S3):162-186,2010 final report 03/201 available from CI
Isostearyl Neopentanoate		1					up to 14%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(3):1-2' 1985 confirme 09/03 IJT 25(S2 2006; final repo 03/2013 availabl from CI
Isostearyl palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isotridecyl isononanoate		1					up to 51%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269 2011; final repo 03/2013 availabl from CI
Isotridecyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Isotridecyl Myristate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJ 29(S3) :162-186,2010 final report 03/201 available from CI
Isotridecyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CI
Jojoba oil PEG-150 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39
Jojoba oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
Kojic Acid		1						up to 1%		IJT 29 (S4): 244-273 201
Lactamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be		IJT 34(S1): 18-3-201

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		
Lactic Acid		1						safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. These ingredients are safe for use in sal		IJT 17(S1):1-242, 1998
Laneth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-15		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-16		1					up to 2%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005;IJT 31(S2):169-244 (2012)
Laneth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-5		1					up to 2%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005; IJT 31(S2):169-244 (2012)
Laneth-50		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table	Reviev Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	20000000
Laneth-60		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laneth-75		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Lanolinamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Lard		1						lead 0.1ppm; arsenic 3ppm; mercury 1ppm; total PCB/ pesticide contamination 40ppm with 10ppm for any specific residue		IJT 20(S2):57-64, 2001
Lard Glyceride		1						lead 0.1ppm; arsenic 3ppm; mercury 1ppm; total PCB/ pesticide contamination 40ppm with 10ppm for any specific residue		IJT 20(S2):57-64, 2001
Lard Glycerides		1						lead 0.1ppm; arsenic 3ppm; mercury 1ppm; total PCB/ pesticide contamination 40ppm with 10ppm for any specific residue		IJT 20(S2):57-64, 2001
Lauramide/Myristamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Lauramide DEA (amended)		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		JACT 5(5):415-54, 1986 (original report); IJT 32 (S1):36-58, 2013

	Reviev						Explanation			Journal
(Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Lauramide MEA		1	l	1	1			safe in the present practices		IJT 34(S1): 18-34,
Sauranna 1712. I		1						of use and concentration		2015
						1 1		(rinse-off products only)		
						1 1		when formulated to be		
						1 1		non-irritating; should		
						1 1		not be used in cosmetic		
						1 1		products in which N-nitroso		
						1 1		compounds may be formed		
Lauramidopropyl betaine		1				1 1		safe for use in cosmetics		IJT 31(S1):77-111,
1 17						1 1		when formulated to be		2012
						1 1		non-sensitizing, which		
						1 1		may be based on a		
						1 1		quantitative risk assessment		
Lauramidopropyl dimethylamine		1						safe in cosmetics as long		Final report 06/2014
						1 1		as they are formulated		available from CIR
						1 1		to be non-sensitizing,		
						1 1		which may be based on a		
						1 1		quantitative risk assessment		
Lauramine Oxide		1						safe for use in rinse-		JACT 13(3):231-45,
						1 1		off products; but 3.7%		1994 confirmed
						1 1		for leave-on products		09/09; IJT
						1 1				30(S2):73-127, 2011
Laureth-1		1						safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-10		1			İ			safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-11		1						safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-12		1				1 1		safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-13		1				1 1		safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-14		1				1 1		safe for use in cosmetics		IJT 31(S2):169-244
						1 1		when formulated		(2012)
						1 1		to be non- irritating		
Laureth-15		1				1 1		safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		, ,
Laureth-16		1			1	1 1		safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
			1	1		1 1		to be non- irritating		(*/

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Laureth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-21		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-23		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-30		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-38		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-50		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012
Laureth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-9		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Lauroyl arginine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Lauroyl collagen amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Lauroyl Ethyltrimonium methosulfate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S3): 296-34 (2012
Lauroyl glutamic acid		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Lauroyl lysine		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/201 available from CII
Lauroyl proline		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Lauroyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14 2001; Final report 09/201
Lauroyl silk amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Laurtrimonium bromide		1						safe for use when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Laurtrimonium chloride		1						safe for use when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Lauryl Acrylate/VA Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200
Lauryl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CII
Lauryl betaine		1					0.015-8.8%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201
Lauryl Cocoate (amended)		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S final report 03/201 available from CII
Lauryl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CII
Lauryl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48 201
Lauryl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201 available from CII
Lauryl Lactate		1								IJT 17(S1):1-242 199
Lauryl Laurate		1						safe for use in cosmetics when formulated to be non- irritating		Final report 03/201 available from CII
Lauryl Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact		IJT 24(S5):53-100 200

	Reviev clusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	T	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
nigredient Name of Group Name	3	SQ	1	L	U	UNS	for S conclusion	other limitation on	or UNS conclusion	
							for S conclusion		or UNS conclusion	
								use for SQ conclusion		
								because of the sensitizing		
								potential of methacrylates		
Lauryl Methacrylate/Glycol Dimethacrylate Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Lauryl Methacrylate/Sodium Methacrylate Crosspolymer		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Lauryl Myristate		1					not in current use*	safe for use in cosmetics when		IJT
								formulated to be non-irritating		29(S3):162-186,2010:
										final report 03/2013
										available from CIR
Lauryl Oleate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Lauryl Palmitate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Lauryl Phosphate		1						safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CIR
Lauryl Stearate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Lecithinamide DEA	1	1						safe in the present practices of		IJT 32(S1):36-58.
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Lignoceryl Erucate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Linoleamide DEA (amended)		1						safe in the present practices of		JACT 5(5):415-454.
								use and concentration when		1986 (original
								formulated to be non-irritating		report); IJT 32
								and when the levels of free		(S1):36-58, 2013
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		TTT 04/04) 40 04
Linoleamide MEA		1						safe in the present practices		IJT 34(S1): 18-34,
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
			l		1			compounds may be formed		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Linoleamidopropyl dimethylamine		1						safe in cosmetics as long as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2014 available from CIR
Linseed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Linseed Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Macadamia Seed Oil Polyglyceryl 6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Macadamia Seed Oil Polyglyceryl 6 Esters Behenate		1						safe when formulated to be non-irritating		Final report 09/2016
Macadamia ternifolia seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Magnesium/TEA-Coco-Sulfate		1					not in current use*	safe as used when formulated to be non-irritating. These ingredients should not be used in cosmetic products in which N-nitroso compounds can be formed.		IJT 32(S1):59-83 2013
Magnesium Carbonate		1						when formulated to be non-irritating		Final report 12/2016 available from CIR
Magnesium Coceth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Magnesium Hydrogen Phosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Magnesium Hydroxide		1						safe in hair straighteners and depilatories under conditions of recommended use: users should minimize skin contact; all other uses safe when formulated to be non-irritating		Final report 12/2015 available from CIR
Magnesium Isododecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305 2010
Magnesium laureth-3 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Magnesium Laureth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		1JT 29(S3) :151-161,2010
Magnesium Methyl Cocoyl Taurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Magnesium Oleth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Magnesium palmitoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non- irritating		Final report 12/2013 available from CIF
Magnesium PCA		1						safe as used; should not be used in cosmetic products in which N-nitroso compounds can be formed		Final report 12/2014 available from CIF
Magnesium Phosphate*		1						safe when formulated to be non-irritating		Final report 09/2010
Magnesium Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-108
Magnesium Thioglycolate		1						in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors; safe at 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize consumer skin exposure		IJT 28(S3):68-133 2009
Magnisium Myreth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJ7 29(S3) :151-161,2010
Malic Acid		1						safe for use as pH adjusters; insufficient data to support safety for other uses		IJT 20(S1):47-55 200
Malus Domestica (Apple) Fiber		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIF
Malus Domestica (Apple) Fruit Cell Culture Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2010 available from CIF
Malus Domestica (Apple) Fruit Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2010 available from CIF
Malus Domestica (Apple) Fruit Water		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIF
Malus Domestica (Apple) Juice		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIF
Mango Seed Oil PEG-70 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Mauritia Flexuosa Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
m-Cresol and o-Cresol		1						up to 0.5%		IJT 25 (S1):29-127.
								-		2006 (Amended
										Report
MEA-benzoate		1						safe in the present practices		Final amended report
								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
				<u> </u>				compounds may be formed		
MEA-cocoate		1						safe in the present practices		Final amended report
								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
10.10								compounds may be formed		TTT 04 (04) 55 444
Meadowfoamamidopropyl Betaine		1						safe for use in cosmetics		IJT 31(S1):77-111,
								when formulated to be		2012
								non-sensitizing, which		
								may be based on a		
MEA locate Control to		1		-	<u> </u>	+		quantitative risk assessment		Ein-1 4-4
MEA-laureth-6 carboxylate		1						safe in the present practices		Final amended report 03/12 available from
								of use and concentration (rinse-off products only)		CIR
								when formulated to be		CIN
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
MEA-laureth sulfate		1				1		safe in the present practices		Final amended report
1712/1 Iddiedi Sullate		1						of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
MEA-lauryl sulfate		1						safe in the present practices		Final amended report
								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
				1	1	1		compounds may be formed		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
1EA-PPG-8 steareth-7 carboxylate		1						safe in the present practices		Final amended report
·								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
MEA-PPG laureth-6 carboxylate		1						safe in the present practices		Final amended report
								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
IEA-Salicylate (amended)		1						safe in the present practices		Final amended report
								of use and concentration		03/12 available from
								(rinse-off products only)		CIR; IJT 22(3):1-108
								when formulated to be		(original salicylate
								non-irritating; should		report)
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed; when used as a salicylate		
								ingredient, safe when		
IEA-sulfite		1						safe in the present practices		Final amended report
IEA-suinte		1						of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		CIN
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
IEA-tallowate		1						safe in the present practices		Final amended report
		_						of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
IEA-undecylenate		1			İ			safe in the present practices		Final amended report
•								of use and concentration		03/12 available from
								(rinse-off products only)		CIR
								when formulated to be		
								non-irritating; should		
		1		I	1	1 1		not be used in cosmetic		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
				1		1 1		products in which N-nitroso		
								compounds may be formed		
Mentha Piperita (Peppermint) Leaf		1				1 1		safe as used, except that the		IJT 20(S3):61-73
								concentration of pulegone		2001
								should not exceed 1%		
Mentha Piperita (Peppermint) Leaf Extract	i	1						safe as used, except that the		IJT 20(S3):61-73
								concentration of pulegone		2001
								should not exceed 1%		
Mentha Piperita (Peppermint) Leaf Water		1						safe as used, except that the		IJT 20(S3):61-73
								concentration of pulegone		2001
								should not exceed 1%		
Mentha Piperita (Peppermint) Oil		1						safe as used, except that the		IJT 20(S3):61-73
								concentration of pulegone		2001
								should not exceed 1%		
Metaphosphoric Acid*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Methacrylic Acid		1						safe as a nail primer in the		IJT 24(S5):33-51
								present practices of use by		2005
								trained professionals, but		
								insufficient data to support		
								retail use by consumers		
Methacrylic Acid/PEG-6 Methacrylate/PEG-6		1						safe in the present practices of		Final report 11/2011
Dimethacrylate Crosspolymer								use and concentration when		available from CIR
								not polymerized in benzene		
Methacryloyl Ethyl Betaine/Acrylates Copolymer		1						safe for use when		IJT 21(S3):1-50
								formulated to avoid irritation		2002
Methenamine		1						0.16%; but should not		JACT 11(4):531-58
								be used in products		1992
								intended to be aerosolized		
Methoxydiglycol Methacrylate		1						safe in nail enhancement		IJT 24(S5):53-100
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
Methoxy PEG-10		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
						$\downarrow \qquad \downarrow$		to be non- irritating		
Methoxy PEG-100		1						safe for use in cosmetics when		IJT 31(S2):169-244
					<u> </u>			formulated to be non-irritating		(2012)
Methoxy PEG-16		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Methoxy PEG-25		1				T		safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
	1	l	I	1	1	1 1		to be non- irritating		

	Reviev clusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
g	~	~ (_	_			for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Methoxy PEG-40		1			1			safe for use in cosmetics		IJT 31(S2):169-244
•								when formulated		(2012)
								to be non- irritating		` '
Methoxy PEG-7		1				1 1		safe for use in cosmetics		IJT 31(S2):169-244
•								when formulated		(2012)
								to be non- irritating		
Methyl Alcohol		1				1 1		safe for use as a denaturant		IJT 20(S1):57-85
•										2001
Methylbenzethonium Chloride		1						0.5% skin; 0.02% eye		JACT 4(5):65-106
·								•		1985 confirmed
										03/04 IJT 25(S2)
										2006
Methylchloroisothiazolinone (with Methylisothiazolinone)		1						rinse-off 15 ppm;		JACT 11(1):75-128
•								leave-on 7.5 ppm		1992
Methyldibromo Glutaronitrile		1						leave-on 0.025%		JACT 15(2):140-65
•										1996
Methylene Chloride		1				1 1		brief, discontinuous use only 7		JACT 7(6):741-835
·								•		19887
Methylene Glycol		1			1			safe for use in cosmetics		IJT 32(S4):5-32
•								when formulated to		2013
								ensure use at the minimal		
								effective concentration,		
								but in no case should the		
								formalin concentration		
								exceed 0.2% (w/w), which		
								would be 0.074% (w/w)		
								calculated as formaldehyde or		
								0.118% (w/w) calculated as		
Methyl Glycolate		1						safe for use in cosmetic		IJT 17(S1):1-242
								products at concentrations		1998
								less than or equal to 10%,		
								at final formulation pH		
								greater than or equal to 3.5,		
								when formulated to avoid		
								increasing sun sensitivity		
								or when directions for use		
								include the daily use of sun		
								protection. These ingredients		
7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		<u> </u>			_	+		are safe for use in sal		**************************************
Methyl Isobutyl Ketone (aka MIBK)		1						safe as used in nail polish		IJT 23(S1):29-57
								removers and up to 4%		2003
M d P d' P (1)	├──	1		<u> </u>	 	+		as an alcohol denaturant		HE 20 (G2) 107 212
Methylisothiazolinone (alone)		1						safe at concentrations up		IJT 29 (S3): 187-213
								to 100 ppm and safe for		2010; Final report
								use in leave-on cosmetic		09/2014 available
								products when formulated		from CIR
								to be non-sensitizingm		
	I	1	l	I	1	1		which may be determined		

~	Review						Explanation			Journal
	nclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								based on a quantitative		
								risk assessment (QRA).		
Methylisothiazolinone (with Methylchloroisothiazolinone)	1	1				1 1		rinse-off 15 ppm;		JACT 11(1):75-128
,								leave-on 7.5 ppm		1992
Methyl Lactate	+	1		 	†			safe for use in cosmetic		IJT 17(S1):1-242
•								products at concentrations		1998
								less than or equal to 10%,		
								at final formulation pH		
								greater than or equal to 3.5,		
								when formulated to avoid		
								increasing sun sensitivity		
								or when directions for use		
								include the daily use of sun		
								protection. These ingredients		
								are safe for use in sal		
Methyl Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				-				daily use of sun protection.		TTT 00/00) 50 100
Methyl Thioglycolate		1						in hair straighteners,		IJT 28(S3):68-133
								permanent waves, tonics,		2009
								dressings, etc., wave sets,		
								other non-coloring hair		
								products, and hair dyes and colors; safe at 15.2%		
								(as thioglycolic acid);		
								hairdressers should avoid		
								skin contact and minimize		
								consumer skin exposure		
MIBK (aka Methyl Isobutyl Ketone)	+	1		 	 	1 1		safe as used in nail polish		IJT 23(S1):29-57
THERE (and Methyl Isobatyl Recone)		1						removers and up to 4%		2004
								as an alcohol denaturant		
Microcitrus Australasica Fruit Extract		1		_	<u> </u>	+ +		safe for use in rinse-off and		Final report 12/2015
		-						leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Microcitrus Australis Fruit Extract	i	1			1			safe for use in rinse-off and		Final report 12/2015
								leave-on cosmetic products		available from CIR
								when formulated to be non-		
								sensitizing and non-irritating,		
								provided that leave-on		
								products do not contain more		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								than 0.0015% (15 ppm) 5-		
								methoxypsoralen (5-MOP).		
Milkamidopropyl betaine		1				1 1		safe for use in cosmetics		IJT 31(S1):77-111.
• • •								when formulated to be		2012
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Minkamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Minkamidopropyl betaine		1			1	+ +		safe for use in cosmetics		IJT 31(S1):77-111,
winkamaopropyroctanic		1						when formulated to be		2012
								non-sensitizing, which		2012
								may be based on a		
								quantitative risk assessment		
Minkamidopropyl dimethylamine		1			1			safe in cosmetics as long		Final report 06/2014
1 17 7								as they are formulated		available from CIR
								to be non-sensitizing,		
								which may be based on a		
								quantitative risk assessment		
mink oil PEG-13 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39.
								formulated to be non-irritating		2014
MIPA-Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when		IJT 29 (S4) 288-305.
								formulated to be non-irritating		2010
Mixed Isopropanolamines		1						safe for use in cosmetic		JACT 6(1):53-76.
								products; but should not be		1987 confirmed
								used in products containing		12/04 IJT 25(S2).
								N-nitrosating agents		2006
Monoethanolamine (now Ethanolamine)		1						safe for use in rinse-off		JACT 2(7):183-235.
								products; but should not be		1983
					ļ	++		used in leave-on products		
m-Phenylenediamine		1						10% in hair dyes		IJT 16
DI 1 1' ' 0 10 .		ļ ,			ļ	++		100/: 1 : 1		(S1):59-116,1997
m-Phenylenediamine Sulfate		1						10% in hair dyes		IJT
M d 10		<u> </u>		-	 	+		C C		16(S1):59-116,1997
Myreth-10		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
Mount 2		1		-	1	+		to be non- irritating		HT 21/02).170 244
Myreth-2		1						safe for use in cosmetics when formulated		IJT 31(S2):169-244
										(2012)
								to be non- irritating		

Quiek Reference Table	Reviev Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Myreth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Myreth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Myreth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Myristamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58 2013
Myristamide MEA (amended)		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34 2015
Myristamidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111 2012
Myristamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2012 available from CIR
Myristoyl ethyltrimonium methosulfate		1						Safe in the present practices of use and concentration, when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Myristoyl glutamic acid		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Myristoyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14 2001; Final repor 09/2016
Myristyl Betaine		1					up to 0.84%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Myristyl Ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

	Reviev						Explanation			Journal
-	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Myristyl Glucoside		1						safe for use in cosmetics when		IJT 32 (S3): 22-48,
								formulated to be non-irritating		2013
Myristyl Isostearate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Myristyl Lactate (Amended)		1						safe for use in cosmetic		IJT 17(S1):1-242,
								products at concentrations		1998 JACT
								less than or equal to 10%,		1(2):97-107, 1982
								at final formulation pH		(Original Report)
								greater than or equal to3.5,		
								when formulated to avoid		
								increasing sun sensitivity		
								or when directions for use		
								include the daily use of sun		
								protection. These ingredients		
								are safe for use in sal		
Myristyl Laurate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Myristyl Myristate		1					up to 17%	safe for use in cosmetics when		JACT 1(4):55-80,
								formulated to be non-irritating		1982 confirmed
										06/02 IJT
										24(S1):63-67, 2005;
										final report 03/2013
										available from CIR
Myristyl Neopentanoate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Myristyl Phosphate		1					not in current use*	safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CIR
Myristyl Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
								daily use of sun protection.		
Myristyl Stearate		1					up to 4%	safe for use in cosmetics when		JACT 4(5):107-46,
								formulated to be non-irritating		1985 confirmed
										06/03 IJT
										24(S1):21-25, 2005;
										final report 03/2013
						\perp				available from CIR
Myrtrimonium bromide		1						safe when formulated		IJT 31(S3): 296-341
-		ļ.,	<u> </u>	├		$\downarrow \qquad \downarrow$		to be non- irritating		(2012)
Noneth-8		1						safe as used in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Nonoxynol-1		1						when formulated		IJT 18(S1):11-31,
	1		l					to be non-irritating		1999; Final report

	Review						Explanation			Journal Citation d
	Conclusion					****			0.0.	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										12/2015 available
N		1			-	+		11-41		from CII
Nonoxynol-10		1						when formulated to be non-irritating		JACT 2(7):35-60 1983; Final repor
								to be non-irritating		12/2015 available
										from CIF
Nonoxynol-100		1				+ +		when formulated		Final report 12/2015
Tolloxyllor 100		1						to be non-irritating		available from CIF
Nonoxynol-11		1		 	+	1		when formulated		Final report 12/2015
		1						to be non-irritating		available from CIF
Nonoxynol-12		1			<u> </u>	+ +		when formulated		JACT 2(7):35-60
,								to be non-irritating		1983; Final repor
								C		12/2015 available
										from CIF
Nonoxynol-120		1						when formulated		Final report 12/2015
								to be non-irritating		available from CIF
Nonoxynol-13		1						when formulated		Final report 12/2015
								to be non-irritating		available from CIF
Nonoxynol-14		1						when formulated		JACT 2(7):35-60
								to be non-irritating		1983; Final repor
										12/2015 available
										from CIF
Nonoxynol-15		1						when formulated		JACT 2(7):35-60
								to be non-irritating		1983; Final repor
										12/2015 available
N		1	ļ	-	-	+ +		111		from CIF
Nonoxynol-18		1						when formulated		Final report 12/2015
Nonoxynol-2		1			-	+ +		to be non-irritating when formulated		available from CIF IJT 18(S1):11-31
Nonoxynoi-2		1						to be non-irritating		1999 JACT
								to be non-irritating		2(7):35-60, 1983
										(Original Report)
										Final report 12/2015
										available from CIF
Nonoxynol-20		1						when formulated		Final report 12/2015
								to be non-irritating		available from CIF
Nonoxynol-23		1						when formulated		Final report 12/2015
								to be non-irritating		available from CIF
Nonoxynol-25		1					<u> </u>	when formulated		Final report 12/2015
								to be non-irritating		available from CIF
Nonoxynol-3		1				T		when formulated		IJT 18(S1):11-31
								to be non-irritating		1999; Final repor
										12/2015 available
N 120			ļ	<u> </u>		+		1 0 1 1		from CIF
Nonoxynol-30		1						when formulated		JACT 2(7):35-60
								to be non-irritating		1983; Final repor
										12/2015 available from CIF
			<u> </u>							HOIII CIF

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Nonoxynol-35		1						when formulated to be non-irritating		Final report 12/201: available from CII
Nonoxynol-4		1	-	-	<u> </u>	+		when formulated		IJT 18(S1):11-31
Nonoxynor-4		1						to be non-irritating		1999 JACT 2(7):35-60, 1983 (Original Report) Final report 12/2013
N 140					ļ					available from CII
Nonoxynol-40		1						when formulated to be non-irritating		JACT 2 (7):35-60 1983; Final repor 12/2015 available from CIF
Nonoxynol-44		1						when formulated		Final report 12/201:
					ļ			to be non-irritating		available from CII
Nonoxynol-5		1						when formulated		IJT 18(S1):11-31
								to be non-irritating		1999; Final repor 12/2015 available from CII
Nonoxynol-50		1						when formulated		JACT 2(7):35-60
								to be non-irritating		1983; Final repor 12/2015 available from CII
Nonoxynol-6		1						when formulated to be non-irritating		IJT 18(S1):11-31 1999; Final repor 12/2015 available from CIF
Nonoxynol-7		1						when formulated to be non-irritating		IJT 18(S1):11-31 1999; Final repor 12/2015 available from CIF
Nonoxynol-70		1						when formulated to be non-irritating		Final report 12/201: available from CII
Nonoxynol-8		1						when formulated to be non-irritating		IJT 18(S1):11-31 1999 JAC 2(7):35-60, 198 (Original Report) Final report 12/201: available from CII
Nonoxynol-9		1						when formulated to be non-irritating		JACT 2(7):35-60 1983; Final repor 12/2015 available from CIF
N-Phenyl-p-Phenylenediamine		1				† †		up to 1.7% as the free base		JACT 13(5):374-94
N-Phenyl-p-Phenylenediamine HCl		1						up to 1.7% as the free base		JACT 13(5):374-94
N-Phenyl-p-Phenylenediamine Sulfate		1				† †		up to 1.7% as the free base		JACT 13(5):374-94

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Oatamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34, 2015
Oatamidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111, 2012
Oatamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2014
Octacotrimonium chloride		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Octadecyl D-glucoside		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Octododecyl Avocadoate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octododecyl Beeswax		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octododecyl Behenate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octododecyltrimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Octoxynol-1		1					up to 30% in permanent waves, lower for other uses	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111, 2004
Octoxynol-3		1					not reported*	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111, 2004
Octoxynol-5		1					not reported*	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111, 2004
Octoxynol-6, -7, and -8		1					not in current use*	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111, 2004

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Octoxynol-7		1					not in current use*	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111 2004
Octoxynol-8		1					not in current use*	safe as used in rinse- off products; safe at 5% in leave-on products		IJT 23(S1):59-111 2004
Octyldecyl Oleate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldecyl Phosphate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Octyldodeceth-10		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodeceth-16		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodeceth-2		1						Safe as used in cosmetics when formulated to be non-irritating		UT 31(S2):169-244 (2012)
Octyldodeceth-20		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodeceth-25		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodeceth-30		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodeceth-5		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Octyldodecyl Cocoate (amended)		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S final report 03/2013 available from CIR
Octyldodecyl Erucate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Ethylhexanoate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Glucoside		1						Safe as used in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48 2013
Octyldodecyl Hydroxystearate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
Octyldodecyl Isostearate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Meadowfoamate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Myristate		1					up to 21%	Safe as used in cosmetics when formulated to be non-irritating		IJT 29(S3):162-186,2010; final report 03/2013 available from CIR
Octyldodecyl Neodecanoate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Neopentanoate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Octyldodecanoate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Oleate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Olivate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Ricinoleate		1					up to 5%	Safe as used in cosmetics when formulated to be non-irritating		IJT 26(S3) 2007; final report 03/2013 available from CIR
Octyldodecyl Safflowerate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Octyldodecyl Stearate		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
o-Cymen-5-ol (Amended)		1						up to 0.5%		IJT 25 (S1):29-127, 2006 JACT 3(3):131-55, 1984 (Original Report)
Oleamide DEA (amended)		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		JACT 5(5):415-454, 1986 (original report); IJT 32 (S1):36-58, 2013

	Review						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	·
Oleamide MEA	1	1		1				safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
 		<u></u>						compounds may be formed		
Oleamidopropyl betaine		1						safe for use in cosmetics		IJT 31(S1):77-111
								when formulated to be		2012
								non-sensitizing, which may be based on a		
								quantitative risk assessment		
Oleamidopropyl dimethylamine		1		_		+		safe for use in cosmetics		Final report 06/2014
Ocamidopropyi dimetryianine		1						when formulated to be		available from CIR
								non-sensitizing, which		uvunuono monii om
								may be based on a		
								quantitative risk assessment		
Oleoyl Sarcosine		1						safe as used when formulated		IJT 20(S1):1-14
•								to be non-irritating		2001; Final repor
										09/2016
Oleoyl Tyrosine		1						Safe as used in cosmetics		Final report 12/2013
								when formulated		available from CIR
								to be non-irritating		
Oleth-10		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
Ol-4- 100		1		-	-	+				(2012)
Oleth-100		1						safe as used in cosmetics when formulated		IJT 18(S2):17-24 1999; IJT
								to be non- irritating		31(S2):169-244
								to be non- irritating		(2012)
Oleth-106		1		 		+ +		safe as used in cosmetics		IJT 18(S2):17-24
		•						when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
										(2012)
Oleth-11		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
										(2012)
Oleth-12		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Oleth-15		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244
			L	<u> </u>				-		(2012)

Ingredient Name or Group Name Oleth-16	onclusion S	SQ 1	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation †
	S	SQ 1	I	Z	U	UNS				
Oleth-16		1					for S conclusion	other limitation on use for SQ conclusion	or UNS conclusion	
								safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-244 (2012
Oleth-2		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012
Oleth-20		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Oleth-23		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated to be non- irritating		1999; IJ7 31(S2):169-244
										(2012)
Oleth-24		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT 31(S2):169-244
								to be non- irritating		(2012)
Oleth-25		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Oleth-3		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012)
Oleth-30		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ 7
								to be non- irritating		31(S2):169-244 (2012)
Oleth-35		1			1	1 1		safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-244 (2012
Oleth-4		1				1 1		safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Oleth-40		1				† †		safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJT
								to be non- irritating		31(S2):169-244 (2012)
Oleth-44		1				1		safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7 31(S2):169-244
								to be non- irritating		(2012)

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Oleth-45		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-24-
Oleth-5		1		-		-		safe as used in cosmetics		(2012
Olem-5		1						when formulated		IJT 18(S2):17-24 1999; IJT
								to be non- irritating		31(S2):169-24
								to be non- irritating		(2012
Oleth-50	_	1			1	+ +		safe as used in cosmetics		IJT 18(S2):17-24
Olem 50		1						when formulated		1999; IJ
								to be non- irritating		31(S2):169-24
										(2012
Oleth-6		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-24
										(2012
Oleth-7		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ7
								to be non- irritating		31(S2):169-24-
01.4.0	_	1						6 1:		(2012
Oleth-8		1						safe as used in cosmetics when formulated		IJT 18(S2):17-24 1999; IJT
								to be non- irritating		31(S2):169-24
								to be non- irritating		(2012
Oleth-82		1				+ +		safe as used in cosmetics		IJT 18(S2):17-24
Oleur 02		1						when formulated		1999; IJ
								to be non- irritating		31(S2):169-24
								5		(2012
Oleth-9		1						safe as used in cosmetics		IJT 18(S2):17-24
								when formulated		1999; IJ
								to be non- irritating		31(S2):169-24
										(2012
Oleyl Arachidate		1					not in current use*	safe as used in cosmetics		Final report 03/2013
								when formulated		available from CII
					<u> </u>			to be non-irritating		
Oleyl Betaine		1					up to 23.7%	safe as used in cosmetics		Final report 03/2014
								when formulated		available from CII
OL 1E		1						to be non-irritating		F' 1
Oleyl Erucate		1						safe as used in cosmetics when formulated		Final report 03/2013 available from CII
								to be non- irritating		avanable from Cir
Oleyl Ethyl Phosphate	+	1		-	<u> </u>	+ +	not in current use*	Safe as used in cosmetics		Final report 09/2014
Oleyi Emyi Pilospiiate		1 1					not in current use*	when formulated		available from CII
								to be non-irritating		available Holli Cir
Oleyl Linoleate	_	1		 	 	+ +		safe as used in cosmetics		Final report 03/2013
Oley i Emoleate		1						when formulated		available from CII
								to be non-irritating		a variable from CII

	Reviev						Explanation			Journal
	Conclusion	1****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
Oleyl Myristate		1					not in current use*	safe as used in cosmetics		IJT
						1 1		when formulated		29(S3):162-186,2010
						1 1		to be non-irritating		final report 03/2013
						1 1		_		available from CIF
Oleyl Oleate		1						safe as used in cosmetics		Final report 03/2013
						1 1		when formulated		available from CII
								to be non- irritating		
Oleyl Phosphate		1					not in current use*	Safe as used in cosmetics		Final report 09/2014
						1 1		when formulated		available from CIF
								to be non-irritating		
Oleyl Stearate		1				1 1	not in current use*	safe as used in cosmetics		Final report 03/2013
						1 1		when formulated		available from CIF
								to be non-irritating		
Olivamide DEA		1				1 1		safe in the present practices of		IJT 32(S1):36-58
						1 1		use and concentration when		2013
						1 1		formulated to be non-irritating		
						1 1		and when the levels of free		
						1 1		DEA do not exceed those		
						1 1		considered safe int the CIR		
						1 1		safety assessment of DEA		
						1 1		and its salts; should not be used in cosmetic products		
Olivamide MEA		1		_	1	+ +		safe in the present practices		IJT 34(S1): 18-34
Olivallide MEA		1				1 1		of use and concentration		2015
						1 1		(rinse-off products only)		201.
						1 1		when formulated to be		
						1 1		non-irritating; should		
						1 1		not be used in cosmetic		
						1 1		products in which N-nitroso		
						1 1		compounds may be formed		
Olivamidopropyl betaine		1				1 1		safe for use in cosmetics		IJT 31(S1):77-111
1 17						1 1		when formulated to be		2012
						1 1		non-sensitizing, which		
						1 1		may be based on a		
						1 1		quantitative risk assessment		
Olivamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics		Final report 06/2014
						1 1		when formulated to be		available from CIF
						1 1		non-sensitizing, which		
						1 1		may be based on a		
								quantitative risk assessment		
Olive Oil PEG-10 esters		1				1 T		safe for use in cosmetics when		IJT 33(S4):13-39
		Ļ		<u> </u>		\downarrow		formulated to be non-irritating		2014
Olive oil PEG-6 esters		1				I		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Olive Oil PEG-7 esters		1				T		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Olive Oil PEG-8 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
						<u> </u>		formulated to be non-irritating		2014

Quick Reference Table

Quick Reference Table	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Olive Oil Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Olive Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Olive Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Olive Oil Propylene Glycol Esters*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
orbignya oleifera seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Oxyquinoline and Oxyquinoline Sulfate (Amended)		1						Safe for use as stabilizers for hydrogen peroxide in rinse- off hair products; insufficient data for leave-on uses		JJT 25(S1):1-9, 2006 JACT 11(4):497-507, 1992 (original report)
Palmamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Palmamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34, 2015
Palmamidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		UT 31(S1):77-111, 2012
Palmeth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Palmitamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Palmitamide MEA		1						safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should not be used in cosmetic		
						1 1		products in which N-nitroso		
						1 1		compounds may be formed		
Palmitamidopropyl betaine		1		-		+		safe for use in cosmetics		IJT 31(S1):77-111
ramitamidopropyi betanie		1						when formulated to be		2012
								non-sensitizing, which		2012
						1 1		may be based on a		
						1 1		quantitative risk assessment		
Palmitamidopropyl dimethylamine		1				+ +		safe for use in cosmetics		Final report 06/2014
						1 1		when formulated to be		available from CIF
								non-sensitizing, which		
						1 1		may be based on a		
								quantitative risk assessment		
Palmitoyl alanine		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
						1 1		formulated to be non-irritating		available from CIF
Palmitoyl arginine		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
						1 1		formulated to be non-irritating		available from CIF
Palmitoyl carnitine		1						safe when formulated		IJT 31(S3): 296-341
						1 1		to be non-irritating		(2012)
Palmitoyl collagen amino acids		1						safe for use in cosmetics		Final report 12/2013
								when formulated		available from CIF
								to be non- irritating		
Palmitoyl glutamic acid		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIF
Palmitoyl glycine		1				1 1		safe for use in cosmetics		Final report 12/2013
						1 1		when formulated		available from CIF
						$\downarrow \downarrow \downarrow$		to be non- irritating		
Palmitoyl gold of pleasure amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
D.1. 1. 1. 1. 1.						++		formulated to be non-irritating		available from CIF
Palmitoyl isoleucine		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
D.1. 1. 11 1. 1.				<u> </u>		+		formulated to be non-irritating		available from CIF
Palmitoyl keratin amino acids		1						safe for use in cosmetics when		Final report 12/2013
D 1 2 1 20 4 21	\longrightarrow			_	-	+		formulated to be non-irritating		available from CIF
Palmitoyl millet amino acids		1				1 1	not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIF
Delmitoril out amine saids		1			-	+ +	not in oximont work			
Palmitoyl oat amino acids		1				1 1	not in current use*	safe for use in cosmetics when		Final report 12/2013
Palmitoyl pea amino acids	-	1		-	-	+ +	not in oximont work	formulated to be non-irritating safe for use in cosmetics when		available from CIF Final report 12/2013
rannioyi pea annio acius		1					not in current use*	formulated to be non-irritating		available from CIF
Palmitoyl proline		1		-	1	+ +		safe for use in cosmetics when		Final report 12/2013
rannioyi pronne		1						formulated to be non-irritating		available from CIF
Palmitoyl quinoa amino acids		1		-	1	+	not in current use*	safe for use in cosmetics when		Final report 12/2013
rammoyi quinoa ammo acids		1	1			1 1	not in current use*	formulated to be non-irritating		available from CIF

	Reviev						Explanation			Journal Citation #
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Palmitoyl silk amino acids		1						safe for use in cosmetics when		Final report 12/2013
•								formulated to be non-irritating		available from CIR
Palm kernelamide DEA		1			1			safe in the present practices of		Final amended repor
								use and concentration when		09/11 available from
								formulated to be non-irritating		CIF
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Palm kernelamide MEA		1						safe in the present practices		IJT 34(S1): 18-34,
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
Palm kernelamidopropyl betaine		1						safe for use in cosmetics		IJT 31(S1):77-111.
								when formulated to be		2012
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Palm Kernel Oil Polyglyceryl-4 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Palm Oil PEG-8 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39.
								formulated to be non-irritating		2014
Palm Oil Polyglyceryl-3 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Palm Oil Polyglyceryl-4 Esters		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Palm Oil Polyglyceryl-5 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Palm Oil Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2016
								to be non-irritating		_
Pamitoyl ethyltrimonium methosulfate		1						safe when formulated		IJT 31(S3): 296-341
• •								to be non-irritating		(2012)
Pantothenamide MEA		1						safe in the present practices		IJT 34(S1): 18-34.
								of use and concentration		2015
	1							(rinse-off products only)		
	1							when formulated to be		
	1							non-irritating; should		
	1							not be used in cosmetic		
								products in which N-nitroso		
	1							compounds may be formed		
Parinari Curatellifolia Oil Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2016
	1							to be non-irritating		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Passiflora edulis seed oils PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PCA		1						safe as used; should not be used in cosmetic products in which N-nitroso compounds can be formed		IJT 18(S2):25-34 1999; Final repor 12/2014 available from CIF
p-Chloro-m-Cresol (amended)		1						up to 5%		IJT 25 (S1):29-127 2006 IJT 16(S3):235-68,199 (Original Report
Peanutamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34 201:
Peanut Oil PEG-6 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG/PPG-10/2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-14/2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-14/7 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-17/4 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-22/40 Dimethyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-27/14 Dimethyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-3/6 Dimethyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-35/40 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-36/41 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-4/2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-40/2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG/PPG-5/2 Methacrylate/Methacrylic Acid Crosspolyn	ner	1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/201 available from CIF
PEG/PPG-50/40 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG/PPG-52/32 Dimethyl Ether		1					not in current use*	safe for use in cosmetics when		Final report 09/2013
DEG/DDG 55/00 D' - 1 1 E4						-		formulated to be non-irritating		available from CIF
PEG/PPG-55/28 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG/PPG-6/2 Propylheptyl Ether		1			1	1 1	not in current use*	safe for use in cosmetics when		Final report 09/2013
								formulated to be non-irritating		available from CIF
PEG/PPG-7/12 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
DEC/DDC 9/2 Drawythontyd Ethor		1		-	-	+ +	not in oximont yea*			
PEG/PPG-8/2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG/PPG-9/2 Dimethyl Ether		1				+ +		safe for use in cosmetics when		Final report 09/2013
1 Ed/11 G-7/2 Difficulty Edici		1						formulated to be non-irritating		available from CIR
PEG-100 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-100 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
, ,								formulated to be non-irritating		2014
PEG-10 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-10 Cocamine*		1						safe as used when formulated		IJT 18(S1):11-31
								to be non-irritating		1999; Final repor
										06/2015 available
										from CIR
PEG-10 dioleate*		1						safe when formulated		Final report 03/2015
DEG 101 1 1 1 1 1					1	 		to be non-irritating		available from CIR
PEG-10 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
DEC 10 badas and decreased in the state of		1	ļ	-	-	+		formulated to be non-irritating		2014 IJT 33(S4):13-39
PEG-10 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		2014
PEG-10 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when		IJT 33(S4):13-39
FEG-10 hydrogenated castor on trisostearate		1						formulated to be non-irritating		2014
PEG-10 hydrogenated tallow amine*		1			1	+ +		safe as used when formulated		Final report 06/2015
TEG To hydrogenated tanow annine		1						to be non-irritating		available from CIR
PEG-10 Laurate		1				+ +		up to 25%		IJT 19(S2):29-41
		_						SF 15 25 75		2000
PEG-10 oleamine*		1				1 1		safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIR
PEG-10 Olive Glycerides		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIR
PEG-10 sorbitan laurate		1						safe as used when formulated		IJT 19 (S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 available
			ļ	<u> </u>	↓	 				from CIR
PEG-10 soyamine*		1						safe as used when formulated		Final report 06/2015
DEG 10		ļ .	ļ			1 1		to be non-irritating		available from CIR
PEG-10 stearamine*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIR

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
PEG-10 Sunflower Glycerides		1						safe when formulated		Final report 12/2014
·								to be non- irritating		available from CIF
PEG-10 Tsubakiate Glycerides*		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF
PEG-11 Avocado Glycerides*		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF
PEG-11 Babassu Glycerides*		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF
PEG-11 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-11 Cocoa Butter Glycerides*		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF
PEG-11 tallow amine*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIF
PEG-120 distearate		1						safe when formulated		IJT 19(S1):51-59
								to be non-irritating		1999; Final repor
										03/2015 available
										from CIF
PEG-12 cocamine*		1						safe as used when formulated		Final report 06/2015
DEG 40 W								to be non-irritating		available from CIF
PEG-12 diisostearate		1						safe when formulated		Final report 03/2015
DEC 10 11		1		-	-	-		to be non-irritating		available from CIF
PEG-12 dilaurate*		1						safe when formulated		IJT 19(S2):29-41
								to be non-irritating		2000; Final repor 03/2015 available
										from CIF
PEG-12 Dioleate		1		+	+	+		safe when formulated		Final report 03/2015
FEG-12 Dioleate		1						to be non-irritating		available from CIF
PEG-12 Distearate		1		+	+	+ +		safe when formulated		IJT 19(S1):51-59
I EG-12 Distentate		1						to be non-irritating		1999; Final repor
								to be non inflating		03/2015 available
										from CIF
PEG-12 Ditallate*		1		+	<u> </u>	+ +		safe when formulated		Final report 03/2015
								to be non-irritating		available from CIF
PEG-12 Laurate		1		1	<u> </u>	1 1		up to 25%		IJT 19(S2):29-41
								1		2000
PEG-12 palmitamine*		1				1 1		safe as used when formulated		Final report 06/2015
•								to be non-irritating		available from CIF
PEG-12 Palm Kernel Glycerides*		1				1 1		safe when formulated		Final report 12/2014
-								to be non- irritating		available from CIF
PEG-13 Mink Glycerides*		1				1 1		safe when formulated		Final report 12/2014
•								to be non- irritating		available from CIF
PEG-13 Sunflower Glycerides		1				1		safe when formulated		Final report 12/2014
·								to be non- irritating		available from CIF
PEG-14 Avocado Glycerides*		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF

	Review						Explanation	Journal
	Conclusion	****						Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration Concentration or Safety concern for S conclusion other limitation on use for SQ conclusion	
PEG-14 Laurate		1					up to 25%	IJT 19(S2):29-41 2000
PEG-150 dibehenate*		1					safe when formulated to be non-irritating	Final report 03/201: available from CII
PEG-150 dilaurate*		1					safe when formulated to be non-irritating	IJT 19(S2):29-41 2000; Final repor 03/2015 availabl from CIF
PEG-150 dioleate*		1					safe when formulated to be non-irritating	Final report 03/201: available from CIF
PEG-150 distearate		1					safe when formulated to be non-irritating	IJT 19(S1):51-59 1999; Final repor 03/2015 available
PEG-150 Laurate		1					up to 25%	from CIF IJT 19(S2):29-41 2000
PEG-15 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39 2014
PEG-15 cocamine		1					safe as used when formulated to be non-irritating	Final report 06/2011 available from CII
PEG-15 hydrogenated castor oil isostearate		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39
PEG-15 hydrogenated castor oil triisostearate		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39 2014
PEG-15 hydrogenated tallow amine*		1					safe as used when formulated to be non-irritating	Final report 06/2011 available from CII
PEG-15 Jojoba Alcohol		1					safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-24- (2012
PEG-15 oleamine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-15 soyamine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-15 stearamine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-15 tallow amine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-160 Sorbitan Triisostearate		1					safe as used when formulated to be non-irritating	IJT 19(S2):43-89 2000; Final repor 06/2015 availabl from CII
PEG-16 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39 2014
PEG-16 Cetyl/Oleyl/Stearyl/Lanolin Alcohol Ether		1					safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-24- (2012
PEG-16 dilaurate*		1					safe when formulated to be non-irritating	Final report 03/201: available from CII

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Camada 1
PEG-16 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-16 Macadamia Glycerides		1						safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-175 diisostearate		1						safe when formulated to be non-irritating		Final report 03/201 available from CI
PEG-175 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59 1999; Final repo 03/2015 availabl from CI
PEG-18 castor oil dioleate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-18 Palm Glycerides*		1						safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-18 sorbitan trioleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repo 06/2015 availabl from CI
PEG-190 distearate*		1						safe when formulated to be non-irritating		Final report 03/201 available from CI
PEG-192 Apricot Kernel Glycerides		1						safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-200 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-200 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-200 Laurate		1						up to 25%		IJT 19(S2):29-41 200
PEG-20 Almond Glycerides		1						safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-20 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39
PEG-20 cocamine*		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-3: 1999; Final repo 06/2015 availabl from CI
PEG-20 Corn Glycerides*		1						safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-20 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-4: 2000; Final repo 03/2015 availabl
PEG-20 dioleate*		1				\dagger		safe when formulated to be non-irritating		from CI Final report 03/201 available from CI
PEG-20 distearate*		1						safe when formulated to be non-irritating		UT 19(S1):51-59 1999; Final repo 03/2015 availabl from CI

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-20 Evening Primrose Glycerides*		1		Т	1			safe when formulated		Final report 12/2014
,								to be non- irritating		available from CII
PEG-20 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
•								formulated to be non-irritating		201
PEG-20 hydrogenated castor oil isostearate		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-20 hydrogenated castor oil laurate	i	1				1 1		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-20 hydrogenated castor oil pca isostearate	i	1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-20 hydrogenated castor oil triisostearate	i	1				1 1		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-20 Hydrogenated Palm Glycerides		1						safe when formulated		Final report 12/2014
								to be non- irritating		available from CIF
PEG-20 hydrogenated tallow amine*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIF
PEG-20 Laurate		1						up to 25%		IJT 19(S2):29-41
										2000
PEG-20 oleamine*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIF
PEG-20 sorbitan cocoate	1	1				1 1		safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 available
										from CIF
PEG-20 sorbitan isostearate		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 available
										from CIF
PEG-20 sorbitan oleate*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIF
PEG-20 sorbitan triisostearate*		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 available
DDG 20 . 11						1				from CIF
PEG-20 tallow amine*		1						safe as used when formulated		Final report 06/2015
DDG 40 T 1 11 4 G1 11 4						\perp		to be non-irritating		available from CIF
PEG-20 Tsubakiate Glycerides*		1						safe when formulated		Final report 12/2014
DDG 22 . 11					1			to be non- irritating		available from CIF
PEG-22 tallow amine*		1						safe as used when formulated		Final report 06/2015
DEC 250 1'		L .	<u> </u>	-	-	+		to be non-irritating		available from CIF
PEG-250 distearate		1						safe when formulated		Final report 03/2015
DDG 25 . '1		. .	<u> </u>	-	-	+		to be non-irritating		available from CIF
PEG-25 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
DEC 25 by decomposed coats: -11		1	 	+	\vdash	+		formulated to be non-irritating safe for use in cosmetics when		2014
PEG-25 hydrogenated castor oil		l I						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39
			L					iorniurated to be non-irritating		2014

Quick reference Tuble	Review Conclusion						Explanation	-		Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-25 Moringa Glycerides*		1						safe when formulated to be non- irritating		Final report 12/201 available from CII
PEG-25 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CII
PEG-25 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CII
PEG-26 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-26 Jojoba Alcohol		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-24 (2012
PEG-29 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-2 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-2 cocamine		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-31 1999; Final report 06/2015 availabl from CII
PEG-2 diisononanoate		1						safe when formulated to be non-irritating		IJT 30(S3):228-269 2011; Final report 03/2015 availabl from CII
PEG-2 diisostearate*		1						safe when formulated		Final report 03/201 available from CII
PEG-2 Dilaurate*		1						to be non-irritating safe when formulated to be non-irritating		UT 19(S2):29-41 2000; Final report 03/2015 availabl from CII
PEG-2 dioleate*		1						safe when formulated		Final report 03/201 available from CII
PEG-2 distearate		1						to be non-irritating safe when formulated to be non-irritating		IJT 19(S1):51-59 1999; Final repor 03/2015 availabl from CII
PEG-2 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-2 hydrogenated tallow amine*		1				1 1		safe as used when formulated to be non-irritating		Final report 06/201 available from CII
PEG-2 lauramine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CII
PEG-2 Laurate		1				† †		up to 25%		IJT 19(S2):29-41 200
PEG-2 Laurate SE		1				† †		up to 25%		IJT 19(S2):29-41 200
PEG-2 oleamine		1				+ +		safe as used when formulated to be non-irritating		Final report 06/201 available from CII
PEG-2 Olive Glycerides*		1				1 1		safe when formulated to be non- irritating		Final report 12/201 available from CII

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-2 rapseedamine		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-2 sorbitan isostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repo 06/2015 availabl from CI
PEG-2 sorbitan trioleate*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-2 soyamine		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-2 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-2 Sunflower Glycerides*		1				\dagger		safe when formulated to be non- irritating		Final report 12/201 available from CI
PEG-2 tallow amine		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-30 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 16(S3):269-300 1997; IJ 33(S4):13-39, 201
PEG-30 Glyceryl Cocoate		1						safe when formulated to be non- irritating		IJT 19(S1):51-59 1999; Final repo 12/2014 availabl from CI
PEG-30 Hydrogenated Castor Oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 16(S3):269-300 1997; IJ 33(S4):13-39, 201
PEG-30 Hydrogenated Castor Oil Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-30 Hydrogenated Castor Oil Laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-30 Hydrogenated Castor Oil PCA Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-30 Hydrogenated Castor Oil Triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201
PEG-30 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-30 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-30 sorbitan beeswax		1				\dagger		safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-30 sorbitan tetraoleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repo 06/2015 availabl from CI
PEG-30 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/201 available from CI
PEG-32 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-4 2000; Final repo

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										03/2015 availat from C
PEG-32 dioleate*		1				+		safe when formulated		Final report 03/20
								to be non-irritating		available from C
PEG-32 distearate*		1						safe when formulated		IJT 19(S1):51-
								to be non-irritating		1999; Final rep
										03/2015 availal
						\perp				from C
PEG-32 Laurate		1						up to 25%		IJT 19(S2):29-4
7					1	 				20
PEG-33 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-3
PEG-35 Almond Glycerides*		1		-	-	+ +		formulated to be non-irritating safe when formulated		Final report 12/20
2EG-35 Almond Glycendes*		1						to be non- irritating		available from C
PEG-35 castor oil	_	1				+ +		safe for use in cosmetics when		IJT 33(S4):13-3
EG-55 castor on		1						formulated to be non-irritating		20
PEG-35 hydrogenated castor oil		1				1		safe for use in cosmetics when		IJT 33(S4):13-3
20 to hydrogenmed editor on		•						formulated to be non-irritating		20
PEG-35 Soy Glycerides		1						safe when formulated		Final report 12/20
, ,								to be non- irritating		available from C
PEG-36 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-3
								formulated to be non-irritating		20
PEG-3 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-3
								formulated to be non-irritating		20
PEG-3 cocamine*		1						safe as used when formulated		IJT 18(S1):11-3
								to be non-irritating		1999; Final repo
										06/2015 availab
PEG-3 dicaprylate/caprate*		1		-	-	+		safe when formulated		Final report 03/20
PEG-3 dicapryrate/caprate*		1						to be non-irritating		available from C
PEG-3 diisostearate*		1		-	+	+ +		safe when formulated		Final report 03/20
EG-3 disosteatate		1						to be non-irritating		available from C
PEG-3 dioleate*		1				1 1		safe when formulated		Final report 03/20
20 t diolette		•						to be non-irritating		available from C
PEG-3 dipalmitate*		1				1		safe when formulated		Final report 03/20
1								to be non-irritating		available from C
PEG-3 distearate		1						safe when formulated		IJT 19(S1):51-5
								to be non-irritating		1999; Final repo
										03/2015 availab
										from C
PEG-3 Glyceryl Cocoate		1						safe when formulated		Final report 12/20
250 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ļ.,	ļ	┞	<u> </u>	+		to be non- irritating		available from C
PEG-3 Methyl Ether		1						safe for use in cosmetics when		IJT 31(S2):169-2
DEC 2kitlt-		<u> </u>	ļ	 	-	++		formulated to be non-irritating		(201
PEG-3 sorbitan oleate		1						safe as used when formulated		IJT 19(S2):43-8 2000; Final repo
								to be non-irritating		06/2015 availab
	1	1	I	1		1 1				from C

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-3 sorbitan stearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repor 06/2015 available from CIF
PEG-3 sorbitan tristearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-40 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-40 distearate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIF
PEG-40 Glyceryl Cocoate		1						safe when formulated to be non- irritating		IJT 19(S1):51-59 1999; Final repor 12/2014 available from CIF
PEG-40 Hydrogenated Castor Oil		1						safe for use in cosmetics when formulated to be none-irritating		IJT 16(S3):269-306 1997; IJT 33(S4):13-39, 2014
PEG-40 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-40 hydrogenated castor oil laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-40 hydrogenated castor oil pca isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-40 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-40 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-40 Jojoba Alcohol		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012
PEG-40 Olive Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-40 sorbitan diisostearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repor 06/2015 available from CIF
PEG-40 sorbitan lanolate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89 2000; Final repor 06/2015 available from CIF
PEG-40 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repor 06/2015 available from CIF
PEG-40 sorbitan oleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-40 sorbitan perisostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89 2000; Final repor

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										06/2015 availabl from CII
PEG-40 sorbitan peroleate		1		<u> </u>	+	+ +		safe as used when formulated		IJT 19 (S2):43-89
20 To sololium peroleule		1						to be non-irritating		2000; Final repor
										06/2015 availabl
										from CII
PEG-40 sorbitan stearate		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 availabl
										from CII
PEG-40 sorbitan tetraoleate		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 availabl
DEC 40 D 1 G1 11 #						+		6 1 6 1 1		from CII
PEG-42 Babassu Glycerides*		1						safe when formulated		Final report 12/2014
PEG-42 Mushroom Glycerides*		1			-	-		to be non- irritating		available from CII
PEG-42 Mushroom Glycerides*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CII
PEG-44 castor oil		1			-	+		safe for use in cosmetics when		IJT 33(S4):13-39
PEG-44 castor on		1						formulated to be non-irritating		201
PEG-44 sorbitan laurate		1			-	-		safe as used when formulated		IJT 19 (S2):43-89
PEG-44 sorbitan laurate		1						to be non-irritating		2000; Final repor
								to be non-irritating		06/2015 availabl
										from CII
PEG-45 hydrogenated castor oil		1				+ +		safe for use in cosmetics when		IJT 33(S4):13-39
120 13 hydrogenated editor on		1						formulated to be non-irritating		201
PEG-45 Palm Kernel Glycerides		1				1		safe when formulated		Final report 12/201
								to be non- irritating		available from CII
PEG-45 Safflower Glycerides*		1						safe when formulated		Final report 12/201
·								to be non- irritating		available from CII
PEG-4 Caprylic/capric Glycerides*		1						safe when formulated		Final report 12/201
								to be non-irritating		available from CII
PEG-4 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-4 cocamine*		1						safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
PEG-4 dicocoate*		1						safe when formulated		Final report 03/201:
								to be non-irritating		available from CII
PEG-4 diheptanoate		1						safe when formulated		Final report 03/201.
				ļ				to be non-irritating		available from CII
PEG-4 diisostearate*		1						safe when formulated		Final report 03/201
					<u> </u>			to be non-irritating		available from CII
PEG-4 Dilaurate		1						safe when formulated		IJT 19(S2):29-41
								to be non-irritating		2000; Final repor
										03/2015 availabl
DEC 4 Discrete conducts		1	-	-	-	+		f- i i1 1		from CII
PEG-4 Dimethacrylate		1				1 1		safe in nail enhancement products when skin contact is		IJT 24(S5):53-100

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
				_	-			potential of methacrylates		E' 1
PEG-4 dioleate*		1						safe when formulated to be non-irritating		Final report 03/201: available from CII
PEG-4 distearate		1		-	-	+		safe when formulated		IJT 19(S1):51-59
EG-4 distearate		1						to be non-irritating		1999; Final repor
								to be non-intating		03/2015 available
										from CIF
PEG-4 Distearyl Ether		1				† †		safe for use in cosmetics when		IJT 31(S2):169-244
•								formulated to be non-irritating		(2012)
PEG-4 Ditallow Ether		1						safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
PEG-4 Laurate		1						up to 25%		IJT 19(S2):29-41
										2000
PEG-4 Methyl Ether		1						safe for use in cosmetics when		IJT 31(S2):169-244
								formulated to be non-irritating		(2012)
PEG-4-PPG-7 C13/C15 Alcohol		1					not in current use*	safe for use in cosmetics when		Final report 09/2013
								formulated to be non-irritating		available from CIR
PEG-4 sorbitan stearate*		1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIR
PEG-4 sorbitan triisostearate*		1						safe as used when formulated		Final report 06/2015
20.00				-				to be non-irritating		available from CIR
PEG-50 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
DEC 50 1' 4		1		-	-			formulated to be non-irritating		2014
PEG-50 distearate		1						safe when formulated		IJT 19(S1):51-59 1999; Final repor
								to be non-irritating		03/2015 available
										from CIR
PEG-50 hydrogenated castor oil		1			+			safe for use in cosmetics when		IJT 33(S4):13-39
LOS 50 Hydrogenated easter on		1						formulated to be non-irritating		2014
PEG-50 hydrogenated castor oil isostearate		1		_	1	+ +		safe for use in cosmetics when		IJT 33(S4):13-39
20 to ily di ogenimod custor on isostemute								formulated to be non-irritating		2014
PEG-50 hydrogenated castor oil laurate		1		 	1	+ +		safe for use in cosmetics when		IJT 33(S4):13-39
, and a second s								formulated to be non-irritating		2014
PEG-50 hydrogenated castor oil succinate		1			1			safe for use in cosmetics when		IJT 33(S4):13-39
, ,								formulated to be non-irritating		2014
PEG-50 hydrogenated castor oil triisostearate		1			1	1 1		safe for use in cosmetics when		IJT 33(S4):13-39
• •								formulated to be non-irritating		2014
PEG-50 hydrogenated tallow amine*		1				1 1		safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIR
PEG-50 stearamine*		1						safe as used when formulated		Final report 06/2015
						<u> </u>		to be non-irritating		available from CIR
PEG-54 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
			1					formulated to be non-irritating		2014

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
PEG-54 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-55 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-55 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-58 hydrogenated castor oil isostearate		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-5 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
					<u> </u>	+		formulated to be non-irritating		2014
PEG-5 cocamine		1						safe as used when formulated		Final report 06/2015
77.7				-	ļ	+		to be non-irritating		available from CIF
PEG-5 hydrogenated castor oil		1						safe for use in cosmetics when		Final amended repor
								formulated to be non-irritating		09/12 available from
DEC 5 harders are to discontinuous and in a state of the		1		-	<u> </u>	+ +		f- fi		CIF
PEG-5 hydrogenated castor oil isostearate		1						safe for use in cosmetics when		IJT 33(S4):13-39
PEG-5 hydrogenated castor oil triisostearate		1		-	<u> </u>	+ +		formulated to be non-irritating safe for use in cosmetics when		2014 IJT 33(S4):13-39
PEG-5 hydrogenated castor oil triisostearate		1						formulated to be non-irritating		2014
PEG-5 Hydrogenated Corn Glycerides*		1		-	<u> </u>	+ +		safe when formulated		Final report 12/2014
PEG-3 Hydrogenated Com Grycendes*		1						to be non- irritating		available from CIF
PEG-5 hydrogenated tallow amine		1		+	<u> </u>	+ +		safe as used when formulated		Final report 06/2015
1 EG-5 flydrogenated tailow affiline		1						to be non-irritating		available from CIF
PEG-5 oleamine*		1		+	-	+ +		safe as used when formulated		Final report 06/2015
TEG 5 ofeanime		1						to be non-irritating		available from CIF
PEG-5 sorbitan isostearate*	+	1	-	+	 	+ +		safe as used when formulated		IJT 19(S2):43-89
1 De 3 soronan isostearate		•						to be non-irritating		2000; Final repor
								to be non minumg		06/2015 available
										from CIF
PEG-5 soyamine		1						safe as used when formulated		Final report 06/2015
•								to be non-irritating		available from CIF
PEG-5 stearamine*	1	1						safe as used when formulated		Final report 06/2015
								to be non-irritating		available from CIF
PEG-5 Tsubakiate Glycerides*		1						safe when formulated		Final report 12/2014
								to be non-irritating		available from CIF
PEG-60 Almond Glycerides		1						safe when formulated		Final report 12/2014
								to be non-irritating		available from CIF
PEG-60 castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-60 castor oil isostearate		1						safe for use in cosmetics when	<u> </u>	IJT 33(S4):13-39
								formulated to be non-irritating		2014
PEG-60 castor oil isostearate		1				T		safe for use in cosmetics when		Final amended repor
								formulated to be non-irritating		09/12 available from
			Ļ		Ļ	$\downarrow \qquad \downarrow$				CIF
PEG-60 Corn Glycerides*		1						safe when formulated		Final report 12/2014
					<u></u>			to be non- irritating		available from CIF

	Review						Explanation			Journal
	Conclusion				**	T D 10	**		G G XX	Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
PEG-60 Evening Primrose Glycerides*		1						safe when formulated		Final report 12/2014
PPG (01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				<u> </u>	ļ	+		to be non- irritating		available from CIF
PEG-60 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
DEC (01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1		<u> </u>		-		formulated to be non-irritating		2014
PEG-60 hydrogenated castor oil laurate		1						safe for use in cosmetics when		IJT 33(S4):13-39
PEG-60 hydrogenated castor oil pca isostearate		1		 	<u> </u>	+ +		formulated to be non-irritating safe for use in cosmetics when		2014 IJT 33(S4):13-39
PEG-60 hydrogenated castor on pca isostearate		1				1 1		formulated to be non-irritating		2014
PEG-60 Hydrogenated Castor Oil Triisostearate		1	-	-	<u> </u>	+		safe for use in cosmetics when		IJT 33(S4):13-39
1 EG-00 Hydrogenated Castor On Thisostearate		1				1 1		formulated to be non-irritating		2014
PEG-60 Passiflora Edulis Seed Glycerides*		1			<u> </u>	+ +		safe when formulated		Final report 12/2014
1 EG-00 T assimora Eduns Seed Grycerides		1				1 1		to be non-irritating		available from CIR
PEG-60 Passiflora Incarnata Seed Glycerides*		1				+ +		safe when formulated		Final report 12/2014
120 00 1 assimora incarnata seed Gryceriaes		•				1 1		to be non-irritating		available from CIR
PEG-60 Shea Butter Glycerides		1				+ +		safe when formulated		Final report 12/2014
,						1 1		to be non- irritating		available from CIR
PEG-60 sorbitan stearate*		1			<u> </u>	1 1		safe as used when formulated		IJT 19(S2):43-89
						1 1		to be non-irritating		2000; Final report
						1 1		Ç		06/2015 available
						1 1				from CIR
PEG-60 sorbitan tetraoleate		1			Ì			safe as used when formulated		IJT 19(S2):43-89
						1 1		to be non-irritating		2000; Final repor
						1 1				06/2015 available
										from CIR
PEG-60 sorbitan tetrastearate*		1				1 1		safe as used when formulated		IJT 19(S2):43-89
						1 1		to be non-irritating		2000; Final report
						1 1				06/2015 available
DEC (0.T. 1.1' + Cl'1 *		1		-	<u> </u>	+		6 1 6 1 1		from CIR Final report 12/2014
PEG-60 Tsubakiate Glycerides*		1				1 1		safe when formulated to be non- irritating		available from CIR
PEG-65 hydrogenated castor oil		1		-	<u> </u>	+		safe for use in cosmetics when		IJT 33(S4):13-39
PEG-63 hydrogenated castor on		1				1 1		formulated to be non-irritating		2014
PEG-6 Almond Glycerides*	-	1	-	_	1	+ +		safe when formulated		Final report 12/2014
1 EG-0 Amiona Gryceriaes		1				1 1		to be non- irritating		available from CIR
PEG-6 Caprylic/capric Glycerides		1		-		+		safe when formulated		Final report 12/2014
120 o captylic/captic officeriaes		•				1 1		to be non- irritating		available from CIR
PEG-6 diisostearate		1				1 1		safe when formulated		Final report 03/2015
						1 1		to be non-irritating		available from CIR
PEG-6 dilaurate*		1			1	1		safe when formulated		IJT 19(S2):29-41
						1 1		to be non-irritating		2000; Final repor
						1 1		_		03/2015 available
										from CIR
PEG-6 dioleate*	1	1		1				safe when formulated		Final report 03/2015
								to be non-irritating		available from CIR
PEG-6 distearate	1	1		1				safe when formulated		IJT 19(S1):51-59
								to be non-irritating		1999; Final repor
										03/2015 available
										from CIR

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-6 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		Final amended report
PEG-6 Hydrogenated Palm/palm Kernel Glyceride*		1						safe when formulated to be non-irritating		CIF IJT 33(S4):13-39 2014
PEG-6 Laurate		1						up to 25%		IJT 19(S2):29-41 2000
PEG-6 Methyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-6 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-6 Olive Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-6 sorbitan oleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-6 sorbitan stearate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIF
PEG-7/PPG-2 Propylheptyl Ether		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
PEG-70 Mango Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-75 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-75 Cocoa Butter Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-75 crambe abyssinica seed oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-75 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41 2000; Final repor 03/2015 available from CIF
PEG-75 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIF
PEG-75 distearate*		1						safe when formulated to be non-irritating		IJT 19 (S1):51-59 1999; Final repor 03/2015 available from CIF
PEG-75 Laurate		1						up to 25%		IJT 19(S2):29-41 2000
PEG-75 meadowfoam oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
PEG-75 Shea Butter Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-75 Shorea Butter Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
PEG-75 sorbitan lanolate*		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89 2000; Final repor

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								=		06/2015 availabl from CI
PEG-75 sorbitan laurate	+	1	-	+	+	+ +		safe as used when formulated		IJT 19 (S2):43-89
								to be non-irritating		2000; Final repo
										06/2015 availab
		<u> </u>				\perp				from CI
PEG-75 Soy Glycerides*		1						safe when formulated		Final report 12/201
DEC 70 Cl		1	-	-	-	++		to be non- irritating		available from CI
PEG-78 Glyceryl Cocoate*		1						safe when formulated		
								to be non- irritating		1999; Final report 12/2014 available
										from CI
PEG-7 Caprylic/capric Glycerides	+	1	-	+	+	+		safe when formulated		Final report 12/201
The reaptifier capite differences		1						to be non- irritating		available from CII
PEG-7 Cocoglycerides*		1						safe when formulated		Final report 12/201
								to be non- irritating		available from CI
PEG-7 Glyceryl Cocoate		1			1	1 1		safe when formulated		IJT 19(S1):51-59
								to be non- irritating		1999; Final repo
								C		12/2014 availabl
										from CII
PEG-7 hydrogenated castor oil		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-7 Methyl Ether		1						safe for use in cosmetics when		IJT 31(S2):169-24
								formulated to be non-irritating		(2012
PEG-7 Olive Glycerides*		1						safe when formulated		Final report 12/201
								to be non- irritating		available from CII
PEG-7 Propylheptyl Ether		1						safe for use in cosmetics when		IJT 31(S2):169-24
		<u> </u>	ļ	-	ļ	\vdash		formulated to be non-irritating		(2012
PEG-7 Sunflower Glycerides*		1						safe when formulated		Final report 12/201
DEC 7 . 11		1		-	-	-		to be non- irritating safe as used when formulated		available from CII
PEG-7 tallow amine*		1						to be non-irritating		Final report 06/201 available from CII
PEG-80 castor oil		1	-	-	+	+		safe for use in cosmetics when		IJT 33(S4):13-39
i EG-60 Castol Oli		1						formulated to be non-irritating		201
PEG-80 Glyceryl Cocoate	- 	1	-	_	+	+ +		safe when formulated		IJT 19(S1):51-59
LG-50 Glyceryi Cocome		1						to be non- irritating		1999; Final repo
								to be non-minumg		12/2014 availabl
										from CII
PEG-80 hydrogenated castor oil		1				1 1		safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		201
PEG-80 sorbitan laurate		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 availabl
		ļ								from CI
PEG-80 sorbitan palmitate*		1						safe as used when formulated		IJT 19(S2):43-89
								to be non-irritating		2000; Final repor
										06/2015 availabl
			<u> </u>							from CII

	Review						Explanation	Journal
	Conclusion	****						Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration Concentration or Safety concern for Use for S conclusion other limitation on use for SQ conclusion	
PEG-8 Caprylic/capric Glycerides		1					safe when formulated to be non- irritating	Final report 12/2014 available from CII
PEG-8 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39
PEG-8 cocamine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-8 dicocoate		1					safe when formulated to be non-irritating	Final report 03/201: available from CII
PEG-8 diisostearate		1					safe when formulated to be non-irritating	Final report 03/201: available from CII
PEG-8 dilaurate		1					safe when formulated to be non-irritating	IJT 19(S2):29-41 2000; Final repor 03/2015 availabl
PEG-8 dioleate		1					safe when formulated to be non-irritating	from CII Final report 03/201: available from CII
PEG-8 distearate		1					safe when formulated to be non-irritating	IJT 19(S1):51-59 1999; Final repor 03/2015 availabl from CII
PEG-8 ditallate*		1					safe when formulated to be non-irritating	Final report 03/201: available from CII
PEG-8 hydrogenated castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39 2014
PEG-8 Hydrogenated Fish Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 available from CII
PEG-8 hydrogenated tallow amine		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-8 Laurate		1					up to 25%	IJT 19(S2):29-41
PEG-8 Propylheptyl Ether		1					safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-24 (2012
PEG-8 soyamine*		1					safe as used when formulated to be non-irritating	Final report 06/201: available from CII
PEG-90 diisostearate		1					safe when formulated to be non-irritating	Final report 03/201: available from CII
PEG-9 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39 2014
PEG-9 Cocoglycerides*		1				\dagger	safe when formulated to be non- irritating	Final report 12/2014 available from CII
PEG-9 distearate*		1					safe when formulated to be non-irritating	IJT 19 (S1):51-59 1999; Final repor 03/2015 availabl from CII
PEG-9 Laurate		1				\dagger	up to 25%	IJT 19(S2):29-41 200

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	Citation †
PEG-Cetyl Stearyl Diether	1	1		1		1 1		use for SQ conclusion safe for use in cosmetics when		IJT 31(S2):169-24
								formulated to be non-irritating		(2012
Pentapotassium Triphosphate		1						safe when formulated		Final report 09/2010
								to be non-irritating		
Pentasodium Triphosphate*		1						safe when formulated		Final report 09/201
DI (1 1 A1 1 1		1				-		to be non-irritating		IA CT 0/2) 165 02
Phenethyl Alcohol		1						up to 1%		JACT 9(2):165-83 1990 confirmed 08/00
Phosphate Buffered Saline*		1						safe when formulated to be non-irritating		Final report 09/2010
Phosphoric Acid		1				1 1		safe when formulated		Final report 09/2010
					 	$\downarrow \longrightarrow$		to be non-irritating		
Phthalic Anhydride/Trimellitic Anhydride/Glycols Copolymer		1						safe in nail product formulations		Final report 09/2016
P-hydroxyanisole		1			1	+ +		safe for use in nail adhesives	unsafe for use in all other	JACT 4 (5):31-63
P-nydroxyanisole		1			1			and in artificial nail coatings,	cosmetics due to dermal	1985 confirmed
								as a polymerization inhibitor,	depigmentation potential	09/03 IJT 25(S2)
									depignientation potential	* *
								that are cured by LED light;		2006; Final repor 12/2014 available
										from CIF
Pinus Sibirica Seed Oil Polyglyceryl-6 Esters*		1				+ +		safe when formulated		Final report 09/2016
		_						to be non-irritating		
Polyacrylamide (Amended)		1			<u> </u>	1 1		safe if the level of acrylamide		IJT 24(S2):21-50
, , ,								monomer in formulation		2005 JACT
								is not greater than 5ppm		10(1):193-203, 199
										(Original Report
Polyacrylic Acid		1						safe for use when		IJT 21(S3):1-50
								formulated to avoid irritation		2002
Polyglyceryl-10 Apricot Kernelate*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-10 Behenate/Eicosadioate		1						safe when formulated		Final report 09/2010
								to be non-irritating		
Polyglyceryl-10 Caprate*		1						safe when formulated		Final report 09/2010
						+		to be non-irritating		
Polyglyceryl-10 Caprylate/Caprate		1						safe when formulated		Final report 09/2016
7.1.1.100						+		to be non-irritating		Ti 1
Polyglyceryl-10 Caprylate*		1						safe when formulated		Final report 09/2016
Polyglyceryl-10 Cocoate*		1			-	+		to be non-irritating safe when formulated		Final report 09/2016
Polyglyceryi-10 Cocoate		1						to be non-irritating		rmai report 09/2010
Polyglyceryl-10 Decaethylhexanoate*		1			_	+ +		safe when formulated		Final report 09/2016
1 orygrycoryi-10 Decaemymeranoate								to be non-irritating		1 mai report 03/2010
Polyglyceryl-10 Decahydroxystearate*		1		+	+	+ +		safe when formulated		Final report 09/2016
1 organization of the control of the								to be non-irritating		1 mai report 07/2010
Polyglyceryl-10 Decaisostearate		1		 	+	+ +		safe when formulated		Final report 09/2016
		*						to be non-irritating		10port 07/2010

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
Polyglyceryl-10 Decalinoleate*		1		1				use for SQ conclusion safe when formulated		Final report 09/201
D. 1 1 110 D 1 1 1 2		<u> </u>	ļ	-	-	++		to be non-irritating		F' 1
Polyglyceryl-10 Decamacadamiate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-10 Decaoleate	\rightarrow	1		+	+	+		safe when formulated		Final report 09/201
1 orygrycory 1 to 2 comorante		1						to be non-irritating		1 mai report 05/201
Polyglyceryl-10 Decastearate*		1			1	1		safe when formulated		Final report 09/201
								to be non-irritating		•
Polyglyceryl-10 Dicocoate*		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Didecanoate*		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Diisostearate		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Dilaurate*		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Dimyristate*		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Dioleate		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Dipalmitate		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Distearate		1						safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-10 Dodecabehenate*		1						safe when formulated		Final report 09/201
				-		\vdash		to be non-irritating		
Polyglyceryl-10 Dodecacaprate*		1						safe when formulated		Final report 09/201
						++		to be non-irritating		F' 1
Polyglyceryl-10 Dodeca-Caprylate/ Caprate*		1						safe when formulated		Final report 09/201
D 1 1 110 D 1 1 1 4				-	-	+		to be non-irritating		Final report 09/201
Polyglyceryl-10 Dodecacaprylate*		1						safe when formulated		Final report 09/201
Polyglyceryl-10 Eicosanedioate/Tetradecanedioate*		1	-	-	-	+		to be non-irritating safe when formulated		Final report 09/201
Forygryceryi-10 Ercosanedioate/ Tetradecanedioate		1						to be non-irritating		rmai report 09/201
Polyglyceryl-10 Hepta(Behenate/Stearate)*		1		-	+	+		safe when formulated		Final report 09/201
rorygryceryr-10 riepta(Benenate/Stearate)		1						to be non-irritating		rmar report 09/201
Polyglyceryl-10 Heptahydroxystearate	+	1		_	+	+ +		safe when formulated		Final report 09/201
r orygryceryr-10 rieptanydroxystearate		1						to be non-irritating		Tillar report 07/201
Polyglyceryl-10 Heptaoleate*		1		+	 	+ +		safe when formulated		Final report 09/201
rolygiyeeryr to rieptaoleate								to be non-irritating		Timar report 03/201
Polyglyceryl-10 Heptastearate*		1				1		safe when formulated		Final report 09/201
- 1011		`						to be non-irritating		
Polyglyceryl-10 Hexaerucate*		1	<u> </u>		†	1		safe when formulated		Final report 09/201
303 · 3 · · · · · · · · · · · · · · · ·		-						to be non-irritating		
Polyglyceryl-10 Hexaisostearate*		1				1 1		safe when formulated		Final report 09/201
• • •								to be non-irritating		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyglyceryl-10 Hexaoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Hydroxystearate/Stearate/Eicosadioate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Laurate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Linoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Mono/Dioleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Myristate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Nonaerucate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Nonaisostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Oleate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Palmate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Palmitate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentahydroxystearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentaisostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentalaurate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentalinoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentaoleate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentaricinoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Pentastearate		1				1 1		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Sesquistearate*		1				1 1		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Stearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-10 Tetradecanedioate*		1				+ +		safe when formulated to be non-irritating		Final report 09/2010

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Polyglyceryl-10 Tetralaurate*		1		1				safe when formulated		Final report 09/2016
						1 1		to be non-irritating		•
Polyglyceryl-10 Tetraoleate*		1						safe when formulated		Final report 09/2016
						1 1		to be non-irritating		
Polyglyceryl-10 Tricocoate*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-10 Tridecanoate*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-10 Trierucate*		1				1 1		safe when formulated		Final report 09/2016
						\perp		to be non-irritating		
Polyglyceryl-10 Triisostearate*		1				1 1		safe when formulated		Final report 09/2016
					ļ	+		to be non-irritating		
Polyglyceryl-10 Trilaurate*		1				1 1		safe when formulated		Final report 09/2016
D.1. 1. 1.10 T.1					ļ	++		to be non-irritating		E' 1 .00/2016
Polyglyceryl-10 Trioleate*		1				1 1		safe when formulated		Final report 09/2016
D 1 1 110 T 1 1		1		-	<u> </u>	+		to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tristearate		1				1 1		safe when formulated		Final report 09/2016
D-11		1		-	<u> </u>	+		to be non-irritating		Ein-1
Polyglyceryl-10 Undecylenate*		1				1 1		safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-15 Diisostearate*		1		_	<u> </u>	+		safe when formulated		Final report 09/2016
Polyglyceryi-13 Diisostearate"		1				1 1		to be non-irritating		riliai report 09/2016
Polyglyceryl-20 Docosabehenate/Isostearate*		1		-	<u> </u>	+		safe when formulated		Final report 09/2016
1 orygryceryr-20 Docosabenenate/Isostearate		1				1 1		to be non-irritating		Tillal Teport 09/2010
Polyglyceryl-20 Docosabehenate/Laurate*		1		1	1	+ +		safe when formulated		Final report 09/2016
1 orygrycery 1 20 Bocosabenenate/ Edurate		1				1 1		to be non-irritating		Tillar report 07/2010
Polyglyceryl-20 Docosabehenate/Oleate*		1			<u> </u>	+ +		safe when formulated		Final report 09/2016
, 8-,,		_				1 1		to be non-irritating		
Polyglyceryl-20 Heptacaprylate*		1			<u> </u>	1 1		safe when formulated		Final report 09/2016
						1 1		to be non-irritating		1
Polyglyceryl-20 Heptadecabehenate/Laurate*		1				1 1		safe when formulated		Final report 09/2016
						1 1		to be non-irritating		•
Polyglyceryl-20 Hexacaprylate*		1			1			safe when formulated		Final report 09/2016
						1 1		to be non-irritating		
Polyglyceryl-20 Octadecabehenate/Laurate*		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-20 Octaisononanoate*		1						safe when formulated		Final report 12/11
						1 1		to be non-irritating		available from CIR;
					<u> </u>	\bot			,	Final report 09/2016
Polyglyceryl-2 Caprate		1				1 1		safe when formulated		Final report 09/2016
D.1. 1.0.0. 1.1.		<u> </u>		—	<u> </u>	+		to be non-irritating		TP 1 00/001
Polyglyceryl-2 Caprylate*		¹						safe when formulated		Final report 09/2016
D.1. 1. 12 D."		1		├──	 	+		to be non-irritating		F' 1 + 00/2016
Polyglyceryl-2 Diisostearate		1						safe when formulated		Final report 09/2016
Polyglyceryl-2 Dioleate*		1		-	-	+		to be non-irritating		Final report 09/2016
rotygtyceryi-2 Dioleate"		1						safe when formulated to be non-irritating		rmai report 09/2016
			<u> </u>					to be non-irritating		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyglyceryl-2 Distearate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Isopalmitate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Isopalmitate/Sebacate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Laurate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Myristate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Oleate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Palmitate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Sesquicaprylate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Sesquiisostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Sesquioleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Sesquistearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Stearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Tetrabehenate/Macadamiate/Sebacate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Tetraisostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Tetraoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Tetrastearate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-2 Triisostearate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-3 Beeswax		1				-		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-3 Behenate*		1				\dagger		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-3 Caprate		1				\dagger		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-3 Caprylate		1				\dagger		safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-3 Cocoate*		1				† †		safe when formulated to be non-irritating		Final report 09/2010

	Reviev						Explanation			Journal
	Conclusion	1****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyglyceryl-3 Dicaprate*		1				Т		safe when formulated		Final report 09/201
Polyglyceryl-3 Dicitrate/Stearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Dicocoate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Di Hydroxystearate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Diisostearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Dioleate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Distearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Isostearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Laurate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Myristate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Oleate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Palmitate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Pentacaprylate/Caprate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Pentaolivate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Pentaricinoleate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Rice Branate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Ricinoleate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Soyate/Shea Butterate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Stearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Stearate SE*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Triisostearate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-3 Triolivate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-4 Almondate/Shea Butterate*		1				\dagger		safe when formulated to be non-irritating		Final report 09/201

						Explanation			Journal
Conclusion	****								Citation †
S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1				\dagger		safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1						safe when formulated		Final report 09/201
	1				\dagger		safe when formulated		Final report 09/201
	1						safe when formulated to be non-irritating		Final report 09/201
	Conclusion		Conclusion**** S SQ I 1 1 1 1 1 1 1 1 1 1 1 1	Conclusion**** S SQ I Z 1	Conclusion**** S SQ I Z U 1	Conclusion**** S		S SQ I Z U UNS Use concentration for S conclusion S SQ I Z U UNS Use concentration on the limitation on use for SQ conclusion I I Safe when formulated to be non-irritating safe when formulated to	S SQ I Z U UNS Use concentration for S conclusion I Description of the imitation of the concentration of the conc

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
Polyglyceryl-5 Dioleate		1						use for SQ conclusion safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-5 Hexastearate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Isostearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Laurate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Myristate*		1				1 1		safe when formulated		Final report 09/201
						+		to be non-irritating		
Polyglyceryl-5 Oleate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Pentamyristate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Ricinoleate*		1						safe when formulated		Final report 09/201
				<u> </u>		\bot		to be non-irritating		
Polyglyceryl-5 Stearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Tribehenate*		1						safe when formulated		Final report 09/201
0.1.1.1.5.77								to be non-irritating		F! 1
Polyglyceryl-5 Triisostearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Trimyristate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-5 Trioleate		1			1	1		safe when formulated		Final report 09/201
, , , , , , , , , , , , , , , , , , ,								to be non-irritating		
Polyglyceryl-5 Tristearate*		1				1 1		safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-6 Adansonia Digitata Seedate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-6 Apricot Kernelate*		1		_	+	+		safe when formulated		Final report 09/201
Forygryceryi-o Apricot Kemerate		1						to be non-irritating		rmar report 09/201
Polyglyceryl-6 Argan Kernelate*		1				1 1		safe when formulated		Final report 09/201
								to be non-irritating		-
Polyglyceryl-6 Behenate*		1						safe when formulated		Final report 09/201
Polyglyceryl-6 Caprate*		1			-	+ +		to be non-irritating safe when formulated		Final report 09/201
Forygryceryi-o Capitale		1						to be non-irritating		rmar report 09/201
Polyglyceryl-6 Caprylate/Caprate		1				1 1		safe when formulated		Final report 09/201
								to be non-irritating		
Polyglyceryl-6 Caprylate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-6 Citrullus Lanatus Seedate*		1			 	+ +		safe when formulated		Final report 09/201
		,						to be non-irritating		•
Polyglyceryl-6 Dicaprate*		1						safe when formulated		Final report 09/2010
								to be non-irritating		

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyglyceryl-6 Diisostearate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-6 Dioleate		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-6 Dipalmitate*		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-6 Distearate		1						safe when formulated to be non-irritating		Final report 09/201
Polyglyceryl-6 Heptacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-6 Hexaoleate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-6 Hexastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Laurate*		1						safe when formulated to be non-irritating		Final report 09/2010
Polyglyceryl-6 Myristate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Octacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Octastearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Palmitate/Succinate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Palmitate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Pentacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Pentaoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Pentaricinoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Pentastearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Ricinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Schinziophyton Rautanenii Kernelate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Sclerocarya Birrea Seedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Sesquicaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016

	Review						Explanation			Journal
Coi	nclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
Polyglyceryl-6 Sesquiisostearate*	1	1		1		1 1		use for SQ conclusion safe when formulated		Final report 09/2016
								to be non-irritating		-
Polyglyceryl-6 Sesquistearate*		1						safe when formulated		Final report 09/2016
Polyglyceryl-6 Stearate*		1		_	1	+		to be non-irritating safe when formulated		Final report 09/2016
Polyglyceryi-o Stearate		1						to be non-irritating		rmai report 09/2010
Polyglyceryl-6 Tetrabehenate*	+	1		-	<u> </u>	+		safe when formulated		Final report 09/2016
Folygiyeeryi-o Tetrabenenate		1						to be non-irritating		riiai report 09/2010
Polyglyceryl-6 Tetracaprylate*	+	1			1	+ +		safe when formulated		Final report 09/2016
1 orygryceryr o Terracapryrace		1						to be non-irritating		Tillar report 03/2010
Polyglyceryl-6 Tetraoleate*	+	1		_	<u> </u>	1 1		safe when formulated		Final report 09/2016
1 organically		•						to be non-irritating		Tillar report 05/2010
Polyglyceryl-6 Tricaprylate		1			<u> </u>	1		safe when formulated		Final report 09/2016
1 organically a managery managery		-						to be non-irritating		Timar report 05/2010
Polyglyceryl-6 Trichilia Emetica Seedate*	+	1			1	1		safe when formulated		Final report 09/2016
. , , , , , , , , , , , , , , , , , , ,								to be non-irritating		
Polyglyceryl-6 Tristearate*		1			<u> </u>	1 1		safe when formulated		Final report 09/2016
7,60,000								to be non-irritating		
Polyglyceryl-6 Undecylenate*	1	1			1	1 1		safe when formulated		Final report 09/2016
								to be non-irritating		1
Polyglyceryl-6 Ximenia Americana Seedate*	1	1			1	1 1		safe when formulated		Final report 09/2016
								to be non-irritating		•
Polyglyceryl-8 C12-20 Acid Ester*		1				1 1		safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-8 Decabehenate/Caprate		1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-8 Decaerucate/Decaisostearate/ Decaricinoleate	e	1						safe when formulated		Final report 09/2016
								to be non-irritating		
Polyglyceryl-8 Oleate*		1						safe when formulated		Final report 09/2016
					<u> </u>	\bot		to be non-irritating		
Polyglyceryl-8 Stearate*		1						safe when formulated		Final report 09/2016
<u></u>					ļ	+		to be non-irritating		71 CT 11(2) 201 20
Polyoxymethylene Urea		1						concentration of free		JACT 14(3):204-20,
								formaldehyde should be 0.2%; unsafe for aerosols		1995 confirmed 12/09
Polypropylene Glycols (PPG)	+	1		-	<u> </u>	+ +		50%		JACT 13 (6):437-91,
Polypropylene Glycols (PPG)		1						30%		1994 reopened 12/09
										tentative amended
										report 04/10 available
										from CIR
Polyquaternium-14	+	1		 	<u> </u>	+ +		safe when formulated		IJT 31(S3): 296-341
· .								to be non- irritating		(2012)
Polyquaternium-28	1	1		<u> </u>	<u> </u>	+ +		safe when formulated		IJT 31(S3): 296-341
**	1							to be non- irritating		(2012)
Polyquaternium-32	1	1			1	† †		safe when formulated		IJT 31(S3): 296-341
	1							to be non- irritating		(2012)

	Review						Explanation			Journal
	Conclusion		-		**	T 73 T G	**		0.0	Citation †
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Polyquaternium-33		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-35		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-36		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-37		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-45		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-47		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-48		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-53		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-63		1						safe when formulated		IJT 31(S3): 296-341
		<u> </u>	<u> </u>		<u> </u>	\perp		to be non- irritating		(2012)
Polyquaternium-73		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polyquaternium-91		1						safe when formulated		IJT 31(S3): 296-341
								to be non- irritating		(2012)
Polysilicone-2		1	1					The CIR Expert Panel		Final 03/2016
								concluded that polysilicone-2,		available from CIR
								polysilicone-4, and polysilicone-5 are safe		
								in cosmetics when used		
								as surface modifiers (i.e.		
								encapsulating metal oxides),		
								and that the available data or		
								information are insufficient		
								to make a determination that		
								these ingredients are safe		
								for their use independently		
								or for other functions as		
								listed in the Dictionary		
								(e.g., antifoaming agents,		
								hair conditioning agents,		
								and viscosity increasing		
						\perp		agents - nonaqueous).		
Polysilicone-4	1	1	1					The CIR Expert Panel		Final 03/2016
	1							concluded that polysilicone-2,		available from CIR
	1							polysilicone-4, and		
	1							polysilicone-5 are safe		
	1							in cosmetics when used as surface modifiers (i.e.		
	1							as surface modifiers (i.e. encapsulating metal oxides),		
	1							and that the available data or		
	1	1	I	I	1	1 1		and that the available data of		

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
								use for SQ conclusion		
								information are insufficient		
								to make a determination that		
								these ingredients are safe		
								for their use independently		
								or for other functions as		
								listed in the Dictionary		
								(e.g., antifoaming agents,		
								hair conditioning agents,		
								and viscosity increasing agents - nonaqueous).		
Polysilicone-5		1	1	-	+	+		The CIR Expert Panel		Final 03/2016
Folyshicone-3		1	1					concluded that polysilicone-2,		available from CIR
								polysilicone-4, and		available from CIK
								polysilicone-5 are safe		
								in cosmetics when used		
								as surface modifiers (i.e.		
								encapsulating metal oxides),		
								and that the available data or		
								information are insufficient		
								to make a determination that		
								these ingredients are safe		
								for their use independently		
								or for other functions as		
								listed in the Dictionary		
								(e.g., antifoaming agents,		
								hair conditioning agents,		
								and viscosity increasing		
D.1. 1 + 20		1	-	-	-			agents - nonaqueous).		IA CIT 2(5) 1 02
Polysorbate 20		1						safe as used when formulated		JACT 3(5):1-82,
								to be non-irritating		1984; Final report 06/2015 available
										from CIR
Polysorbate 21		1	 	 	+			safe as used when formulated		JACT 3(5):1-82,
1 Olysolbule 21		1						to be non-irritating		1984; Final report
								to ou non minumg		06/2015 available
										from CIR
Polysorbate 40		1			1			safe as used when formulated		JACT 3(5):1-82,
·								to be non-irritating		1984; Final report
								_		06/2015 available
										from CIR
Polysorbate 60		1		1				safe as used when formulated		JACT 3(5):1-82,
								to be non-irritating		1984; Final report
										06/2015 available
										from CIR
Polysorbate 61		1						safe as used when formulated		JACT 3(5):1-82,
								to be non-irritating		1984; Final report
										06/2015 available
										from CIR

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					**	173.10	**		G C	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polysorbate 65		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82 1984; Final repor 06/2015 available from CIF
Polysorbate 80		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82 1984; Final repor 06/2015 available from CIF
Polysorbate 81		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82 1984; Final repor 06/2015 available from CIF
Polysorbate 85		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82 1984; Final repor 06/2015 available from CIF
Potassium Acrylates/C10-30 Alkyl Acrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/201 available from CII
Potassium Aluminum Polyacrylate		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 2002
Potassium Bicarbonate*		1						when formulated to be non-irritating		Final report 12/2010 available from CII
Potassium Bromate		1						10.17% (calculated as Sodium Bromate)		JACT 13(5):400-14
Potassium C11-15 alkyl phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIF
Potassium C12-13 alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CII
Potassium C12-14 alkyl phosphate	1	1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CII
Potassium C9-15 alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CII
Potassium Caproyl Tyrosine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Potassium capryloyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Potassium Carbonate		1						when formulated to be non-irritating		Final report 12/2010 available from CII
Potassium Cetyl Phosphate		1						safe for use when formulated to be non- irritating		Final report 09/2014 available from CII
Potassium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Potassium cocoyl glycinate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Potassium cocoyl rice amino acids	+	1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Potassium Cocoyl Sarcosinate*		1						safe as used when formulated		Final report 09/2010
•								to be non-irritating		•
Potassium Cocoyl Taurate*		1						when formulated		Final Report 12/201:
·								to be non-irritating		available from CII
Potassium Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when		IJT 29 (S4) 288-305
•								formulated to be non-irritating		2010
Potassium Glycolate		1				1 1				IJT 17(S1):1-242
•										1998
Potassium Hydroxide		1						safe in hair straighteners and		Final report 12/201:
·								depilatories under conditions		available from CII
								of recommended use: users		
								should minimize skin contact;		
								all other uses safe when		
								formulated to be non-irritating		
Potassium Lactate		1			†	1 1				IJT 17(S1):1-242
										1998
Potassium lauroyl collagen amino acids*		1				1	not in current use*	safe for use in cosmetics when		Final report 12/2013
r ottassium naroyi vonagen annio avias		1					not in current use	formulated to be non-irritating		available from CII
Potassium lauroyl glutamate*		1			1	1	not in current use*	safe for use in cosmetics when		Final report 12/2013
1 otassium fauroyi giutamate		1					not in current use	formulated to be non-irritating		available from CII
Potassium lauroyl oat amino acids*		1				+ +	not in current use*	safe for use in cosmetics when		Final report 12/2013
Fotassium fautoyi oat amino acius		1					not in current use.	formulated to be non-irritating		available from CII
Detective layered and amino oxide*		1			-	+ +	not in oximont work	safe for use in cosmetics when		Final report 12/2013
Potassium lauroyl pea amino acids*		1					not in current use*	formulated to be non-irritating		available from CII
D-4		1		-	-	+				
Potassium Lauroyl Sarcosinate*		1						safe as used when formulated		Final report 09/2010
5		ļ .		-		+		to be non-irritating		Ti 1 10/001
Potassium lauroyl silk amino acids*		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
		<u> </u>				\perp		formulated to be non-irritating		available from CII
Potassium lauroyl wheat amino acids		1						safe for use in cosmetics when		Final report 12/2013
						$\downarrow \qquad \downarrow$		formulated to be non-irritating		available from CII
Potassium Lauryl Phosphate		1						safe for use in cosmetics when		Final report 09/2014
								formulated to be non-irritating		available from CII
Potassium Metaphosphate		1						safe when formulated		Final report 09/2010
								to be non-irritating		
Potassium Methyl Cocoyl Taurate		1						when formulated		Final Report 12/201:
								to be non-irritating		available from CII
Potassium Myristoyl Glutamate		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CII
Potassium olivoyl/lauroyl wheat amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CII
Potassium PCA		1						safe as used; should		Final report 12/2014
								not be used in cosmetic		available from CII
								products in which N-nitroso		
								compounds can be formed		
Potassium PEG-50 hydrogenated castor oil succinate*		1	<u> </u>		†	1		safe for use in cosmetics when		IJT 33(S4):13-39
	1	1				1 1		formulated to be non-irritating		2014

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Potassium Persulfate		1						safe as oxidizing agents		IJT 20(S3):7-21
						1 1		in hair colorants and		200
						1 1		lighteners designed for		
						1 1		brief, discontinuous use		
						1 1		followed by thorough		
								rinsing from hair and skin		
Potassium Phosphate		1						safe when formulated		Final report 09/2010
								to be non-irritating		
Potassium Polyacrylate		1						safe for use when		IJT 21(S3):1-50
						1 1		formulated to avoid irritation		2000
Potassium Polyphosphate*		1			1			safe when formulated		Final report 09/2010
						1 1		to be non-irritating		•
Potassium Salicylate		1				1 1		safe when formulated to		IJT 22(3):1-10
•								avoid irritation and to avoid		` '
						1 1		increasing sun sensitivity,		
						1 1		or when increased sun		
						1 1		sensitivity would be expected,		
						1 1		directions for use include the		
						1 1		daily use of sun protection.		
Potassium Silicate		1				1	not reported*	safe for use when formulated		IJT 24(S1):103-117
						1 1	r	to avoid skin irritation		200:
Potassium Stearoyl glutamate		1				1 1	not in current use*	safe for use in cosmetics when		Final report 12/2013
						1 1		formulated to be non-irritating		available from CII
Potassium Taurate*		1			<u> </u>	+ +		when formulated		Final Report 12/201:
Totassiani Taurate		•				1 1		to be non-irritating		available from CII
Potassium Thioglycolate		1			<u> </u>	+ +		safe for use in hair		IJT 28(S3):68-133
1 otassium 1 mogrycolate		1				1 1		straighteners permanent		2009
								waves, tonics, dressings,		200.
						1 1		and so forth, wave sets,		
						1 1		other noncoloring hair		
						1 1		products, and hair dyes and		
						1 1		colors, at concentrations		
						1 1		up to 15.2%; hairdressers		
								should avoid skin contact		
						1 1		and minimize consumer skin		
Potassium undecylenoyl glutamate		1			 	+ +	not in current use*	safe for use in cosmetics when		Final report 12/2013
i otassium undecylenoyi giutamate		1				1 1	not in current use	formulated to be non-irritating		available from CII
PPG-10-Buteth-9*		1		-	<u> </u>	+		safe when formulated		
PPG-10-Dutetti-9"		1				1 1				Final report 3/201'
DDC 10 C		1		-	<u> </u>	+		to be non-irritating		available from CII
PPG-10-Ceteareth-20		1				1 1	not in current use*	safe when formulated		Final report 09/2013
DDC 12		_				1		to be non-irritating		Available from CII
PPG-12		1						safe when formulated		JACT 13(6):437-91
						1 1		to be non- irritating		1994; IJT 31(2
DDG 10 D . 1 100		<u> </u>		<u> </u>	<u> </u>	1				245-260, 2012
PPG-12-Buteth-12*		l						safe when formulated		Final report 3/201
		igsquare		<u> </u>	Ļ	$\downarrow \downarrow \downarrow$		to be non-irritating		available from CII
PPG-12-Buteth-16		1						safe when formulated		Final report 3/201
						<u> </u>		to be non-irritating		available from CII

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PPG-12 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52 2001; Final repo 3/2017 available from CI
PPG-13		1						safe when formulated to be non- irritating		IJT 31(2) 245-260 201
PPG-13-Decyltetradeceth-24		1						safe when formulated to be non- irritating		Final report 09/201 Available from CI
PPG-14 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-55 2001; Final repo 3/2017 available from
PPG-14-Deceth-6		1						safe when formulated to be non- irritating		CI Final report 09/201 Available from CI
PPG-15		1						safe when formulated to be non- irritating		JACT 13(6):437-9 1994; IJT 31(2 245-260, 201
PPG-15-Buteth-20		1						safe when formulated to be non-irritating		Final report 3/201 available from CI
PPG-15 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-5 2001; Final repo 3/2017 available fro
PPG-16		1						safe when formulated to be non- irritating		IJT 31(2) 245-266 201
PPG-16 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-55 2001; Final repo 3/2017 available from
PPG-17		1						safe when formulated to be non- irritating		CI JACT 13(6):437-9 1994; IJT 31(2 245-260, 201
PPG-17-Buteth-17		1						safe when formulated to be non-irritating		Final report 3/201 available from CI
PPG-17 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52 2001; Final repo 3/2017 available from CI
PPG-18 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-5: 2001; Final repo 3/2017 available from CI
PPG-19-Buteth-19*		1						safe when formulated to be non-irritating		Final report 3/201 available from CI
PPG-1-Ceteth-1		1				1 1	not in current use*	safe when formulated to be non-irritating		Final report 09/201 Available from CI
PPG-1-Ceteth-10		1					not in current use*	safe when formulated to be non-irritating		Final report 09/201 Available from CI

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ		Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
ingredient Name of Group Name	5	SQ	1	L	U	UNS	for S conclusion	other limitation on	or UNS conclusion	
							101 5 Colletusion		of ONS conclusion	
PPG 1 G 1 40								use for SQ conclusion		F' 1 .00/0016
PPG-1-Ceteth-20		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013
PPG-1-Ceteth-5		1		-	-	+ +	not in assument seak			Available from CIF Final report 09/2013
PPG-1-Celetti-3		1					not in current use*	safe when formulated to be non-irritating		Available from CIF
PPG-1-Deceth-4		1		-	<u> </u>	+	not in current use*	safe when formulated		Final report 09/2013
11G-1-Deceui-4		1					not in current use	to be non-irritating		Available from CIF
PPG-1-Deceth-5		1		 	1	+ +	not in current use*	safe when formulated		Final report 09/2013
11 o 1 Decem 3		1					not in current use	to be non-irritating		Available from CIF
PPG-1-Deceth-6		1					not in current use*	safe when formulated		Final report 09/2013
110 1 Deccui o		1					not in current use	to be non-irritating		Available from CIF
PPG-1-Deceth-7		1				1 1	not in current use*	safe when formulated		Final report 09/2013
1101200001		1					not in current use	to be non-irritating		Available from CIF
PPG-1-Isodeceth-4		1			<u> </u>	1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-1-Isodeceth-6		1			1	1	not in current use*	safe when formulated	1	Final report 09/2013
								to be non-irritating		Available from CIF
PPG-1-Isodeceth-7		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-1-Isodeceth-9		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-1 Trideceth-13		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-1 Trideceth-6		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-20		1						safe when formulated		JACT 13(6):437-91
								to be non- irritating		1994; IJT 31(2
				Ļ	<u> </u>	\perp				245-260, 2012
PPG-20-Buteth-30		1						safe when formulated		Final report 3/2017
PDG 40 P 1 P 1					ļ	+		to be non-irritating		available from CIF
PPG-20 Butyl Ether*		1						safe when formulated		IJT 20(S4):39-52
								to be non-irritating		2001; Final repor 3/2017 available from
										CIF
PPG-20-Decyltetradeceth-10		1		 	1	+ +		safe when formulated		Final report 09/2013
11 G-20-Decyhetradeceth-10		1						to be non- irritating		Available from CIF
PPG-22 Butyl Ether*		1				+ +		safe when formulated		IJT 20(S4):39-52
11 0 22 Butyl Buter		1						to be non-irritating		2001; Final repor
								to be non minumg		3/2017 available from
										CIF
PPG-23-Steareth-34		1			1	† †	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-24-Buteth-27*		1			Ì	1 1		safe when formulated	:	Final report 3/2017
								to be non-irritating		available from CIF
PPG-24 Butyl Ether*		1		1				safe when formulated		IJT 20(S4):39-52
								to be non-irritating		2001; Final repor
										3/2017 available from
										CIF

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	T	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
ingredient ivalue of Group ivalue	5	SQ	1	L	O	ONS	for S conclusion	other limitation on	or UNS conclusion	
							for 5 conclusion	use for SQ conclusion	or or to conclusion	
PPG-25-Laureth-25		1		Г		1		safe when formulated		Final report 09/201
								to be non- irritating		Available from CI
PPG-26		1						safe when formulated		JACT 13(6):437-91
								to be non- irritating		1994; IJT 31(2
										245-260, 201
PPG-26-Buteth-26		1						safe when formulated		Final report 3/201
								to be non-irritating		available from CI
PPG-26 Butyl Ether*		1						safe when formulated		IJT 20(S4):39-52
								to be non-irritating		2001; Final repo
										3/2017 available from
DDC 20 D + 4 25		1		-	<u> </u>	-		<u> </u>		CI
PPG-28-Buteth-35		1						safe when formulated to be non-irritating		Final report 3/201 available from CI
PPG-2-Buteth-1*		1		-	<u> </u>	+		safe when formulated		Final report 3/201
FFG-2-Butetii-1		1						to be non-irritating		available from CI
PPG-2-Buteth-2*		1		_	 	+ +		safe when formulated		Final report 3/201
11 G-2-Dutetii-2		1						to be non-irritating		available from CI
PPG-2-Buteth-3*		1		_	<u> </u>	+ +		safe when formulated		Final report 3/201
11 G 2 Butchi 5		1						to be non-irritating		available from CI
PPG-2 Butyl Ether		1		-		+ +		safe when formulated		IJT 20(S4):39-52
11 G 2 Butyl Ellici		1						to be non-irritating		2001; Final repo
										3/2017 available from
										CI
PPG-2 C12-13 Pareth-8		1						safe when formulated		Final report 09/201
								to be non- irritating		Available from CI
PPG-2 C12-15 Pareth-6		1					not in current use*	safe when formulated		Final report 09/201
								to be non-irritating		Available from CI
PPG-2 C9-11 Pareth-11		1					not in current use*	safe when formulated		Final report 09/201
								to be non-irritating		Available from CI
PPG-2 C9-11 Pareth-5		1					not in current use*	safe when formulated		Final report 09/201
								to be non-irritating		Available from CI
PPG-2 C9-11 Pareth-7		1					not in current use*	safe when formulated		Final report 09/201
PDG 4 G0 11 P 1 0					ļ	++	- t	to be non-irritating		Available from CI
PPG-2 C9-11 Pareth-8		1					not in current use*	safe when formulated		Final report 09/201
DDG A G					ļ	+		to be non-irritating		Available from CI
PPG-2-Ceteareth-9		1						safe when formulated		Final report 09/201
DDC 4 C + 4 1		1		-	<u> </u>	+		to be non- irritating		Available from CI
PPG-2-Ceteth-1		1					not in current use*	safe when formulated		Final report 09/201 Available from CI
PPG-2-Ceteth-10		1		-	<u> </u>	+ +		to be non-irritating safe when formulated		Final report 09/201
1 1 G-2-CCICIII-10		1						to be non- irritating		Available from CI
PPG-2-Ceteth-20		1	-	 	 	+ +	not in current use*	safe when formulated		Final report 09/201
11 0 2 Colcur-20		1					not in cultent use	to be non-irritating		Available from CI
PPG-2-Ceteth-5		1	-	 		+ +	not in current use*	safe when formulated		Final report 09/201
11 0 2 Colour 5							not in current use	to be non-irritating		Available from CI
PPG-2-Deceth-10		1	l	 	 	+ +	not in current use*	safe when formulated		Final report 09/201
1.0 2 2000m 10							not in carrent use	to be non-irritating		Available from CI

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
		_					for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
PPG-2-Deceth-12		1	l	Т	T			safe when formulated		Final report 09/2013
11 G 2 Deccui 12		1						to be non- irritating		Available from CIR
PPG-2-Deceth-15		1		 		+ +	not in current use*	safe when formulated		Final report 09/2013
110 2 2000		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-20		1				1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Deceth-3		1		 		+ +		safe when formulated		Final report 09/2013
110 2 2000 m 5		•						to be non- irritating		Available from CIR
PPG-2-Deceth-30		1				1 1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Deceth-40		1				1	not in current use*	safe when formulated		Final report 09/2013
11 0 2 2000m 10		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-5		1					not in current use*	safe when formulated		Final report 09/2013
11 d 2 Decem 3		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-50		1				+ +	not in current use*	safe when formulated		Final report 09/2013
11 0 2 2000m 80		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-60		1				1	not in current use*	safe when formulated		Final report 09/2013
11 0 2 2000m 00		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-7		1			+	1	not in current use*	safe when formulated		Final report 09/2013
11 0 2 Decem /		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Deceth-8		1				1 1	not in current use*	safe when formulated		Final report 09/2013
11 0 2 2000m 0		•					not in current use	to be non-irritating		Available from CIR
PPG-2-Isodeceth-10		1				1 1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-12		1				+ +	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-18		1				1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-25		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-4		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-6		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-8		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Isodeceth-9		1				1 1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Laureth-12		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Laureth-5		1				1 1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-Laureth-8		1	İ			1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-2-PEG-11 Hydrogenated Lauryl Alcohol Ether		1					not in current use*	safe when formulated		Final report 09/2013
•								to be non-irritating		Available from CIR

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PPG-3		1						safe when formulated to be non- irritating		IJT 31(2) 245-260 2012
PPG-30		1						safe when formulated to be non- irritating		JACT 13(6):437-91 1994; IJT 31(2) 245-260, 2012
PPG-30-Buteth-30*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-30 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52 2001; Final repor 3/2017 available from CIR
PPG-30 Steareth-4		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-33		1						safe when formulated to be non- irritating		IJT 31(2) 245-260 2012
PPG-33-Buteth-45		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-33 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52 2001; Final repor 3/2017 available from CIR
PPG-34		1						safe when formulated to be non- irritating		JACT 13(6):437-91 1994; IJT 31(2) 245-260, 2012
PPG-34-Steareth-3		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-36-Buteth-36*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-38-Buteth-37		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-38 Steareth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-3-Buteth-5*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-3 Butyl Ether*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-3 C12-14 Sec-Pareth-7		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Isodeceth-1		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Isosteareth-9		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Laureth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Laureth-12		1				† †		safe when formulated to be non- irritating		Final report 09/2013 Available from CIR

	Review Conclusion						Explanation			Journal
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Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
PPG-3-Laureth-8		1						safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-3-Laureth-9		1						safe when formulated		Final report 09/2013
		$oxed{oxed}$						to be non- irritating		Available from CII
PPG-3-Myreth-11		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CII
PPG-3-Myreth-3		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CII
PPG-3-PEG-6 Oleyl Ether		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CII
PPG-40 Butyl Ether		1						safe when formulated		IJT 20(S4):39-52
PPG 40 P - 1 F 1					<u> </u>			to be non- irritating		200
PPG-40 Butyl Ether		1						safe when formulated		Final report 3/201
DDC 4 D 1 4%					<u> </u>	-		to be non-irritating		available from CII
PPG-4-Buteth-4*		1						safe when formulated		Final report 3/201
DDC 4 D + 1 Ed - #					<u> </u>	+		to be non-irritating		available from CII
PPG-4 Butyl Ether*		1						safe when formulated		IJT 20(S4):39-52
								to be non-irritating		2001; Final report 3/2017 available from
										CII
PPG-4 C12-14 Sec-Pareth-5		1		-	-	+		safe when formulated		Final report 09/2013
FFG-4 C12-14 Sec-Faleul-3		1						to be non- irritating		Available from CII
PPG-4 C13-15 Sec-Pareth-15		1		-	-	+		safe when formulated		Final report 09/2013
11 G-4 C13-13 Sec-1 aleul-13		1						to be non- irritating		Available from CII
PPG-4-Ceteareth-12		1			1	+ +		safe when formulated		Final report 09/2013
11 G-4-Ceteareth-12		1						to be non- irritating		Available from CII
PPG-4-Ceteth-1		1			1	+ +		safe when formulated		Final report 09/2013
11 G-4-CCCui-1		1						to be non- irritating		Available from CII
PPG-4-Ceteth-10		1			1	+ +		safe when formulated		Final report 09/2013
110 4 Cetem 10		1						to be non- irritating		Available from CII
PPG-4-Ceteth-20		1			<u> </u>	+ +		safe when formulated		Final report 09/2013
110 . 666 20		1						to be non- irritating		Available from CII
PPG-4-Ceteth-5		1			<u> </u>			safe when formulated		Final report 09/2013
		1						to be non- irritating		Available from CII
PPG-4-Deceth-4		1			<u> </u>	1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-4-Deceth-6		1			<u> </u>	1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-4-Isodeceth-10		1			1	1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-4-Laureth-15		1			1	1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-4-Laureth-2		1				1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII
PPG-4-Laureth-5		1		1		1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CII

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
PPG-4-Laureth-7		1		1	1			safe when formulated		Final report 09/2013
								to be non- irritating		Available from CIR
PPG-4-Tricedeth-6		1				1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CIR
PPG-51		1						safe when formulated		IJT 31(2) 245-260,
								to be non- irritating		2012
PPG-52		1						safe when formulated		IJT 31(2) 245-260,
								to be non- irritating		2012
PPG-52 Butyl Ether		1						safe when formulated		IJT 20(S4):39-52,
								to be non-irritating		2001; Final report
										3/2017 available from
										CIR
PPG-53 Butyl Ether*		1						safe when formulated		IJT 20(S4):39-52,
								to be non-irritating		2001; Final report
										3/2017 available from
										CIR
PPG-5-Buteth-5		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
PPG-5-Buteth-7*		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
PPG-5 Butyl Ether*		1						safe when formulated		IJT 20(S4):39-52,
								to be non-irritating		2001; Final report
										3/2017 available from
										CIR
PPG-5 C12-14 Sec-Pareth-7		1					not in current use*	safe when formulated		Final report 09/2013
					<u> </u>			to be non-irritating		Available from CIR
PPG-5 C12-14 Sec-Pareth-9		1					not in current use*	safe when formulated		Final report 09/2013
					ļ	\perp		to be non-irritating		Available from CIR
PPG-5 C9-15 Pareth-6		1					not in current use*	safe when formulated		Final report 09/2013
					<u> </u>	\bot		to be non-irritating		Available from CIR
PPG-5-Ceteth-20		1						safe when formulated		Final report 09/2013
				<u> </u>	<u> </u>	\bot		to be non- irritating		Available from CIR
PPG-5-Laureth-5		1						safe when formulated		Final report 09/2013
						\bot		to be non- irritating		Available from CIR
PPG-69		1						safe when formulated		IJT 31(2) 245-260,
								to be non- irritating		2012
PPG-6 C12-15 Pareth-12		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR
PPG-6 C12-18 Pareth-11		1					not in current use*	safe when formulated		Final report 09/2013
PPG 4 90 44 P				-	<u> </u>	+		to be non-irritating		Available from CIR
PPG-6 C9-11 Pareth-5		1					not in current use*	safe when formulated		Final report 09/2013
				<u> </u>	<u> </u>	1		to be non-irritating		Available from CIR
PPG-6 Deceth-4		1					not in current use*	safe when formulated		Final report 09/2013
DDG (D		<u> </u>			<u> </u>			to be non-irritating		Available from CIR
PPG-6 Deceth-9		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIR

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
PPG-6-Decyltetradeceth-12		1					not in current use*	safe when formulated		Final report 09/201
•						1 1		to be non-irritating		Available from CII
PPG-6-Decyltetradeceth-20		1						safe when formulated		Final report 09/2013
						1 1		to be non- irritating		Available from CII
PPG-6-Decyltetradeceth-30		1		1				safe when formulated		Final report 09/2013
						1 1		to be non- irritating		Available from CIF
PPG-6-Laureth-3		1					not in current use*	safe when formulated		Final report 09/2013
						1 1		to be non-irritating		Available from CIF
PPG-6 Trideceth-8		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-7		1						safe when formulated		IJT 31(2) 245-260
								to be non- irritating		2012
PPG-7-Buteth-10		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIF
PPG-7-Buteth-4		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIF
PPG-8-Ceteth-1		1						safe when formulated		Final report 09/2013
								to be non- irritating		Available from CIF
PPG-8-Ceteth-10		1						safe when formulated		Final report 09/2013
								to be non- irritating		Available from CIF
PPG-8-Ceteth-2		1					not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-8-Ceteth-20		1				1 1		safe when formulated		Final report 09/2013
								to be non- irritating		Available from CIF
PPG-8-Ceteth-5		1				1 1	not in current use*	safe when formulated		Final report 09/2013
								to be non-irritating		Available from CIF
PPG-8-Deceth-6		1				1 1	not in current use*	safe when formulated		Final report 09/2013
						\bot		to be non-irritating		Available from CIF
PPG-9		1				1 1		safe when formulated		JACT 13(6):437-91
						1 1		to be non- irritating		1994; IJT 31(2
PPC 0 P 1 . 10						+				245-260, 2012
PPG-9-Buteth-12		1				1 1		safe when formulated		Final report 3/2017
DDC 0 D + 1 Ed - *		1				+		to be non-irritating		available from CIF
PPG-9 Butyl Ether*		1				1 1		safe when formulated		IJT 20(S4):39-52 2001; Final repor
						1 1		to be non-irritating		3/2017 available from
						1 1				CIF
PPG-9-Ethylhexeth-5		1		-		+ +	not in current use*	safe when formulated		Final report 09/2013
110 / Eurymeneur J		1					not in cultell use	to be non-irritating		Available from CIF
PPG-9-Steareth-3		1		 	+	+ +	not in current use*	safe when formulated		Final report 09/2013
110 / Steaton 5							not in current use	to be non-irritating		Available from CIF
Propionyl collagen amino acids		1		 	+	+ +	not in current use*	safe for use in cosmetics when		Final report 12/2013
Toplon, Fortagon annino acido							not in carrent use	formulated to be non-irritating		available from CIF
Propylene Glycol		1			_	+ +		50%		JACT 13(6):437-91
10										1994; IJT 31(2
				1		1 1				245-260, 2012

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Propylene Glycol Behenate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIF
Propylene Glycol Butyl Ether*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CII
Propylene Glycol Capreth-4		1					not in current use*	safe for use when formulated to be non-irritating		Final report 09/2013 Available from CII
Propylene Glycol Caprylate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CII
Propylene Glycol Cocoate*		1				1 1		safe when formulated to be non- irritating		Final report 12/2014 available from CII
Propylene Glycol Dicaprate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52 1999; Final repor 12/2014 available
Propylene Glycol Dicaproate		1						safe when formulated to be non- irritating		Final report 12/2014 available from CII
Propylene Glycol Dicaprylate		1						safe when formulated to be non- irritating		IJT 18(S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Dicaprylate/dicaprate		1						safe when formulated to be non-irritating		IJT 18(S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Dicocoate*		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Diethylhexanoate		1						safe when formulated to be non- irritating		Final report 12/2014 available from CII
Propylene Glycol Diisononanoate*		1						safe when formulated to be non- irritating		IJT 30(Suppl 3):228-269, 2011 Final report 12/2014 available from CIF
Propylene Glycol Diisostearate*		1						safe when formulated to be non- irritating		IJT 18(S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Dilaurate*		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Dioleate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52 1999; Final repor 12/2014 available from CIF
Propylene Glycol Dipelargonate		1						safe when formulated to be non- irritating		IJT 18(S2):35-52 1999; Final repor

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										12/2014 availabl from CII
Propylene Glycol Distearate*		1				+ +		safe when formulated		Final report 12/201
								to be non- irritating		available from CII
Propylene Glycol Diundecanoate*		1						safe when formulated		Final report 12/201
								to be non- irritating		available from CII
Propylene Glycol Heptanoate*		1						safe when formulated		Final report 12/201
								to be non- irritating		available from CII
Propylene Glycol Isodeceth-12		1					not in current use*	safe for use when formulated		Final report 09/2013
								to be non-irritating		Available from CII
Propylene Glycol Isodeceth-4		1					not in current use*	safe for use when formulated		Final report 09/2013
								to be non-irritating		Available from CII
Propylene Glycol Isostearate		1						safe when formulated		IJT 18(S2):35-52
								to be non- irritating		1999; Final repor
										12/2014 availabl
						\vdash				from CII
Propylene Glycol Laurate		1						safe when formulated		IJT 18 (S2):35-52
								to be non- irritating		1999; Final repor
										12/2014 availabl from CII
Propylene Glycol Laureth-6		1				+ +	not in current use*			Final report 09/2013
Propyrene Grycor Laureni-o		1					not in current use.			Available from CII
Propylene Glycol Linoleate*		1		_	-	+ +		safe when formulated		Final report 12/2014
Tropyrene Grycor Emoleate		1						to be non- irritating		available from CII
Propylene Glycol Linolenate*		1			 	+ +		safe when formulated		Final report 12/201
Tropytene Grycor Emolenate		1						to be non- irritating		available from CII
Propylene Glycol Myristate		1				1		safe when formulated		IJT 18 (S2):35-52
		_						to be non- irritating		1999; IJ
								8		29(S3):162-186,2010
										Final report 12/2014
										available from CII
Propylene Glycol Oleate		1						safe when formulated		IJT 18 (S2):35-52
								to be non- irritating		1999; Final repor
										12/2014 availabl
						+				from CII
Propylene Glycol Oleate SE (self-emulsifying)*		1						safe when formulated		Final report 12/2014
D 1 01 101 15		1						to be non-irritating		available from CII
Propylene Glycol Oleth-5		1					not in current use*	safe as used when formulated		Final report 09/2013
Dronylana Clysol Soyata*		1		-	-	+ +		to be non-irritating		Available from CII
Propylene Glycol Soyate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CII
Propylene Glycol Stearate		1		-		+ +		safe when formulated		JACT 2 (5):101-124
1 topytone Grycor Stearate		1						to be non- irritating		1983 confirme
								to be non- initiating		09/02 IJ
										24(S1):85-87, 2005
										Final report 12/201
						1 1				available from CII

	Reviev						Explanation			Journal
1	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Propylene Glycol Stearate SE		1						safe when formulated to be non- irritating		JACT 2(5):101-124 1983 confirmed 09/02 IJT 24(S1):85-87, 2005 Final report 12/2014 available from CIR
Propyl Gallate (Amended)		1						0.10%		IJT 26(S3) 2007 JACT 4(3):23-64 1985 (original report)
Propyl Glycolate		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include		IJT 17(S1):1-242 1998
Propylheptyl Caprylate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Pumpkin Seed Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Pumpkin Seed Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Pumpkin Seed Oil Polyglyceryl-4 Esters Succinate*		1						safe when formulated to be non-irritating		Final report 09/2016
PVP/Dimethylaminoethyl Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 2002
Pyromallitic Glycidyl Dimethacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100 2005
Pyrus Malus (Apple) Bark Extract*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Carpel Powder*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fiber*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Flower Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Pyrus Malus (Apple) Fruit		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fruit Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fruit Water		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Juice		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Leaf Extract*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Pectin Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Extract*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Powder		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Wax*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Pulp Extract*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Root Bark Powder*		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Pyrus Malus (Apple) Seed Extract		1						when formulated to be non- irritating and non-sensitizing		Final report 03/2016 available from CIR
Quaternium-15 (amended)		1						safe at concentrations not to exceed 0.2%		JACT 5(3):61-101 1986 (origina report); Amendec safety assessmen 03/09 - Available from CIR; confirmed
Quaternium-18/benzalkonium Bentonite*		1				+		safe as used when formulated		03/2011 Final report 03/2016
Quaternium-26		1						to be non-irritating should not be used in products in which N-nitroso compounds may be formed		available from CIR IJT 19(S1):69-75 2000
Quaternium-90 Bentonite		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Quaternium-90 Montmorillonite		1				1 1		safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Quaternium-90 Sepiolite		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Rapeseed oil PEG-20 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Rapeseed oil PEG-3 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(Spump4):13-39 2014

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Raspberry seed oil PEG-8 esters		1						safe for use in cosmetics when		IJT 33(S4):13-39,
								formulated to be non-irritating		2014
Ricebranamide DEA		1						safe in the present practices of		IJT 32(S1):36-58,
								use and concentration when		2013
						1 1		formulated to be non-irritating		
						1 1		and when the levels of free		
						1 1		DEA do not exceed those		
						1 1		considered safe int the CIR		
						1 1		safety assessment of DEA		
						1 1		and its salts; should not be		
		ļ .		-		1 1		used in cosmetic products		TI 1
Rice Bran Oil Polyglyceryl-3 Esters*		1				1 1		safe when formulated		Final report 09/2016
51.1.1.1.55		ļ ,			1	1 1		to be non-irritating		TTT 00 (04) 0 5 50
Ricinoleamide DEA		1				1 1		safe in the present practices of		IJT 32(S1):36-58,
						1 1		use and concentration when		2013
						1 1		formulated to be non-irritating		
						1 1		and when the levels of free DEA do not exceed those		
						1 1		considered safe int the CIR		
						1 1		safety assessment of DEA		
						1 1		and its salts; should not be		
						1 1		used in cosmetic products		
Ricinoleamide MEA	_	1		 	+	+		safe in the present practices		IJT 34(S1): 18-34,
Kichioleaniae MEA		1				1 1		of use and concentration		2015
						1 1		(rinse-off products only)		2013
						1 1		when formulated to be		
						1 1		non-irritating; should		
						1 1		not be used in cosmetic		
						1 1		products in which N-nitroso		
						1 1		compounds may be formed		
Ricinoleamidopropyl betaine	i	1			İ			safe for use in cosmetics		IJT 31(S1):77-111,
						1 1		when formulated to be		2012
						1 1		non-sensitizing, which		
						1 1		may be based on a		
								quantitative risk assessment		
Ricinoleamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics		Final report 06/2014
						1 1		when formulated to be		available from CIR
						1 1		non-sensitizing, which		
						1 1		may be based on a		
		ļ .				1 1		quantitative risk assessment		
Rosa Canina Bud Extract*		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
Deer Control Elemen		-	<u> </u>	-	-	+		and non-sensitizing		Fig.1 (2/0017
Rosa Canina Flower		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
Deer Coning Flores Fortunat		1	<u> </u>	-	-	+		and non-sensitizing		Ein-1 / 2/2017
Rosa Canina Flower Extract		1						safe when formulated		Final report 3/2017
								to be non-irritating		available from CIR
		1	I	1	1	1 1		and non-sensitizing		

	Reviev						Explanation			Journal
	clusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Rosa Canina Flower Oil*		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Flower Powder*		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Fruit		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Fruit Extract		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Fruit Juice*		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Leaf Extract		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Seed*		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Seed Extract		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Seed Powder		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Rubiginosa Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Rosmarinus officinalis (rosemary) extract		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) flower/leaf/stem extract		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) flower/leaf/stem water		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) flower extract		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) leaf		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) leaf extract		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Rosmarinus officinalis (rosemary) leaf oil		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) leaf powder		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) leaf water		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Rosmarinus officinalis (rosemary) water		1						safe for use in cosmetics when formulated to be non-sensitizing.		Final report 06/14 available from CIR
Safflower seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Safflower Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Salicylic Acid		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-108
Schinziophyton Rautanenii Kernel Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Schinziophyton Rautanenii Kernel Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sclerocarya Birrea Seed Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Sclerocarya Birrea Seed Oil Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sclerocarya Birrea Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sesame Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sesame Seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Sesamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Sesamidopropyl betaine		1						safe for use in cosmetics when formulated to be		IJT 31(S1):77-111, 2012

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								non-sensitizing, which may be based on a quantitative risk assessment		
Sesamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2014 available from CIR
Shea butteramide/castoramide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58. 2013
Shea butteramidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111. 2012
Shea Butter Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Shea Butter Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Shea Butter Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Shellac		1						6%		JACT 5(5):309-327, 1986 confirmed 12/06; IJT 30(S2):73-127, 2011
Silica dimethyl silylate		1						safe when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract		IJT 32(S1):5-24, 2013
Silica silylate		1						safe when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract		IJT 32(S1):5-24, 2013
Sodium/TEA C12-13 Pareth-3 Sulfate		1					not in current use*	safe as used when formulated to be non-irritating. The ingredients should not be used in cosmetic products in which N-nitroso compounds can be found		IJT 32(S1): 59-81, 2013

	Reviev						Explanation			Journal
	Conclusion		-		**	T D 10	**		G C	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Sodium/TEA-lauroyl collagen amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium/TEA-lauroyl keratin amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
·								formulated to be non-irritating		available from CIR
Sodium/TEA-undecylenoyl collagen amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium Acrylates/Acrolein Copolymer		1						safe for use when		IJT 21(S3):1-50,
								formulated to avoid irritation		2002
Sodium Acrylates/C10-30 Alkyl Acrylate Crosspolymer		1				1 1		safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Sodium Acrylates/Vinyl Isodecanoate Crosspolymer		1						safe in the present practices of		Final report 11/2011
• • •								use and concentration when		available from CIR
								not polymerized in benzene		
Sodium Acrylates Copolymer		1						safe for use when		IJT 21(S3):1-50,
								formulated to avoid irritation		2002
Sodium Acrylates Crosspolymer-2		1						safe in the present practices of		Final report 11/2011
								use and concentration when		available from CIR
								not polymerized in benzene		
Sodium Alpha-Olefin Sulfonates (e.g. C12-14 Olefin)		1						safe as used in rinse off		IJT 17(S5):39-66,
, ,								products; safe up to 2% in		1998
								leave ons; the gamma sultone		
								impurities should not exceed		
								10 ppm for unsubstituted		
								alkane sultones, 1 ppm for		
								chlorosultones, and 0.1 ppm		
								for unsaturated sultones		
Sodium Borate		1						5%; but not for use on		JACT 2(7):87-125,
								infant or injured skin		1983 confirmed
										06/03 IJT 25(S2),
										2006
Sodium Bromate		1						10.17%		JACT 13(5):400-14,
										1994
Sodium C10-15 Pareth Sulfate		1						safe when formulated		IJT
								to be non- irritating		29(S3) :151-161,2010
Sodium C12-13 Pareth Sulfate		1						safe when formulated		IJT
								to be non- irritating		29(S3):151-161,2010
Sodium C12-14 Olefin Sulfonate		1						safe as used in rinse off		IJT 17(S5):39-66,
								products; safe up to 2% in		1998
								leave ons; the gamma sultone		
								impurities should not exceed		
								10 ppm for unsubstituted		
								alkane sultones, 1 ppm for		
								chlorosultones, and 0.1 ppm		
								for unsaturated sultones		
Sodium C12-15 Pareth Sulfate		1						safe when formulated		IJT
		1	l					to be non- irritating		29(S3) :151-161,2010

	Review Conclusion						Explanation			Journal
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Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
Sodium C14-16 Olefin Suifonate		1						safe as used in rinse off		IJT 17(S5):39-66
								products; safe up to 2% in		1998
								leave ons; the gamma sultone		
								impurities should not exceed		
								10 ppm for unsubstituted		
								alkane sultones, 1 ppm for		
								chlorosultones, and 0.1 ppm		
								for unsaturated sultones		
Sodium C14-18 Olefin Sulfonate		1						safe as used in rinse off		IJT 17(S5):39-66
								products; safe up to 2% in		1998
								leave ons; the gamma sultone		
								impurities should not exceed		
								10 ppm for unsubstituted		
								alkane sultones, 1 ppm for chlorosultones, and 0.1 ppm		
								for unsaturated sultones		
Sodium C16-18 Olefin Sulfonate		1	-	-	-	+		safe as used in rinse off		IJT 17(S5):39-66
Sodium C10-18 Olemi Sunonate		1								1998
								products; safe up to 2% in leave ons; the gamma sultone		1990
								impurities should not exceed		
								10 ppm for unsubstituted		
								alkane sultones, 1 ppm for		
								chlorosultones, and 0.1 ppm		
								for unsaturated sultones		
Sodium Caproyl Methyltaurate*		1				1		when formulated		Final Report 12/2015
								to be non-irritating		available from CIR
Sodium caproyl prolinate	İ	1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium capryloyl glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium Coceth Sulfate		1						safe in the present practices of		IJT
								use and concentration when		29(S3):151-161,2010
								formulated to be non-irritating		
Sodium cocoyl/hydrogenated tallow glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
sodium cocoyl/palmoyl/sunfloweroyl glutamate	ĺ	1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium Cocoyl Alaninate		1						safe for use in cosmetics		Final report 12/2013
								when formulated		available from CIR
								to be non- irritating		
Sodium Cocoyl Amino acids		1						safe for use in cosmetics when		Final report 12/2013
			L		<u></u>			formulated to be non-irritating		available from CIR
Sodium Cocoyl Apple amino acids		1						safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium Cocoyl barley amino acids		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
Sodium Cocoyl collagen amino acids		1						safe for use in cosmetics when		Final report 12/2013
		I		1	I	1 1		formulated to be non-irritating		available from CIR

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Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium cocoyl glutaminate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium cocoyl glycinate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Cocoyl Isethionate		1						safe in the present practices of use and concentration when formulated to be non-irritating		JACT 12(5):459-79. 1993 reopened 03/09 final report 09/2013 available from CIR
Sodium Cocoyl Oat Amino Acids		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Cocoyl Proline		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Cocoyl Sarcosinate		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14 2001; Final report 09/2016
Sodium Cocoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium cocoyl threoninate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium cocoyl wheat amino acids		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Deceth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Sodium Decylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		JACT 12(3):279-309 1993 (original report); IJT 29 (S4) 288-305, 2010
Sodium Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		JACT 12(3):279-309 1993 (original report); IJT 29 (\$4) 288-305, 2010
Sodium Formate		1								Final report 12/2013 available from CIR
Sodium Glycolate		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include		IJT 17(S1):1-242 1998

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Hexametaphosphate		1						safe when formulated to be non-irritating		IJT 20(S3):75-89 2001; Final report 09/201
Sodium Hydrogenated Cocoyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/201: available from CII
Sodium hydrogenated tallowoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII
Sodium Hydroxide		1						safe in hair straighteners and depilatories under conditions of recommended use: users should minimize skin contact; all other uses safe when formulated to be non-irritating		Final report 12/201: available from CII
Sodium Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/1: available from CII
Sodium Lactate		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for use in cosmetic products at concentrations less than or equal to10%, at final formulation pH greater than or equal to3.5, when formulated to avoid increasing sun sensitivity or when directions for use include		IJT 17(S1):1-242 199
Sodium Laneth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		1J7 29(S3) :151-161,201
Sodium Laureth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJ [*] 29(S3) :151-161,2010
Sodium lauroyl/myristoyl aspartate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII
Sodium lauroyl aspartate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Sodium lauroyl collagen amino acids		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII
Sodium lauroyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII
Sodium Lauroyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/201: available from CII
Sodium Lauroyl Methyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/201: available from CII
Sodium lauroyl millet amino acids		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII
Sodium lauroyl oat amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201: available from CII

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Lauroyl Sarcosinate		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14 2001; Final repor 09/2010
Sodium lauroyl silk amino acids		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Sodium Lauroyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium lauroyl wheat amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CII
Sodium Lauryl Phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CII
Sodium Lauryl Sulfate		1						safe for use in rinse- off products; but 1% for leave-on products		JACT 2(7):127-181 1983 confirmed 06/02 JJ 24(S1):89-98, 200:
Sodium Malate		1						safe for use as pH adjusters; insufficient data to support safety for other uses		IJT 20(S1):47-55 200
Sodium Metaphosphate		1						safe when formulated to be non-irritating		IJT 20(S3):75-89 2001; Final repor 09/2010
Sodium Metasilicate		1					up to 14%	safe for use when formulated to avoid skin irritation		IJT 24(S1):103-117 200:
Sodium Methyl Cocoyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CII
Sodium Methyl Lauroyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyl Myristoyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyl Oleoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2013 available from CII
Sodium Methyl Palmitoyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyl Stearoyl Taurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyltaurate		1						when formulated to be non-irritating		Final Report 12/201: available from CII
Sodium Methyltaurate Isopalmitamide*		1				\dagger		when formulated to be non-irritating		Final Report 12/201: available from CIF
Sodium Methyltaurine Cocoyl Methyltaurate		1				1 1		when formulated to be non-irritating		Final Report 12/201:
Sodium Myreth Sulfate		1						safe in the present practices of use and concentration when		29(S3) :151-161,2010
								formulated to be non-irritating		

	Review Conclusion						Explanation			Journal Citation †
T I A A A A A A A A A A A A A A A A A A					**	TDIG	T.T			Citation
Ingredient Name or Group Name	S	SQ	1	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on	Safety concern for U or UNS conclusion	
							for 5 conclusion	use for SQ conclusion	or or to conclusion	
Sodium myristoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available from CII
Sodium Myristoyl Isethionate		1		-	-	+	not in current use*	safe for use in cosmetics when		Final report 09/201
Soutum Myristoyi iseumonate		1					not in current use.	formulated to be non-irritating		available from CI
Sodium Myristoyl Sarcosinate		1			+	+ +		safe as used when formulated		IJT 20(S1):1-14
Socialii Wyristoyr Sarcosmate		1						to be non-irritating		2001; Final repor
								to be non minumg		09/2010
Sodium Naphthalenesulfonate (amended)		1					below 2%	safe as used in cosmetic		IJT 22(S2):37-44
								formulations intended to		2003
								be applied to skin; but insufficient data to support the		
								safety in cosmetic products		
								which may contact mucous		
								membranes or be ingested.		
Sodium N-isostearoyl Methyltaurate*		1				1 1		when formulated		Final Report 12/2015
								to be non-irritating		available from CIF
Sodium Octoxynol-2 Ethane Sulfonate		1					not in current use*	safe as used in rinse-		IJT 23(S1):59-111
								off products; safe at 5%		2004
								in leave-on products		
Sodium Octoxynol-2 Sulfate		1					not in current use*	safe as used in rinse-		IJT 23(S1):59-111
								off products; safe at 5%		2004
0.110						+		in leave-on products		TTT 00/04) 50 444
Sodium Octoxynol-6 Sulfate		1					not in current use*	safe as used in rinse-		IJT 23(S1):59-111
								off products; safe at 5% in leave-on products		2004
Sodium Oleoyl Isethionate		1				+ +	not in current use*	safe for use in cosmetics when		Final report 09/2013
Socium Olcoyi iscunonate		1					not in current use	formulated to be non-irritating		available from CIF
Sodium Oleoyl Sarcosinate*		1						safe as used when formulated		Final report 09/2016
Source State		1						to be non-irritating		Timar report 05/2010
Sodium Oleth Sulfate		1						safe in the present practices of		IJŢ
								use and concentration when		29(S3):151-161,2010
								formulated to be non-irritating		
Sodium Oleyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when		Final report 09/2013
								formulated to be non-irritating		available from CIF
Sodium olivoyl glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIF
Sodium palmitoyl proline		1						safe for use in cosmetics when		Final report 12/2013
						++		formulated to be non-irritating		available from CIF
Sodium Palmitoyl Sarcosinate		1						safe as used when formulated		Final report 09/2016
Sodium Palm Kerneloyl Isethionate		1		-	-	+	not in current use*	to be non-irritating		Final report 09/2013
Sociam I ann Kemeloyi isemionate		'					not in cultent use."			available from CIF
Sodium palmoyl glutamate		1				1 1		safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIF
Sodium PCA		1						should not be used in cosmetic	<u> </u>	IJT 18(S2):25-34
	1							products in which N-nitroso		1999; Final repor
	1							compounds can be formed		12/2014 available
										from CIF

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium p-Chloro-m-Cresol (amended)		1						up to 0.5%		IJT 25(S1):29-127 2006
Sodium PEG-50 hydrogenated castor oil succinate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 2014
Sodium Persulfate		1						safe as oxidizing agents in hair colorants and lighteners designed for brief, discontinuous use followed by thorough rinsing from hair and skin		IJT 20(S3):7-21 2001
Sodium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Sodium Polyacrylate		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 2002
Sodium Polynaphthalenesulfonate (amended)		1						safe as used in cosmetic formulations intended to be applied to skin (0.3% is max. use concentration reported in skin care products); but insufficient data to support the safety in cosmetic products which may contact mucous membranes or be ingested.		IJT 22(S2):37-44 2003
Sodium Polyphosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Sodium Salicylate		1						safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.		IJT 22(3):1-108 2003
Sodium Silicate		1					up to 35%	safe for use when formulated to avoid skin irritation		IJT 24(S1):103-117 2005
Sodium stearoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIF
Sodium Stearoyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIF
Sodium Sulfate		1						safe as used when formulated to be non-irritating		IJT 19(S1):77-87 2000; Final repor 06/2016
Sodium Taurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIF
Sodium Taurine Cocoyl Methyltaurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIF
Sodium Thioglycolate		1						safe for use in hair straighteners permanent waves, tonics, dressings,		IJT 28(S3):68-133 2009

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								and so forth, wave sets,		
								other noncoloring hair		
								products, and hair dyes and colors, at concentrations		
								up to 15.2%; hairdressers		
								should avoid skin contact		
								and minimize consumer skin		
odium Tridecylbenzenesulfonate		1		 		1		safe as cosmetic ingredients		IJT 29(S4):288-30
•								in the present practices of		201
								use and concentration when		
								formulated to be non-irritating		
Sodium Trimetaphosphate		1						safe for use when formulated		IJT 20(S3):75-89
								to avoid skin irritation		200
Sodium Trimetaphosphate*		1						safe when formulated		Final report 09/201
								to be non-irritating		
Sodium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/201
								formulated to be non-irritating		available from CI
Sorbeth-12 hexacocoate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-150 hexastearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-160 tristearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2/oleate/dimer dilinoleate crosspolymer*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-20 beeswax		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-20 pentaisostearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-20 tetraisostearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2 beeswax*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2 cocoate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2 hexacaprylate/caprate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2 hexaisostearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-2 hexalaurate*		1						safe as used when formulated		Final report 06/201
				└		$\downarrow \longrightarrow$		to be non-irritating		available from CI
Sorbeth-2 hexaoleate*		1						safe as used when formulated		Final report 06/201
			ļ	<u> </u>	<u> </u>	$\downarrow \downarrow \downarrow$		to be non-irritating		available from CI
Sorbeth-30 pentaisostearate*		1						safe as used when formulated		Final report 06/201
			ļ	<u> </u>	<u> </u>	$\downarrow \downarrow \downarrow$		to be non-irritating		available from CI
Sorbeth-30 tetraisostearate		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI

	Review						Explanation			Journal
	clusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sorbeth-30 tetraoleate	1	T 1		1	1	1 1		safe as used when formulated		Final report 06/201
50 tetraolette		1						to be non-irritating		available from CII
Sorbeth-30 tetraoleate laurate (PEG-30 sorbitol tetraoleate	 	1				1		safe as used when formulated		Final report 06/201
aurate)*								to be non-irritating		available from CI
Sorbeth-3 isostearate*		1				1		safe as used when formulated		Final report 06/201
								to be non-irritating		available from CI
Sorbeth-3 tristearate*		1			1	1 1		safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-40 hexaoleate (PEG-40 sorbitol hexaoleate)*		1						safe as used when formulated		Final report 06/201
,								to be non-irritating		available from CII
Sorbeth-40 pentaisostearate*		1			i i			safe as used when formulated		Final report 06/201
•								to be non-irritating		available from CII
Sorbeth-40 pentaoleate*		1			İ			safe as used when formulated		Final report 06/201
•								to be non-irritating		available from CII
Sorbeth-40 tetraisostearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-40 tetraoleate		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-450 tristearate*		1						safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-4 tetraoleate		1			1			safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-50 hexaoleate (PEG-50 sorbitol hexaoleate)*		1				1 1		safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-50 pentaisostearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-50 tetraisostearate*		1			1			safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-60 tetraoleate		1						safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-60 tetrastearate (PEG-60 sorbitol tetrastearate)*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-6 beeswax		1						safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-6 hexastearate*		1						safe as used when formulated		Final report 06/201
								to be non-irritating		available from CII
Sorbeth-6 laurate*		1						safe as used when formulated		Final report 06/201:
								to be non-irritating		available from CII
Sorbeth-6 tetraoleate	_	1				T T		safe as used when formulated		Final report 06/201
					ļ			to be non-irritating		available from CII
Sorbeth-8 beeswax*		1				I = I		safe as used when formulated		Final report 06/201:
	<u> </u>				ļ			to be non-irritating		available from CII
Soyamide DEA		1				1 7		safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		201
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	т	7	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
Highedient Name of Group Name	ა	SQ	1	Z	U	UNS			or UNS conclusion	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Soyamidopropyl betaine		1						safe for use in cosmetics		IJT 31(S1):77-111
								when formulated to be		201
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Soyamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics		Final report 06/2014
								when formulated to be		available from CII
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Soybean oil PEG-20 ester		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Soybean Oil PEG-36 Esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Soybean Oil PEG-8 Esters		1						safe for use in cosmetics when		IJT 33(S4):13-39
								formulated to be non-irritating		2014
Soybean Oil Polyglyceryl-6 Esters*		1						safe when formulated		Final report 09/2010
								to be non-irritating		
Soybean Oil Propylene Glycol Esters*		1						safe when formulated		Final report 12/2014
								to be non-irritating		available from CII
Soytrimonium chloride		1						safe when formulated		IJT 31(S3): 296-34
								to be non- irritating		(2012
Stearalkonium Bentonite		1						safe as used when formulated		Final report 03/2010
								to be non-irritating		available from CII
Stearamide DEA		1						safe in the present practices of		IJT 32(S1):36-58
								use and concentration when		2013
								formulated to be non-irritating		
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Stearamide MEA		1						safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		201:
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
					<u></u>			compounds may be formed		
Stearamidopropyl Betaine		1						safe for use in cosmetics		IJT 31(S1):77-111
								when formulated to be		2012
	1	1	1	1				non-sensitizing, which		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								may be based on a		
								quantitative risk assessment		
Stearamidopropyl Dimethylamine		1						safe for use in cosmetics		Final report 06/2014
								when formulated to be		available from CIF
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Stearamine Oxide		1						safe for use in rinse-		JACT 13(5):231-45
								off products; but 5%		1994 confirmed
								for leave-on products		09/09; IJ7
										30(S2):73-127, 2011
Steareth-1		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-10		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-100		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-10 Allyl Ether/Acrylates Copolymer		1			Ì			safe for use when		IJT 21(S3):1-50
								formulated to avoid irritation		2002
Steareth-11		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-13		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-14		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-15		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-16		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-2		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-20		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Steareth-200		1			1			safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
					1			to be non- irritating		

	Review						Explanation	Journal
	Conclusion					****	***	Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS		ety concern for U UNS conclusion
Steareth-25		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012
							to be non- irritating	` '
Steareth-27		1			ĺ		safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-3		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-30		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-4		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-40		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-5		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-50		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
							to be non- irritating	
Steareth-60 Cetyl Ether		1					safe for use in cosmetics when	IJT 31(S2):169-244
							formulated to be non-irritating	(2012)
Steareth-7		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
-						\perp	to be non- irritating	
Steareth-8		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
-		<u></u>				\longrightarrow	to be non- irritating	
Steareth-80		1					safe for use in cosmetics	IJT 31(S2):169-244
							when formulated	(2012)
0. 1. 1. 1.					<u> </u>	++	to be non- irritating	HT 21/02\ 207 241
Stearoxypropyltrimonium chloride		1					safe when formulated	IJT 31(S3): 296-341
0. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					<u> </u>	++	to be non- irritating	(2012)
Stearoyl ethyltrimonium methosulfate		1					safe when formulated	IJT 31(S3): 296-341
						+	to be non-irritating	(2012)
Stearoyl glutamic acid		1					not in current use* safe for use in cosmetics when	Final report 12/2013
					ļ	+	formulated to be non-irritating	available from CIR
Stearoyl leucine		1					not in current use* safe for use in cosmetics when	Final report 12/2013
0. 10				<u> </u>	<u> </u>	+	formulated to be non-irritating	available from CIR
Stearoyl Sarcosine		1					safe as used when formulated	IJT 20(S1):1-14,
							to be non-irritating	2001; Final report
C		<u> </u>		<u> </u>	<u> </u>	++	0 1 0 1 1	09/2016
Steartrimonium Bromide		1					safe when formulated	IJT 31(S3): 296-341
							to be non- irritating	(2012)

Quick Reference Table	Review Conclusion						Explanation			Journal Citation to
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation †
Steartrimonium Chloride		1						up to 0.25% for leave- on products (no rinse- off uses reported)		IJT 16(S3):195-220 1997; IJT 31(S3) 296-341 (2012
Steartrimonium methosulfate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-34 (2012
Stearyl/Lauryl Methacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/201 available from CII
Stearyl Beeswax		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201: available from CII
Stearyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146 2012; final repor 03/2013 availabl from CII
Stearyl betaine		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201- available from CII
Stearyl Caprylate		1					0.1 to 1%	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146 2012; final repor 03/2013 availabl from CII
Stearyl Erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201: available from CII
Stearyl Ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/201: available from CII
Stearyl Heptanoate (amended)		1					0.07 to 8%			JACT 14(6):497-510 1995; IJT 31(S2) 141-146, 2012 final report 03/201: available from CII
Stearyl Linoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/201: available from CII
Stearyl Olivate		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146 2012; final repor 03/2013 availabl from CII
Stearyl Palmitate		1					up to 3%	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146 2012; final repor 03/2013 availabl from CII
Stearyl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CII
Stearyl Stearate		1					0.02 to 4%	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146 2012; final repor 03/2013 availabl from CII
Styrene/Acrylates/Ammonium Methacrylate Copolyme	er	1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200:

	Review						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sunfloweramide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic		IJT 34(S1): 18-34, 2015
Sunflowerseedamidopropyl dimethylamine		1					not in current use*	products in which N-nitroso compounds may be formed safe for use in cosmetics		Final report 06/2014
								when formulated to be non- sensitizing, which may be based on a quantitative risk assessment (QRA)		available from CIR
Sunflower seed oil PEG-32 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Sunflower seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Sunflower Seed Oil Polyglyceryl 10 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sunflower Seed Oil Polyglyceryl 3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sunflower Seed Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sunflower Seed Oil Polyglyceryl-5 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sunflower Seed Oil Polyglyceryl 6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sweet almond oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Sweet Almond Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Sweet Almond Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Tallamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58, 2013
Tallamidopropyl Dimethylamine		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/2014 available from CIR

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Citation
Tallowamide DEA		1 1	1	1	Τ	1 1		safe in the present practices of		IJT 32(S1):36-58
Tanowaniae BEAT		1 1						use and concentration when		201
								formulated to be non-irritating		201
								and when the levels of free		
								DEA do not exceed those		
								considered safe int the CIR		
								safety assessment of DEA		
								and its salts; should not be		
								used in cosmetic products		
Tallowamide MEA		1						safe in the present practices		IJT 34(S1): 18-34
								of use and concentration		2015
								(rinse-off products only)		
								when formulated to be		
								non-irritating; should		
								not be used in cosmetic		
								products in which N-nitroso		
								compounds may be formed		
Tallowamidopropyl betaine		1						safe for use in cosmetics		IJT 31(S1):77-111
								when formulated to be		2012
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Tallowamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics		Final report 06/2014
								when formulated to be		available from CIR
								non-sensitizing, which		
								may be based on a		
								quantitative risk assessment		
Tallow Betaine		1					not in current use*	safe for use in cosmetics when		Final report 03/2014
								formulated to be non-irritating		available from CIR
Talloweth-18		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Talloweth-4		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Talloweth-5		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
		ļ						to be non- irritating		
Talloweth-6		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
		<u> </u>	ļ	<u> </u>	ļ	\bot		to be non- irritating		
Talloweth-7		1						safe for use in cosmetics		IJT 31(S2):169-244
								when formulated		(2012)
								to be non- irritating		
Tallowtrimonium chloride		1								IJT 31(S3): 296-341
		<u> </u>	<u> </u>	<u> </u>	<u> </u>	$\downarrow \qquad \downarrow$				(2012)
TBHQ (originally t-Butyl Hydroquinone) (Amended)		1						safe up to 0.1%		JACT 10(1):1-7
	I	l	l	I		1 1				1991 JAC

-	Reviev	v				-	Explanation			Journal
	Conclusion						2			Citation †
Ingredient Name or Group Name	S	SQ		Z	U	UNS	Use concentration	Concentration or	Safety concern for U	Citation
highedient Name of Oroup Name	S	SQ	1	L	U	UNS			or UNS conclusion	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
										5(5):329-51, 1986
						\vdash				(Original report)
t-Butyl Hydroquinone (now TBHQ) (Amended)		1						0.1%		JACT 10(1):1-7,
										1991 JACT 5(5):329-51, 1986
										(Original report)
t-Butyl Methacrylate		1		-	-	+		safe in nail enhancement		IJT 24(S5):53-100,
t-Butyl Methaciylate		1						products when skin contact is		2005
								avoided; products containing		2003
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
TEA-C10-15 Alkyl Sulfate		1			1		not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-C11-15 Alkyl Sulfate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-C11-15 Pareth Sulfate	-	1		 	+	+ +	not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
12.1 C11 10 I alcai Saliate		•					not in current use	to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
					<u> </u>			products in which N-nitr		
TEA-C12-13 Alkyl Sulfate		1				1 7	not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
					1			exceed the present practices		

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Crution ₁
								of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		
TEA-C12-13 Pareth-3 Sulfate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81, 2013
TEA-C12-14 Alkyl Sulfate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81, 2013
TEA-C12-15 Alkyl Sulfate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81, 2013
TEA-Canolate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81, 2013
TEA-Cocoate		1						safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not		IJT 32(S1): 59-81, 2013

	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	·
								exceed the present practices of use and concentration of diethanolamine itself. The ingredients should		
TEA-Coco-Sulfate		1				\sqcup	not in current use*	not be used in cosmetic products in which N-nitr safe as used when formulated		IJT 32(S1): 59-81
TEA Coco Sunac		•					not in current use	to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		2013
TEA-cocoyl alaninate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIF
TEA-cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIF
TEA-cocoyl glutaminate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIF
TEA-Dodecylbenzenesulfonate (amended)		1					up to 5%			JACT 12(3):279-309 1993 (origina report); IJT 29 (S4 288-305, 2010
TEA-Glyceryl Dimaleate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81 2013
TEA-Hydrochloride		1						safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		IJT 32(S1): 59-81 2013
TEA-Hydrogenated Cocoate		1					not in current use*	safe as used when formulated to be non-irritating and when the levels of free		IJT 32(S1): 59-81 2013

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								diethanolamine do not		
						1 1		exceed the present practices		
						1 1		of use and concentration		
						1 1		of diethanolamine itself.		
						1 1		The ingredients should		
						1 1		not be used in cosmetic		
								products in which N-nitr		
TEA-hydrogenated tallowoyl glutamate		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
						1 1		formulated to be non-irritating		available from CIR
TEA-Isostearate		1						safe as used when formulated		IJT 32(S1): 59-81,
						1 1		to be non-irritating and		2013
						1 1		when the levels of free		
						1 1		diethanolamine do not		
						1 1		exceed the present practices		
						1 1		of use and concentration		
						1 1		of diethanolamine itself.		
						1 1		The ingredients should		
						1 1		not be used in cosmetic		
								products in which N-nitr		
TEA-Lactate		1				1 1		when used as an AHA		IJT 17(S1):1-242,
						1 1		ingredient, safe for use at		1998; IJT 32(S1):
						1 1		concentrations less than		59-81, 2013
						1 1		or equal to 10%, at final		
						1 1		formulation pH greater		
						1 1		than or equal to 3.5, when formulated to avoid increasing		
						1 1		sun sensitivity or when		
						1 1		directions for use include the		
						1 1		daily use of sun protection.		
						1 1		These ingredients are safe for		
TEA-Laurate		1			+	+ +		safe as used when formulated		IJT 32(S1): 59-81,
1211 Zuuriut		1				1 1		to be non-irritating and		2013
						1 1		when the levels of free		
						1 1		diethanolamine do not		
						1 1		exceed the present practices		
						1 1		of use and concentration		
						1 1		of diethanolamine itself.		
						1 1		The ingredients should		
						1 1		not be used in cosmetic		
								products in which N-nitr		
TEA-Laurate/Myristate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
						1 1		to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
		1		1	1	1 1		The ingredients should		

	Reviev						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								not be used in cosmetic		
								products in which N-nitr		
TEA-Laureth Sulfate		1						safe as used when formulated		IJT 32(S1): 59-81.
								to be non- irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-lauroyl/myristoyl aspartate*		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
								formulated to be non-irritating		available from CIR
TEA-lauroyl collagen amino acids		1						safe for use in cosmetics when		Final report 12/2013
						\perp		formulated to be non-irritating		available from CIR
TEA-lauroyl glutamate		1						safe for use in cosmetics when		Final report 12/2013
						$\downarrow \downarrow \downarrow$		formulated to be non-irritating		available from CIR
TEA-lauroyl keratin amino acids*		1					not in current use*	safe for use in cosmetics when		Final report 12/2013
						\perp		formulated to be non-irritating		available from CIR
EA-Lauryl Sulfate		1						safe up to 10.5%		JACT 1 (4):143-67,
										1982; IJT 32(S1):
		<u></u>				\longrightarrow				59-81, 2013
TEA-Myristate		1						safe as used when formulated		IJT 32(S1): 59-81.
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-Oleate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81.
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-Oleyl Sulfate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81.
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
		l	1	1		1 1		of use and concentration		

	Reviev Conclusion						Explanation			Journal
					**	TDIG	**		G C XX	Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-Palmitate		1						safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-PEG-3 Cocamide Sulfate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA-Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
mp g t					_			daily use of sun protection.		TTT 00 (04) 50 04
TEA Sorbate		1						safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
TEA Stearate		1		_	_	+ +		safe for use in rinse-off		JACT 14(3): 240-8,
112/1 Stediate		1						products; but 15% in leave-		1995; IJT 32(S1):
								on products; and should not be		59-81, 2013
								used with N-nitrosating agents		37-01, 2013
TEA Sulfate	+	1	-	 	\vdash	+ +		safe as used when formulated		IJT 32(S1): 59-81,
1121 Junaic		1						to be non-irritating and		2013
								when the levels of free		2013

	Review						Explanation			Journal
	Conclusion									Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U	
							for S conclusion	other limitation on	or UNS conclusion	
								use for SQ conclusion		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
EA-Tallate		1						safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
								products in which N-nitr		
EA-Tridecylbenzenesulfonate (amended)		1						safe for use in cosmetics when		IJT 29 (S4) 288-305,
								formulated to be non-irritating		2010
EA-Undecylenate		1					not in current use*	safe as used when formulated		IJT 32(S1): 59-81,
								to be non-irritating and		2013
								when the levels of free		
								diethanolamine do not		
								exceed the present practices		
								of use and concentration		
								of diethanolamine itself.		
								The ingredients should		
								not be used in cosmetic		
atmode avilai a avil Ctanmata		1		-	1	+ +	not in ourment work	products in which N-nitr		Final report 03/2013
etradecyleicosyl Stearate		1					not in current use*	safe for use in cosmetics when		available from CIR
S. 6		1		-	-	+ +	*	formulated to be non-irritating		
Tetradecyloctadecyl Behenate		1					not in current use*	safe for use in cosmetics when		Final report 03/2013
2		1		-	-	-		formulated to be non-irritating		available from CIR
Tetradecyloctadecyl Hexyldecanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Cetradecyloctadecyl Myristate		1		-	-	+	not in ourment work			IJT
etradecyloctadecyl Myristate		1					not in current use*	safe for use in cosmetics when		
								formulated to be non-irritating		29(S3):162-186,2010;
										final report 03/2013 available from CIR
Cetradecyloctadecyl Stearate		1		-	+	+ +		safe for use in cosmetics when		Final report 03/2013
tetradecyfoctadecyf Stearate		1						formulated to be non-irritating		available from CIR
Tetradecylpropionates		1	-	-	+	+	not in current use*	safe for use in cosmetics when		Final report 03/2013
etradecyrpropromates		1					not in current use	formulated to be non-irritating		available from CIR
Cetrahydrofurfuryl Methacrylate		1	 	+	+	+		safe in nail enhancement		IJT 24(S5):53-100,
en anyurorurruryi Memacryiate		1								2005
								products when skin contact is avoided; products should be		2005
								accompanied with directions		
								to avoid skin contact		
	I	I	I	1	1	1 1		to avoid skill contact		

	Reviev			Explanation								
Conc	lusion	****			Citation †							
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration Concentration or Safety concern for S conclusion other limitation on use for SQ conclusion					
							because of the sensitizing potential of methacrylates					
Tetrapotassium Etidronate		1		_		+ +	safe when formulated	Final report 3/201				
Tetrapotassium Endronate		1					to be non-irritating	available from CII				
Tetrapotassium Pyrophosphate		1				1	safe when formulated	Final report 09/201				
1 on apottassium 1 yropinospitute		1					to be non-irritating	Tima report 05/201				
Fetrasodium Etidronate		1					safe when formulated	Final report 3/201				
							to be non-irritating	available from CII				
Tetrasodium Pyrophosphate		1					safe when formulated	Final report 09/201				
J . F F							to be non-irritating					
Theobroma Grandiflorum Seed Butter Polyglyceryl-6 Esters*		1					safe when formulated	Final report 09/2016				
, , , , , , , , , , , , , , , , , , ,							to be non-irritating					
Thiodipropionic Acid (amended)		1					safe for use in cosmetic	IJT 29 (S3): 137-150				
							formulations when formulated	2010				
							to be non-irritating					
Thioglycolic Acid (amended)		1					safe for use in hair	JACT 10(1):135-92				
							straighteners permanent	1991 (origina				
							waves, tonics, dressings,	report); IJ7				
							and so forth, wave sets,	28(S3):68-133, 2009				
							other noncoloring hair					
							products, and hair dyes and					
							colors, at concentrations					
							up to 15.2%; hairdressers					
							should avoid skin contact					
							and minimize consumer skin					
Thymol (amended)		1					up to 0.5%	IJT 25(S1):29-127				
								2006				
Tricalcium Phosphate		1					safe when formulated	Final report 09/2016				
TD: 11/ 1: 11/: . *						-	to be non-irritating	F: 1				
Tricaprylyl/capryl trimellitate*		1					safe when formulated	Final report 09/2015				
77 1 1 1 .		1		-		1	to be non-irritating	available from CIR				
Tricetyl phosphate		1					not in current use* safe for use in cosmetics when	Final report 09/2014 available from CIR				
Trichilia Emetica Seed Oil Polyglyceryl-6 Esters*		1		-		+ +	formulated to be non-irritating					
Trichina Emetica Seed Oli Polyglyceryi-o Esters*		1					safe when formulated to be non-irritating	Final report 09/2016				
Trideceth-10		1					safe for cosmetics	IJT 31(S2):169-244				
Tridecetii-10		1					when formulated	(2012)				
							to be non- irritating	(2012)				
Trideceth-12		1					safe for cosmetics	IJT 31(S2):169-244				
11100001112		'					when formulated	(2012)				
							to be non- irritating	(2012)				
Trideceth-15		1		_		+ +	safe for cosmetics	IJT 31(S2):169-244				
							when formulated	(2012)				
							to be non- irritating	(2012)				
Trideceth-18		1	 			1	safe for cosmetics	IJT 31(S2):169-244				
							when formulated	(2012)				
							to be non- irritating	(=,				

	Review Conclusion				Explanation								
I I AN C N					T T	TINIC	TT			Citation †			
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration	Concentration or	Safety concern for U				
							for S conclusion	other limitation on	or UNS conclusion				
								use for SQ conclusion					
Trideceth-2		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-20		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-21		1			1			safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-2 carboxamide MEA		1						safe in the present practices		IJT 34(S1): 18-34.			
								of use and concentration		2015			
								(rinse-off products only)					
								when formulated to be					
								non-irritating; should					
								not be used in cosmetic					
								products in which N-nitroso					
								compounds may be formed					
Trideceth-3		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
rideceth-4		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-5		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-50		1			1			safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-6		1						safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-7		1			İ			safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Trideceth-8		1				1		safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating		, , ,			
Trideceth-9		1			1			safe for cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Tridecyl Behenate		1			1	1 1	not in current use*	safe for use in cosmetics when		Final report 03/2013			
•								formulated to be non-irritating		available from CIR			
Tridecyl Cocoate (amended)		1		<u> </u>	<u> </u>	 	not in current use*	safe for use in cosmetics when		IJT 30(S1):5S-16S:			
•		1						formulated to be non-irritating		Final report 06/13			
								6		available from CIR			
Tridecyl Erucate		1	<u> </u>	\vdash	<u> </u>	† †		safe for use in cosmetics when		Final report 03/2013			
		1 1	I	1	1	1 1		formulated to be non-irritating		available from CIR			

	Reviev						Explanation			Journal
	Conclusion	****								Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Tridecyl Ethylhexanoate		1 1	1	<u> </u>				safe for use in cosmetics when		Final report 03/2013
Trideej i Zurj menunoute								formulated to be non-irritating		available from CIF
Tridecyl Isononanoate		1				1	9%	safe for use in cosmetics when		Final report 03/2013
,								formulated to be non-irritating		available from CIR
Tridecyl Laurate		1				+ +	not in current use*	safe for use in cosmetics when		Final report 03/2013
Tridee y Laurute		1					not in current use	formulated to be non-irritating		available from CIF
Tridecyl Myristate		1				+ +	not in use at the time*	safe for use in cosmetics when		IJ7
		1					not in use at the time	formulated to be non-irritating		29(S3) :162-186,2010 Final report 03/2013 available from CIR
Tridecyl Neopentanoate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
Tridecyl Salicylate		1						safe when formulated to		IJT 22(3):1-108
								avoid irritation and to avoid		
								increasing sun sensitivity,		
								or when increased sun		
								sensitivity would be expected,		
								directions for use include the		
								daily use of sun protection.		
ridecyl Stearate		1						safe for use in cosmetics when		Final report 03/2013
								formulated to be non-irritating		available from CIR
ridecyl Trimellitate		1						safe when formulated		Final report 09/2015
·								to be non-irritating		available from CIR
Triethanolamine		1						safe for use in rinse-off		JACT 2(7):183-235
								products; but 5% in leave-		1983; IJT 32(S1)
								on cosmetic products;		59-81, 2013
								and should not be used		
								in products containing		
								N-nitrosating agents		
Triethylene Glycol Dimethacrylate		1				1 1		safe in nail enhancement		IJT 24(S5):53-100
								products when skin contact is		2005
								avoided; products containing		
								this ingredient should be		
								accompanied with directions		
								to avoid skin contact		
								because of the sensitizing		
								potential of methacrylates		
Triethylhexyl Trimellitate		1						safe when formulated		Final report 09/2015
								to be non-irritating		available from CIR
Trifluoropropyldimethyl/trimethylsiloxysilicate		1						safe when formulated		IJT 31(S1):5-24
								and delivered in the		(2013)
	1							final product not to be		
	1							irritating or sensitizing		
								to the respiratory tract		
Triisodecyl Trimellitate		1						safe when formulated		Final report 09/2015
			<u> </u>					to be non-irritating		available from CIR
Triisopropanolamine		1						safe for use in cosmetic		JACT 6(1):53-76
	1	1		1	1	1 1		products; but should not be		1987 confirmed

	Review			Explanation									
	Conclusion	****								Citation †			
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion				
								used in products containing		12/04 IJT 25(S2)			
				-		++		N-nitrosating agents		200			
riisostearoyl Polyglyceryl-3 Dimer Dilinoleate		1						safe when formulated to be non-irritating		Final report 09/2010			
Priisotridecyl trimellitate		1						safe when formulated		Final report 09/201:			
•								to be non-irritating		available from CII			
rilauryl phosphate		1					not in current use*			Final report 09/2014 available from CIF			
Frimagnesium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2010			
Frimethylolpropane Trimethacrylate		1		 	_	+ +		safe in nail enhancement		IJT 24(S5):53-100			
Time and to the first of the fi		•						products when skin contact is		2005			
								avoided; products containing					
								this ingredient should be					
								accompanied with directions					
								to avoid skin contact					
								because of the sensitizing					
								potential of methacrylates					
rimethylsiloxysilicate		1						safe when formulated		IJT 31(S1):5-24			
								and delivered in the		(2013)			
								final product not to be					
								irritating or sensitizing					
								to the respiratory tract					
rioleyl phosphate		1						safe for use in cosmetics when		Final report 09/2014			
								formulated to be non-irritating		available from CIF			
risodium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016			
ristearyl phosphate		1		_		+ +	not in current use*	safe for use in cosmetics when		Final report 09/2014			
risteary i phospitate		1					not in current use	formulated to be non-irritating		available from CIF			
Indeceth-11		1		_	_	+ +		safe for use in cosmetics		IJT 31(S2):169-244			
nucceni-11		1						when formulated		(2012)			
								to be non- irritating		(2012)			
Indeceth-3		1			1	1		safe for use in cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Indeceth-40		1						safe for use in cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Indeceth-5		1						safe for use in cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Indeceth-7		1						safe for use in cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
								to be non- irritating					
Jndeceth-8		1						safe for use in cosmetics		IJT 31(S2):169-244			
								when formulated		(2012)			
			1	1				to be non- irritating					

Quiek Reference Tuoie	Review Conclusion						Explanation			Journal Citation †
Ingredient Name or Group Name	S	SQ	I	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Undeceth-9		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undecylenamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		Final amended report 09/11 available from CIR
Undecylenamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34, 2015
Undecylenamidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111, 2012
Undecyleneth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undecylenoyl Collagen Amino Acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available for CIR
Undecylenoyl Glycine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available for CIR
Undecylenoyl Phenylalanine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available for CIR
Undecylenoyl Wheat Amino Acids*		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available for CIR
Undecyl glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Urethane Methacrylate		1						safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		IJT 24(S5):53-100, 2005
VA/Butyl Maleate/Isobornyl Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002

	Reviev				Explanation							
Cone	clusion	1****								Citation †		
Ingredient Name or Group Name	S	SQ	Ι	Z	U	UNS	Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion			
Vinyl Caprolactam/PVP/ Dimethylaminoethyl Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50 200		
Watermelon seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201		
Watermelon Seed Oil Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/201		
Watermelon Seed Oil Polyglyceryl-6 Esters *		1						safe when formulated to be non-irritating		Final report 09/201		
Wheat germamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free DEA do not exceed those considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		IJT 32(S1):36-58 201		
Wheat germamidopropyl betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111 201		
Wheat germamidopropyl dimethylamine		1					not in current use*	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		Final report 06/201 available from CII		
Wheat Germ Oil PEG-40 Butyloctanol Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201		
Wheat Germ Oil PEG-8 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39 201		
Ximenia Americana Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/201		
Zinc Coceth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		29(S3) :151-161,201		
Zinc lauroyl aspartate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/201 available for CI		

[†] Please consider the most recent findings only. Previous citations are only offered for reference purposes.

^{*} Were the ingredient to be used in the future, the expectation is that it would be used at concentrations comparable to others in the group.

^{**} Safety as a hair dye ingredient was reaffirmed in 2004; but the Panel noted that the use of p-Phenylenediamine with henna (so-called dark henna) for temporary tattoos is unapproved by FDA. p-Phenylenediamine is a known sensitizer, highly inappropriate for such use as evidenced by reports of severe adverse skin reactions to dark henna temporary tattoos.

^{***} in addition, "red" panax ginseng root extract and "white" panax ginseng root extract are reported to be used, within the given concentration range, but they are not separately listed as cosmetic ingredients

^{****} S - safe in the present practices of use and concentration SQ - safe for use in cosmetics, with qualifications I - the available data are insufficient to support safety Z - the available data are insufficient to support safety. But the ingredient is not in current use U - the ingredient is unsafe for use in cosmetics UNS - ingredients for which the data are insufficient and their use in cosmetics is not supported. Note: the number given is the number of ingredients in the given category in that row