

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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 amines or amides can result in the formation of nitrosamines or nitrosamides		JACT 3(3):139-55, 1984 (Addendum) JEPT 4(4):47-61, 1980 (Original report) confirmed 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)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 in which N-nitroso compounds may be formed		
Acetyl arginine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl Carnitine		1						safe when formulated to be non- irritating		IJT 31(S3):296-341, 2012
Acetyl Carnitine HCl		1						safe when formulated to be non- irritating		IJT 31(S3):296-341, 2012
Acetyl Cysteine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl 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
Acetyl Glutamine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl Histidine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl Methionine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl Proline		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Acetyl Tyrosine		1						safe for use for cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Achillea Millefolium Extract		1						safe for use when formulated to be non-sensitizing		IJT 20(S2):79-84, 2001; final report 12/2013 available from CIR
Achillea Millefolium Flower/Leaf/Stem Extract		1						safe for use when formulated to be non-sensitizing		Final report 12/2013 available from CIR
Achillea Millefolium Flower Extract		1						safe for use when formulated to be non-sensitizing		Final report 12/2013 available from CIR
Acid Orange 3		1						0.2% in hair dyes		IJT 19 (S1):1-9, 2000
Acrylamide/Ethyltrimonium Chloride* Acrylate/Ethalkonium Chloride Acrylate Copolymer		1						safe in the present practices of use and concentration, when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Acrylamidopropyl Trimonium Chloride/Acrylamide Copolymer*		1						safe in the present practices of use and concentration, when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Acrylamidopropyl-Trimonium Chloride/Acrylates Copolymer		1						safe in the present practices of use and concentration, when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Acrylates/Ammonium Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/C12-13 Alkyl Methacrylates/Methoxyethyl Acrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Acrylates/Ethylhexyl Acrylate/Glycidyl Methacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Acrylates/Ethylhexyl Acrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Acrylates/Hydroxyesters Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/PEG-4 Dimethacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Acrylates/PVP Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/Steareth-20 Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/Steareth-20 Methacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Acrylates/Steareth-50 Acrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/VA Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates/Vinyl Isodecanoate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Acrylates/Vinyl Neodecanoate Crosspolymer		1								Final report 11/2011 available from CIR
Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Acrylates Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Adansonia digitata seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Adansonia Digitata Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer		1						safe in nail product formulations		Final report 09/2016
Allyl Methacrylate/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
Allyl Methacrylates Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Almondamide DEA		1						safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free		IJT 32(S1):36-58, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111, 2012
Almondamidopropyl dimethylamine		1					not in current use*	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
Almond Oil/Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Almond oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Almond oil PEG-8 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Almond Oil Propylene Glycol Esters*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
Aloe Barbadensis Flower Extract		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, 2007
Aloe Barbadensis Leaf		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, 2007
Aloe Barbadensis Leaf Extract		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, 2007
Aloe Barbadensis Leaf Juice		1						safe as cosmetic ingredients in the practices of use and concentrations as described in this safety		IJT 26(S2):1-50, 2007

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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, 2007
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, 2007
Aluminum Starch Octenylsuccinate		1						safe as used provided that established limitations imposed on heavy metal concentrations are not exceeded		IJT 21(S1):1-7, 2002
Ammonium Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ammonium Bicarbonate		1						when formulated to be non-irritating		Final report 12/2016 available from CIR
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):151-161,2010
Ammonium Capryleth Sulfate,		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(Suppl. 3):151-161,2010
Ammonium Carbonate		1						when formulated to be non-irritating		Final report 12/2016 available from CIR
Ammonium Cocoyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Ammonium Cocoyl Sarcosinate*		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
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 CIR
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, 1998

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 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
Ammonium Lauroyl Sarcosinate		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Ammonium Lauryl Sulfate		1						safe for use in rinse-off products; but 1% for leave-on		JACT 2(7):127-81, 1983 confirmed 06/02 IJT 24(S1):89-98, 2005
Ammonium Myreth Sulfate		1					not in current use *	safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161, 2010
Ammonium 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
Ammonium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Ammonium Polyacrylate		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ammonium Styrene/Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Ammonium Thioglycolate (amended)		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 JACT 10(1):135-92, 1991 (original report)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Ammonium VA/Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
AMP-Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Anthemis nobilis flower extract		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/2013 available from CIR
Anthemis nobilis flower oil		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/2013 available from CIR
Anthemis nobilis flower powder		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/2013 available from CIR
Anthemis nobilis flower water		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 12/2013 available from CIR
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, 2013
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, 2012
Apricot Kernel Oil PEG-40 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Apricot Kernel Oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Apricot Kernel Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Apricot Kernel Oil Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Apricot Kernel Oil Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Apricot Kernel Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Apricot Kernel Oil Polyglyceryl-5 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Apricot Kernel Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Apricot Kernel Oil Propylene Glycol Esters*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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):169-244 (2012)
Arachidyl behenate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Arachidyl erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Arachidyl Glucoside		1						safe in cosmetics when formulated to be non- irritating		IJT 32 (S3): 22-48, 2013
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 confirmed 06/06; Final report 03/2013 available from CIR
Argan oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Argan Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Astrocaryum Vulgare Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Avena Sativa (oat) bran		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) bran extract		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Flower/leaf/stem Juice*		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Kernel Extract		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Kernel Flour		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Kernel Meal		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Kernel Protein		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Leaf/stalk Extract*		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Leaf/stem Extract*		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Leaf Extract		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Meal Extract		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Peptide		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Protein Extract		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Avena Sativa (oat) Seed Extract*		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Seed Water*		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Sprout Oil*		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avena Sativa (oat) Straw Extract		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR
Avocadamide 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
Avocamidopropyl 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, 2012
Avocamidopropyl dimethylamine		1					not in current use *	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
Avocado oil PEG-11 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Avocado oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Avocado Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Avocado Oil Propylene Glycol Esters*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
Azelamide 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
Babassuamide 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		IJT 32(S1):36-58, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products		
Babassuamide 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
Babassuamidopropyl 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, 2012
Babassu Oil Polyglyceryl-4 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Babassu Oil Polyglyceryl-6 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Babussuamidopropyl dimethylamine		1					not in current use*	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
Barium Sulfate		1						safe in cosmetics as long as they are formulated to be non-irritating		Final report 06/2014 available from CIR
Batyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Batyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Behenamide 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
Behenamide 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 in which N-nitroso compounds may be formed		
Behenamidopropyl 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, 2012
Behenamidopropyl 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
Beheneth-10		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-15		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-2		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-20		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-25		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-30		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Beheneth-5		1						safe in cosmetics as long as they are formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Behentrimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Behentrimonium methosulfate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Behenyl/Isostearyl Beeswax		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Behenyl Beeswax		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Behenyl Behenate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Behenyl Betaine		1					Up to 8.4%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Behenyl Erucate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Olivat		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						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 quantitative 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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, 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
Butyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyl Lactate		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
Butyl 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
Butyl Myristate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		amended IJT 29(S3): 162-86, 2010; original JACT 9(2):247-58, 1990; final report 03/2013 available from CIR
Butyloctyl Beeswax		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyloctyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyloctyl Candelillate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyloctyl Cetearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Butyloctyl Oleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyloctyl Palmitate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Butyloctyl 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
Butyl Oleate		1						safe for use in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Butyl 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
C10-11 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C10-12 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C10-13 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C10-16 Alkyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
C10-16 Pareth-1		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C10-16 Pareth-2		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C10-40 Isoalkyl acid Octododecanol Esters		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C11-12 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C11-13 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C11-13 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-13 Pareth-6		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
C11-13 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-14 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (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):169-244 (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						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-15 Pareth-40		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-15 Pareth-5		1						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 formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-15 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-15 Sec-Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C11-21 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C11-21 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 alkyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C12-13 Pareth-1		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-15		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-2		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-23		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-4		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
C12-13 Pareth-6		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-13 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C12-14 Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 Pareth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-14 Sec-Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-15		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-30		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-40		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-50		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-8		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012
C12-15 alkyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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):1-108

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								directions for use include the daily use of sun protection.		
C12-15 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-11		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-2		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-15 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-16 Pareth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-16 Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-16 Pareth-9		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C12-18 Alkyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
C12-20 Alkyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
C12-20 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C13-14 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C13-15 Pareth-21		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C13-16 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C14-15 Pareth-11		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C14-15 Pareth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C14-15 Pareth-13		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C14-15 Pareth-4		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C14-15 Pareth-7		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
C14-15 Pareth-8		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C14-18 alkyl ethylhexanoate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C14-30 Alkyl Beeswax		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C15-35 isoparaffin/isoalkylcycloalkanes		1						safe when formulated to be non-irritating		IJT 31(S3): 269-295 (2012)
C16-22 Acid Amide 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
C16-36 alkyl stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C18-38 Alkyl Beeswax		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C18-38 Alkyl C24-54 Acid Ester		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C18-70 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C20-22 Alkyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
C20-22 Alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
C20-40 Alkyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C20-40 Alkyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C20-40 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C20-40 Pareth-95		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C22-24 Pareth-33		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C30-50 Alkyl Beeswax		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C30-50 Alkyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C30-50 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
C30-50 Pareth-3		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
C30-50 Pareth-40		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (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						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
C40-60 Pareth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (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)
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 to be non- irritating		IJT 31(S3): 269-295 (2012)
C8-10 alkyl ethyl phosphate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
C8-22 Alkyl Acrylates/Methacrylic Acid Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
C8-9 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C9-11 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C9-11 Pareth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
C9-11 Pareth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
C9-11 Pareth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
C9-11 Pareth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
C9-12 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C9-13 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
C9-14 isoparaffin		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (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 when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
C9-16 isoparaffin		1						safe when formulated to be non-irritating		IJT 31(S3): 269-295 (2012)
Calcium Carbonate		1						when formulated to be non-irritating		Final report 12/2016 available from CIR
Calcium Dihydrogen Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Calcium Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305, 2010
Calcium 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
Calcium 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
Calcium 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 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
Calcium Lauroyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Calcium 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 CIR
Calcium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Calcium Potassium Sodium Phosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Calcium Pyrophosphate		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						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
Calcium Thioglycolate		1						safe for use in hair straighteners permanent 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		IJT 28(S3):68-133, 2009
Camellia Sinensis Catechins		1					not in current use *	safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Camellia Sinensis Leaf		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Camellia Sinensis Leaf Extract		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Camellia Sinensis Leaf Oil		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Camellia Sinensis Leaf Powder		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Camellia Sinensis Leaf Water		1						safe for use in cosmetics when formulated to be non-sensitizing		Final report 09/2014 available from CIR
Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Canolamidopropyl 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, 2012
Capramide 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		IJT 32(S1):36-58, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								safety assessment of DEA and its salts; should not be used in cosmetic products		
Capryl/capramidopropyl 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, 2012
Capryleth-4		1						safe in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Capryleth-5		1						safe in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Caprylic/Capric Glycerides Polyglyceryl-10 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Capryloyl Collagen 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
Capryloyl Glycine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Capryloyl Gold of Pleasure 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
Capryloyl Keratin 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
Capryloyl Pea 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
Capryloyl Quinoa 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
Capryloyl 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(S3):1-108, 2003
Capryloyl 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 CIR
Caprylyl/capryl glucoside		1						safe in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Caprylyl Butyrate		1					not in current use *	safe in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Caprylyl Caprylate		1						safe in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Caprylyl Eicosenoate		1						safe in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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, 2007
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, 2007
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, 2007
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, 2007
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, 2007
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, 2007
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, 2007
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, 2007
Carapa Guaianensis Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Carnitine		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Carnitine HCl		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Carnitine hydroxycitrate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Carnitine PCA		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Carvacrol		1						up to 0.5%		IJT 25(S1):29-127, 2006

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Castor oil phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Castor Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Centella asiatica callus culture		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica flower/leaf/stem extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica leaf cell culture extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica leaf extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica leaf water		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica meristem cell culture		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica meristem cell culture extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Centella asiatica root extract		1						safe as used when formulated to be non-sensitizing		Final report 06/2015 available from CIR
Ceteareth-10		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-100		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-11		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-12		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-13		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-14		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Cetareth-15		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-16		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-17		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-18		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-2		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-20		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-23		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-24		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-25		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-27		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-28		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-29		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Cetareth-3		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-30		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-33		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-34		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-4		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-40		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-5		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-50		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-55		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-6		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-60		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Cetareth-7		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-80		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-9		1						Safe as used in cosmetics when formulated to be non- irritating		IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteartrimonium chloride		1						safe in the present practices of use and concentration, when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Cetearyl Behenate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 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 formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Cetearyl Isononanoate		1					up to 50%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269, 2011; Final Report 03/2013 available from CIR
Cetearyl Nonanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269, 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), 2006
Cetearyl Oliviate		1						safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetearyl Palmate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetearyl Palmitate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetearyl Phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Cetearyl Rice Branate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetearyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Ceteth-1		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012;

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
										IJT 18(2):1-8, 1999 (original report)
Ceteth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-12		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-13		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-14		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-15		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-150		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-16		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-17		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-18		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Ceteth-23		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-24		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-30		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-45		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Cetoleth-10		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-11		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Cetoleth-15		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-18		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-2		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-20		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-22		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-24		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-25		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-30		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-4		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-5		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetoleth-6		1						safe as used when formulated to be non- irritating		IJT 31(Suppl. 2):169-244, 2012
Cetrimonium Bromide		1						safe as used when formulated to be non- irritating		IJT 16(S3):195-220,1997 (original report); IJT 31(S3): 296-341 (2012)
Cetrimonium Chloride		1						safe as used when formulated to be non- irritating		IJT 16(S3):195-220,1997 (original report); IJT 31(S3): 296-341 (2012)
Cetrimonium methosulfate		1						safe as used when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Cetyl Babassuate		1						Safe as used in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetyl Behenate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetyl Betaine		1					0.36 to 7.4%	Safe as used in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Cetyl Caprate		1						Safe as used in cosmetics when formulated to be non- irritating		Final Report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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		IJT 16(S1):123-30,1997; final report 03/2013 available from CIR
Cetyl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 Report 03/2013 available from CIR
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 JACT 1(2):97-107, 1982 (Original Report)
Cetyl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetyl Myristate		1					up to 6%	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3):162-186,2010; final report 03/2013 available from CIR
Cetyl Myristoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetyl Oleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final Report 03/2013 available from CIR
Cetyl Palmitate		1					up to 11%	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
Cetyl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) 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
Chimyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Chimyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Chlorhexidine		1						up to .14%		JACT 12(3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Diacetate		1						up to .19%		JACT 12 (3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Digluconate		1						up to .20%		JACT 12 (3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Dihydrochloride		1						up to .16%		JACT 12(3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorothymol (amended)		1						up to 0.5%		IJT 25 (S1):29-127, 2006
Choline chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (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 12/2015 available from CIR
Citrus Aurantifolia (Lime) Flower Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantifolia (lime) 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
Citrus Aurantifolia (lime) Fruit Extract		1						safe for use in rinse-off and leave-on cosmetic products		Final report 12/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		Final report 12/2015 available from CIR
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, 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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Aurantifolia (Lime) Seed 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-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 03/11 available from CIR; Final report 09/2014 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Oil		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Water		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Wax		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Fruit Extract		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
Citrus Aurantium Amara (Bitter Orange) Fruit Juice Extract		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
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Extract*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Oil		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) 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 Aurantium Amara (Bitter Orange) Peel Extract		1						when formulated to be non-sensitizing and non-irritating, provided that leave-on products do		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								not contain more than 0.0015% (15 ppm) 5-MOP.		
Citrus Aurantium Amara (Bitter orange) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Aurantium Amara (Bitter Orange) 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 Aurantium Bergamia (Bergamot) Fruit Extract		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
Citrus Aurantium Bergamia (Bergamot) 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 12/2015 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Cell Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Oil		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) 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
Citrus Aurantium Currassuviensis Peel Oil		1					not in current use*	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		
Citrus Aurantium Dulcis (Orange) Flower		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Oil		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Wax		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (orange) Fruit Extract		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
Citrus Aurantium Dulcis (orange) Fruit Powder		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
Citrus Aurantium Dulcis (orange) 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 12/2015 available from CIR
Citrus Aurantium Dulcis (orange) Juice		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
Citrus Aurantium Dulcis (Orange) Leaf Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Aurantium Dulcis (Orange) 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 Aurantium Dulcis (Orange) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Aurantium Dulcis (Orange) 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 Aurantium Dulcis (Orange) Peel Wax		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 Aurantium Dulcis (Orange) Seed Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Aurantium Sinensis (orange) Fiber		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
Citrus Aurantium Sinensis 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 Aurantium Tachibana 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 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
Citrus Clementina Juice		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
Citrus Clementina Leaf Cell Extract*		1						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-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Depressa Flower Water*		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 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
Citrus Depressa 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 12/2015 available from CIR
Citrus Depressa Peel Extract		1						when formulated to be non-sensitizing and non-		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		
Citrus Depressa 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 Depressa Seed Oil*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Glauca Fruit Extract		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
Citrus Glauca Seed Oil*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Grandis/Paradisi 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 12/2015 available from CIR
Citrus Grandis (Grapefruit) Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Grandis (grapefruit) Fruit/peel 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 12/2015 available from CIR
Citrus Grandis (grapefruit) Fruit Extract		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-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
Citrus Grandis (grapefruit) Juice		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
Citrus Grandis (Grapefruit) Leaf Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Grandis (Grapefruit) 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 Grandis (Grapefruit) 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 Grandis (Grapefruit) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Grandis (Grapefruit) 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 Grandis (Grapefruit) Seed Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Grandis Peel/Seed Extract*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Hassaku/natsudaidai Fruit Juice		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
Citrus Hassaku/natsudaidai Fruit Powder		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
Citrus Hassaku/Natsudaidai 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 Hassaku Fruit Extract		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
Citrus Hystrix Leaf Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Hystrix Leaf Oil		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Iyo Fruit Extract		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
Citrus Iyo 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Citrus Iyo 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 Iyo 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-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Iyo 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
Citrus Jabara Juice		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
Citrus Jabara 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 Jabara 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 Jabara 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Japonica Fruit Extract		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
Citrus Junos Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Junos Flower Oil*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Junos Fruit Extract		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
Citrus Junos Fruit Juice		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
Citrus Junos Fruit Oil		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
Citrus Junos Fruit Powder		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
Citrus Junos 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						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 Junos Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Junos 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 Junos 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
Citrus Junos Seed Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Junos Seed Oil		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Limon (Lemon) Flower Water*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Limon (lemon) Fruit Extract		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
Citrus Limon (lemon) Fruit Oil		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Limon (lemon) Fruit Powder		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
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 12/2015 available from CIR
Citrus Limon (lemon) Juice		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
Citrus Limon (lemon) Juice Extract		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
Citrus Limon (lemon) Juice Powder		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
Citrus Limon (Lemon) Leaf Cell Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Limon (Lemon) Leaf Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Limon (Lemon) Peel		1						when formulated to be non-sensitizing and non-		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 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 Limon (Lemon) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Limon (Lemon) 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 Limon (Lemon) 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
Citrus Limon (Lemon) Peel Wax		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 Madurensis Fruit Extract		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
Citrus Madurensis Fruit 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 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
Citrus Medica Vulgaris Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Natsudaiddai Flower Oil*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Natsudaiddai Flower Water*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Natsudaiddai 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 Nobilis (Mandarin Orange)		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Nobilis (mandarin Orange) Fruit Extract		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
Citrus Nobilis (mandarin Orange) Fruit Juice		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Nobilis (Mandarin Orange) Oil		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Nobilis (Mandarin Orange) 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 Nobilis (Mandarin Orange) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Nobilis (Mandarin Orange) 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 Paradisi (grapefruit) Fruit Extract		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
Citrus Paradisi (grapefruit) 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 12/2015 available from CIR
Citrus Paradisi (grapefruit) Juice		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
Citrus Paradisi (Grapefruit) Peel Extract		1						when formulated to be non-sensitizing and non-		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.		
Citrus Paradisi (Grapefruit) Seed Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Extract		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Reticulata (tangerine) 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
Citrus Reticulata (tangerine) Fruit Extract		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
Citrus Reticulata (tangerine) 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 12/2015 available from CIR
Citrus Reticulata (Tangerine) Leaf Oil		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Leaf Water*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) 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 Reticulata (Tangerine) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								formulated to be non-sensitizing and non-irritating.		
Citrus Reticulata (Tangerine) 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 Shunkokan Fruit Extract		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
Citrus Shunkokan 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 Sinensis (Orange) Flower Water		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Sinensis (orange) Fruit Extract		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
Citrus Sinensis (orange) 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 12/2015 available from CIR
Citrus Sphaerocarpa Fruit Juice		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						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
Citrus Sudachi Fruit Juice		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
Citrus Sunki 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 Sunki Seed Extract*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Sunki Seed Oil*		1						formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Tachibana/reticulata Fruit Juice		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
Citrus Tachibana/Reticulata Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Tachibana/Reticulata 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Tamurana Flower Extract*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Tamurana Fruit Extract		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
Citrus Tangelo Fruit Juice		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
Citrus Tangelo Fruit Powder		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
Citrus Tangelo 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 Tangerina (Tangerine) 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
Citrus Tangerina (Tangerine) 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 12/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Tangerina (Tangerine) 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 Tangerina (Tangerine) 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 Tangerina (Tangerine) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
Citrus Tankan Fruit Extract		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
Citrus Tankan 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 12/2015 available from CIR
Citrus Unshiu/citrus Reticulata/citrus Iyo 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 12/2015 available from CIR
Citrus Unshiu/sinensis/reticulata Fruit Extract		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Unshiu Flower Powder*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Unshiu Flower Water*		1						when formulated to be non-irritating and non-sensitizing		Final report 12/2016 available from CIR
Citrus Unshiu Fruit Extract		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
Citrus Unshiu Fruit Juice		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
Citrus Unshiu Fruit Juice Ferment Extract Filtrate		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
Citrus Unshiu Fruit Oil		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
Citrus Unshiu Fruit Powder		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		Final report 12/2015 available from CIR
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 in 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

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 compounds may be formed		IJT 34(S1): 18-34, 2015; IJT 18(2):9-16, 1999 (original report)
Cocamidopropylamine Oxide		1						safe for use in rinse-offs (up to 4%); insufficient data for leave-ons		IJT 27(S1): 55-62, 2008 IJT 19(2):1-5, 2000 (original report)
Cocamidopropyl betainamide MEA chloride		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
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)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Coceth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coceth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Coco/oleamidopropyl 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
Coco/sunfloweramidopropyl 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
Cocoa Butter Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Coco-betaine		1					0.53 to 9.8%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Coco-Caprylate		1						safe for use in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Coco-Caprylate/Caprate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Coco-glucoside		1						safe for use in cosmetics when formulated to be non- irritating		IJT 32 (S3): 22-48, 2013
Coconut Oil PEG-10 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Coconut Oil Polyglyceryl-6 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Coco-Rapeseedate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Cocotrimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Cocotrimonium methosulfate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Cocoylcholine methosulfate		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Cocoyl glutamic acid		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Cocoyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Coffee Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Cornamide/cocamide 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
Cornamide 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
Corn Oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Corn Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Cottonseed Glyceride		1						safe as used in cosmetic products, provided that established and imposed limits on gossypol, heavy metals, and pesticide concentrations are not exceeded		IJT 20(S2):21-29, 2001
Cupuassauamidopropyl 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
Cyclohexyl 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
DEA-C12-13 Alkyl Sulfate		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		Final report 09/11 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-C12-13 Pareth Sulfate		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		Final report 09/11 available from CIR
DEA-C12-15 Alkyl Sulfate		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		Final report 09/11 available from CIR
DEA-Cetyl Sulfate		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		Final report 09/11 available from CIR
DEA-Cocamphodipropionate		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		Final report 09/11 available from CIR
DEA-Dodecylbenzenesulfonate (amended)		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		IJT 29 (S4): 288-305, 2010 - Final amended report 09/11 available from CIR
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		Final report 09/11 available from CIR
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 products in which N-nitroso compounds can be formed		Final report 09/11 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-Lauryl Sulfate		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		Final report 09/11 available from CIR
DEA- Linoleate		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		Final report 09/11 available from CIR
DEA-Methyl Myristate Sulfonate		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		Final report 09/11 available from CIR
DEA-Myreth Sulfate		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		Final report 09/11 available from CIR
DEA-Myristate		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		Final report 09/11 available from CIR
DEA-Myristyl Sulfate		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		Final report 09/11 available from CIR
DEA-Stearate		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		Final report 09/11 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Deceth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 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		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyl Laurate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyl Myristate		1					not in use at the time*	safe for use in cosmetics when formulated to be non-irritating		IJT 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)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 (original 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Diethanolamine Bisulfate		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		Final amended report 09/11
Di-HEMA Trimethylhexyl Dicarbamate		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
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 formulated to be non-irritating		Final report 09/2013 available from CIR
Diisobutyl 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
Diisopropanolamine		1						safe for use in cosmetic products; but should not be used in products containing N-nitrosating agents		JACT 6(1):53-76, 1987 confirmed IJT 25(S2), 2006
Diisopropylamine		1						safe for use in cosmetic products; but should not be used in products containing N-nitrosating agents		JACT 14(3):182-92, 1995 confirmed 12/09
Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Dilauryl Thiodipropionate		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41, 1992 (original report); JACT 29 (S3): 137-150, 2010
Dilinoleamidopropyl dimethylamine		1					not in current use*	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
Dimyristyl Phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Dimyristyl Thiodipropionate		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41, 1992 (original report); JACT 29 (S3): 137-150, 2010
Dioleyl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Dipalmitoyl cysteine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Dipotassium capryloyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Dipotassium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Dipotassium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium C12-14 pareth-1 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium C12-14 pareth-2 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
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 03/12 available from CIR
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 03/12 available from CIR
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 03/12 available from CIR
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 03/12 available from CIR
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 03/12 available from CIR
Disodium C12-15 pareth sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium capryloyl glutamate		1						safe for use in cosmetics as long as they are formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium coceth-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
Disodium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium deceth-5 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
disodium deceth-6 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium Etidronate		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Disodium hydrogenated tallow glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium laneth-5 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium laureth-12 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium laureth-6 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium laureth-9 sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium laureth sulfosuccinate		1						safe in the present practices of use and concentration when formulated to be non-irritating		Final report 03/12 available from CIR
Disodium lauroyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium Lauryl phosphate		1					not in current use *	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Disodium malyI tyrosinate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Disodium N-lauroyl aspartate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium oleth-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
Disodium oleyl phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Disodium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Disodium Pyrophosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Disodium stearoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disodium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Disperse Blue 1		1						up to 1%		JACT 14(6):433-51, 1995; confirmed 03/2011
Distearyl Thiodipropionate		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41, 1992 (original report); JACT 29 (S3): 137-150, 2010
Ditridecyl 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Ditridecyl Thiodipropionate (dialkyl esters)		1						safe for use in cosmetic formulations when formulated to be non-irritating		JACT 11(1):25-41, 1992 (original report); JACT 29 (S3): 137-150, 2010
Dodecylhexadecyl-trimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Erucyl Arachidate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/13 available from CIR
Erucyl Erucate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/13 available from CIR
Erucyl Oleate		1					not in current use*	safe when formulated to be non-irritating		Final report 03/13 available from CIR
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 available from CIR; JACT 2(7):183-235, 1983 (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 available from CIR; JACT 2(7):183-235, 1983 (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, 2009
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, 2005
Ethylene/Acrylic Acid/VA Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Myristate		1					not in use at the time*	safe for use in cosmetics when formulated to be non-irritating		IJT 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 formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Oleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Olivatate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Ethylhexyl Palmitate		1					up to 46%	safe for use in cosmetics when formulated to be non-irritating		JACT 1(2):13-35, 1982 confirmed 09/01; final report 03/2013 available from CIR
Ethylhexyl Pelargonate		1					2 to 25%	safe for use in cosmetics when formulated to be non-irritating		Final report 06/10 available from CIR; Final report 03/2013 available from CIR
Ethylhexyl 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
Ethylhexyl Stearate		1					up to 11%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(5):107-46, 1985 confirmed 06/03; final report 03/2013 available from CIR
Ethyl Methacrylate (Amended)		1						safe as used when application is accompanied by directions to avoid skin contact because of the sensitizing potential		IJT 21(S1):63-79, 2002 JACT 14(6): 452-67, 1995 (Original Report)
Ethyl 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);		IJT 28(S3):68-133, 2009

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								hairdressers should avoid skin contact and minimize consumer skin exposure		
Etidronic Acid		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
Formaldehyde		1			1			safe for use in cosmetics when formulated to 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		IJT 32(Suppl. 4):5-32, 2013; JACT 3(3):157-84, 1984 confirmed 09/03 IJT 25(S2): 1-89, 2006
Formic Acid		1						less than or equal to 64 ppm of the free acid		IJT 16(S3):221-34, 1997; Final report 01/2014 available from CIR
Glutaral		1						less than 0.5% for rinse-off; but should not be used in products intended to be aerosolized (insufficient data to support safety in leave-on products)		JACT 15(2):98-139, 1996
Glyceryl/Polyglyceryl-6 Isostearate/Behenate Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Glyceryl Diarachidate		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 Dibehenate		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 Dierucate		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								high enough to induce epidermal hyperplasia		
Glyceryl Dihydroxystearate		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 Diisopalmitate		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 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, 2007
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, 2007
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, 2007
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, 2007

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 of 1,2-diesters is not high enough to induce epidermal hyperplasia		IJT 26(S3):1-30, 2007
Glyceryl Dipalmitate		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 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								high enough to induce epidermal hyperplasia		
Glyceryl Stearate Citrate		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 Stearate 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 high enough to induce epidermal hyperplasia		IJT 26(S3):1-30, 2007
Glyceryl Stearate Succinate		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 Thioglycolate (amended)		1						safe in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors at concentrations up to 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize cons		IJT 28(S3):68-133, 2009 JACT 10(1):135-92, 1991 (original report)
Glycol Dimethacrylate/Vinyl Alcohol Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Glycol HEMA-Methacrylate (aka 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
Glycolic Acid (e.g. Alpha Hydroxy Acids)		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for		IJT 17(S1):1-242, 1998

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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		
Glyoxal (Amended)		1						1.25% in products intended to be applied to the nail		JACT 14(5):348-63, 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 formulated to be non-irritating		IJT 33(S4):13-39, 2014
Hazelnut Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Hazel Seed Oil PEG-8 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
HC Orange No. 1		1						safe for use in hair dyes up to 3%		IJT 17(S4):21-38, 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; but should not be used in products containing N-nitrosating agents		JACT 11(4):509-19, 1992
HC Yellow No. 2		1						up to 3%		JACT 13(3):157-66, 1994 confirmed 12/08
HEMA		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
HEMA 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 CIR
Heptylundecyl hydroxystearate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 CIR
Hexyldecyl hexyldecanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldecyl isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldecyl laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldecyl oleate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldecyl palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldecyl stearyl		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hexyldodecyl/ octyldodecyl hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 CIR
Hexyl laurate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Hexyl 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
Hydrogenated Castor Oil Behenyl esters		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated castor Oil cetyl esters		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated castor oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Hydrogenated castor oil stearyl esters		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated Cottonseed Glyceride		1						safe as used in cosmetic products, provided that established and imposed limits on gossypol, heavy metals, and pesticide concentrations are not exceeded.		IJT 20(S2):21-29, 2001
Hydrogenated Dimer Dilinoleth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-30		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-40		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-60		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-80		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Ethylhexyl olivate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated Ethylhexyl sesamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated Isocetyl olivate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated Isopropyl Jojobate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Hydrogenated Laneth-20		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Laneth-25		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Laneth-5		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Lard		1						lead 0.1ppm; arsenic 3ppm; mercury 1ppm; total PCB/		IJT 20(S2):57-64, 2001

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								pesticide contamination 40ppm with 10ppm for any specific residue		
Hydrogenated 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
Hydrogenated 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
Hydrogenated Palm/Palm Kernel Oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Hydrogenated Palmtrimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Hydrogenated Tallowalkonium Bentonite*		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Hydrogenated tallowamide 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
Hydrogenated Tallow Betaine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Hydrogenated Talloweth-12		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Talloweth-25		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(3):342-372 (2012)
Hydrogenated Tallowtrimonium chloride		1						safe when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Hydrolyzed camellia sinensis leaf		1					not in current use*			Final report 09/2014 available from CIR
Hydrolyzed Citrus Aurantium Dulcis Fruit Extract		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
Hydrolyzed Oat Flour		1						safe when formulated to be non- sensitizing		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 in which N-nitroso compounds may be formed		
Iodopropynyl Butylcarbamate (IPBC)		1						safe for use at 0.1%; should not be used in products intended to be aerosolized		IJT 17(S5):1-37, 1998
Isoamyl Laurate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isobornyl 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
Isobutyl 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
Isobutyl Myristate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		IJT 29(S3):162-186,2010; final report 03/2013 available from CIR
Isobutyl Palmitate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		final report 03/2013 available from CIR
Isobutyl Pelargonate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		Final report 06/10 available from CIR; final report 03/2013 available from CIR
Isobutyl Stearate		1					not in current use*	safe as used 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
Isobutyl Tallowate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		final report 03/2013 available from CIR
Isoceteth-10		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244, 2012

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Isoceteth-12		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244, 2012
Isoceteth-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;

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 CIR
Isodeceth-4		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIR
Isodeceth-5		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIR
Isodeceth-6		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/10 available from CIR
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 CIR
Isodecyl ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isodecyl Hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isodecyl isononanoate		1					up to 59%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269, 2011; final report 03/2013 available from CIR
Isodecyl laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isodecyl 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
Isodecyl Neopentanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 IJT 22(S1):1-35, 2003; final report 03/2013 available from CIR
Isodecyl Palmitate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isodecyl 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
Isodecyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Isododecane		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
Isoeicosane		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
Isohexadecane		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
Isohexyl Caprate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isohexyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isohexyl Neopentanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isohexyl Palmitate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isolaureth-10		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isolaureth-3		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isolaureth-6		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isolauryl Behenate		1						safe for use in cosmetics when formulated to be non-irritating		final report 03/2013 available from CIR
Isomyreth-3		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isomyreth-9		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isononyl isononanoate		1					up to 64%			IJT 30 (S3):228-269, 2011; final report 03/2013 available from CIR
Isooctane		1						safe when formulated to be non- irritating		IJT 31(S3): 269-295 (2012)
Isooctyl Caprylate/Caprate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isooctyl Tallate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isooctyl Thioglycolate		1						safe in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors at concentrations up to 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize cons		IJT 28(S3):68-133, 2009
Isopropanolamine		1						safe for use in cosmetic products; but should not be		JACT 6(1):53-76, 1987 confirmed

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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), 2006
Isopropylamine Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305, 2010
Isopropyl Arachidate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Avocadoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Babassuate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Cresols		1						up to .5%		IJT 25(S1):29-127, 2006 (Amended Report)
Isopropyl Hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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, 2005
Isopropyl Isostearate		1					up to 65%	safe for use in cosmetics when formulated to be non-irritating		JACT 11(1):43-9, 1992; final report 03/2013 available from CIR
Isopropyl Jojobate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 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
Isopropyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isopropyl Linoleate		1						safe for use in cosmetics when formulated to be non-irritating		JACT 11(1):51-56, 1992; final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 in 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								not be used in cosmetic products in which N-nitroso compounds may be formed		
Isostearamidopropyl 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
Isostearamidopropyl 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
Isostearamidopropyl Morpholine Lactate		1						safe for use in rinse-off products; data are insufficient to support safety in leave-on formulations		IJT 18(S3):51-56, 1999
Isosteareth-10		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-12		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-15		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-16		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-2		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-20		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-22		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-25		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-3		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-5		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-50		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isosteareth-8		1						safe when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Isostearyl Avocate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Behenate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Isostearyl Ethylhexanoate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Isostearyl Hydroxystearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Isononanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Linoleate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isostearyl Myristate		1					not in use at the time*	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; final report 03/2013 available from CIR
Isostearyl Neopentanoate		1					up to 14%	safe for use in cosmetics when formulated to be non-irritating		JACT 4(3):1-22, 1985 confirmed 09/03 IJT 25(S2), 2006; final report 03/2013 available from CIR
Isostearyl palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isotridecyl isononanoate		1					up to 51%	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S3):228-269, 2011; final report 03/2013 available from CIR
Isotridecyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Isotridecyl Myristate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; final report 03/2013 available from CIR
Isotridecyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Jjoba oil PEG-150 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Jjoba oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Kojic Acid		1						up to 1%		IJT 29 (S4): 244-273, 2010
Lactamide MEA		1						safe in the present practices of use and concentration (rinse-off products only) when formulated to be		IJT 34(S1): 18-34, 2015

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-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 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
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

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Lauramide 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
Lauramidopropyl 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
Lauramidopropyl 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
Lauramine Oxide		1						safe for use in rinse-off products; but 3.7% for leave-on products		JACT 13(3):231-45, 1994 confirmed 09/09; IJT 30(S2):73-127, 2011
Laureth-1		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-11		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-12		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-13		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-14		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-15		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Laureth-16		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Lauroyl arginine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Lauroyl collagen amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Lauroyl Ethyltrimonium methosulfate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Lauroyl 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
Lauroyl lysine		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Lauroyl proline		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Lauroyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Lauroyl silk amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Laurtrimonium bromide		1						safe for use when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Laurtrimonium chloride		1						safe for use when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Lauryl Acrylate/VA Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Lauryl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Lauryl betaine		1					0.015-8.8%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Lauryl Cocomate (amended)		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S; final report 03/2013 available from CIR
Lauryl ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Lauryl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Lauryl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Lauryl Lactate		1								IJT 17(S1):1-242, 1998
Lauryl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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, 2005

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								because of the sensitizing potential of methacrylates		
Lauryl Methacrylate/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
Lauryl Methacrylate/Sodium Methacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Lauryl Myristate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 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 formulated to be non-irritating		Final report 03/2013 available from CIR
Lauryl Palmitate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Lauryl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Lauryl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Lecithinamide 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
Lignoceryl Erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Linoleamide 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
Linoleamide 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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		IJT 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 CIR
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 CIR
Magnesium Phosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
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
Magnesium Myreth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 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, 2001
Malus Domestica (Apple) Fiber		1						when formulated to be non-irritating and non-sensitizing		Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Cell Culture Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Extract		1						when formulated to be non-irritating and non-sensitizing		Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Water		1						when formulated to be non-irritating and non-sensitizing		Final report 03/2016 available from CIR
Malus Domestica (Apple) Juice		1						when formulated to be non-irritating and non-sensitizing		Final report 03/2016 available from CIR
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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 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 available from CIR
MEA-cocoate		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 available from CIR
Meadowfoamamidopropyl 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
MEA-laureth-6 carboxylate		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 available from CIR
MEA-laureth sulfate		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 available from CIR
MEA-lauryl sulfate		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 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
MEA-PPG-8 steareth-7 carboxylate		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 available from CIR
MEA-PPG laureth-6 carboxylate		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 available from CIR
MEA-Salicylate (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; when used as a salicylate ingredient, safe when		Final amended report 03/12 available from CIR; IJT 22(3):1-108 (original salicylate report)
MEA-sulfite		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 available from CIR
MEA-tallowate		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 available from CIR
MEA-undecylenate		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		Final amended report 03/12 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 in which N-nitroso compounds may be formed		
Mentha Piperita (Peppermint) Leaf		1						safe as used, except that the concentration of pulegone should not exceed 1%		IJT 20(S3):61-73, 2001
Mentha Piperita (Peppermint) Leaf Extract		1						safe as used, except that the concentration of pulegone should not exceed 1%		IJT 20(S3):61-73, 2001
Mentha Piperita (Peppermint) Leaf Water		1						safe as used, except that the concentration of pulegone should not exceed 1%		IJT 20(S3):61-73, 2001
Mentha Piperita (Peppermint) Oil		1						safe as used, except that the concentration of pulegone should not exceed 1%		IJT 20(S3):61-73, 2001
Metaphosphoric Acid*		1						safe when formulated to be non-irritating		Final report 09/2016
Methacrylic Acid		1						safe as a nail primer in the present practices of use by trained professionals, but insufficient data to support retail use by consumers		IJT 24(S5):33-51, 2005
Methacrylic Acid/PEG-6 Methacrylate/PEG-6 Dimethacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Methacryloyl Ethyl Betaine/Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Methenamine		1						0.16%; but should not be used in products intended to be aerosolized		JACT 11(4):531-58, 1992
Methoxydiglycol 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
Methoxy PEG-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Methoxy PEG-100		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Methoxy PEG-16		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Methoxy PEG-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Methoxy PEG-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Methoxy PEG-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Methyl Alcohol		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; leave-on 7.5 ppm		JACT 11(1):75-128, 1992
Methyldibromo Glutaronitrile		1						leave-on 0.025%		JACT 15(2):140-65, 1996
Methylene Chloride		1						brief, discontinuous use only 7		JACT 7(6):741-835, 19887
Methylene Glycol		1				1		safe for use in cosmetics when formulated to 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		IJT 32(S4):5-32, 2013
Methyl 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, 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
Methyl Isobutyl Ketone (aka MIBK)		1						safe as used in nail polish removers and up to 4% as an alcohol denaturant		IJT 23(S1):29-57, 2003
Methylisothiazolinone (alone)		1						safe at concentrations up to 100 ppm and safe for use in leave-on cosmetic products when formulated to be non-sensitizingm which may be determined		IJT 29 (S3): 187-213, 2010; Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								based on a quantitative risk assessment (QRA).		
Methylisothiazolinone (with Methylchloroisothiazolinone)		1						rinse-off 15 ppm; leave-on 7.5 ppm		JACT 11(1):75-128, 1992
Methyl Lactate		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
Methyl 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
Methyl 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
MIBK (aka Methyl Isobutyl Ketone)		1						safe as used in nail polish removers and up to 4% as an alcohol denaturant		IJT 23(S1):29-57, 2004
Microcitrus Australasica Fruit Extract		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
Microcitrus Australis Fruit Extract		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).		
Milkamidopropyl 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
Minkamide 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
Minkamidopropyl 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
Minkamidopropyl 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
mink oil PEG-13 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
MIPA-Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305, 2010
Mixed Isopropanolamines		1						safe for use in cosmetic products; but should not be used in products containing N-nitrosating agents		JACT 6(1):53-76, 1987 confirmed 12/04 IJT 25(S2), 2006
Monoethanolamine (now Ethanolamine)		1						safe for use in rinse-off products; but should not be used in leave-on products		JACT 2(7):183-235, 1983
m-Phenylenediamine		1						10% in hair dyes		IJT 16 (S1):59-116,1997
m-Phenylenediamine Sulfate		1						10% in hair dyes		IJT 16(S1):59-116,1997
Myreth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Myreth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 06/2014 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 report 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Myristyl Glucoside		1						safe for use in cosmetics when formulated to be non-irritating		IJT 32 (S3): 22-48, 2013
Myristyl Isostearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Myristyl 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 JACT 1(2):97-107, 1982 (Original Report)
Myristyl Laurate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Myristyl Myristate		1					up to 17%	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
Myristyl Neopentanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Myristyl Phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Myristyl 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
Myristyl Stearate		1					up to 4%	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
Myrtrimonium bromide		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Noneth-8		1						safe as used in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Noxonyl-1		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 from CIR
Nonoxynol-10		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-100		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-11		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-12		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-120		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-13		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-14		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-15		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-18		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-2		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR
Nonoxynol-20		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-23		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-25		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-3		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-30		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Nonoxynol-35		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-4		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR
Nonoxynol-40		1						when formulated to be non-irritating		JACT 2 (7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-44		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-5		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-50		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-6		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-7		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-70		1						when formulated to be non-irritating		Final report 12/2015 available from CIR
Nonoxynol-8		1						when formulated to be non-irritating		IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR
Nonoxynol-9		1						when formulated to be non-irritating		JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
N-Phenyl-p-Phenylenediamine		1						up to 1.7% as the free base		JACT 13(5):374-94, 1994
N-Phenyl-p-Phenylenediamine HCl		1						up to 1.7% as the free base		JACT 13(5):374-94, 1994
N-Phenyl-p-Phenylenediamine Sulfate		1						up to 1.7% as the free base		JACT 13(5):374-94, 1994

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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		IJT 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

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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 Olivat		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						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
Oleamidopropyl 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
Oleamidopropyl dimethylamine		1						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
Oleoyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Oleoyl Tyrosine		1						Safe as used in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Oleth-10		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-100		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-106		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-11		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-12		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-15		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-16		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-2		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-20		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-23		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-24		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-25		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-3		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-30		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-35		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-4		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-40		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-44		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-5		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-50		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-6		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-7		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-8		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-82		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-9		1						safe as used in cosmetics when formulated to be non- irritating		IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleyl Arachidate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Oleyl Betaine		1					up to 23.7%	safe as used in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Oleyl Erucate		1						safe as used in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Oleyl Ethyl Phosphate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Oleyl Linoleate		1						safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Oleyl Myristate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; final report 03/2013 available from CIR
Oleyl Oleate		1						safe as used in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Oleyl Phosphate		1					not in current use*	Safe as used in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Oleyl Stearate		1					not in current use*	safe as used in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Olivamide 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
Olivamide 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
Olivamidopropyl 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
Olivamidopropyl 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
Olive Oil PEG-10 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Olive oil PEG-6 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Olive Oil PEG-7 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Olive Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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		IJT 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		IJT 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Palmitamide 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
Palmitamidopropyl 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
Palmitamidopropyl dimethylamine		1						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
Palmitoyl alanine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palmitoyl arginine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palmitoyl carnitine		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Palmitoyl collagen amino acids		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/2013 available from CIR
Palmitoyl 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
Palmitoyl glycine		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/2013 available from CIR
Palmitoyl gold of pleasure 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
Palmitoyl isoleucine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palmitoyl keratin amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palmitoyl millet 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
Palmitoyl 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
Palmitoyl pea 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
Palmitoyl proline		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palmitoyl quinoa 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Palmitoyl silk amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Palm kernelamide 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
Palm kernelamide 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
Palm kernelamidopropyl 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
Palm Kernel Oil Polyglyceryl-4 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Palm Oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Palm Oil Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Palm Oil Polyglyceryl-4 Esters		1						safe when formulated to be non-irritating		Final report 09/2016
Palm Oil Polyglyceryl-5 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Palm Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Pamitoyl ethyltrimonium methosulfate		1						safe when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Pantothenamamide 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
Parinari Curatellifolia Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 12/2014 available from CIR
p-Chloro-m-Cresol (amended)		1						up to 5%		IJT 25 (S1):29-127, 2006 IJT 16(S3):235-68,1997 (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, 2015
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 CIR
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 CIR
PEG/PPG-14/7 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG/PPG-17/4 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
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 CIR
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 CIR
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 CIR
PEG/PPG-35/40 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG/PPG-36/41 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
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 CIR
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 CIR
PEG/PPG-5/2 Methacrylate/Methacrylic Acid Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
PEG/PPG-50/40 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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/PPG-52/32 Dimethyl 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-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					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG/PPG-7/12 Dimethyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
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 formulated to be non-irritating		Final report 09/2013 available from CIR
PEG-100 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-100 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-10 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-10 Cocamine*		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-10 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-10 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-10 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-10 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-10 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-10 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-10 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-10 Olive Glycerides		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-10 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-10 soyamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-10 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-10 Sunflower Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-10 Tsubakiate Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-11 Avocado Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-11 Babassu Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-11 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-11 Cocoa Butter Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-11 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-120 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-12 cocamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-12 diisostearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-12 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-12 Dioleate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-12 Distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-12 Ditallate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-12 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-12 palmitamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-12 Palm Kernel Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-13 Mink Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-13 Sunflower Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-14 Avocado Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-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 03/2015 available from CIR
PEG-150 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-150 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-150 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-150 Laurate		1						up to 25%		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 06/2015 available from CIR
PEG-15 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
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 06/2015 available from CIR
PEG-15 Jojoba Alcohol		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-15 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-15 soyamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-15 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-15 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-160 Sorbitan Triisostearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
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):169-244 (2012)
PEG-16 dilaurate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-16 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-16 Macadamia Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-175 diisostearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-175 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-18 castor oil dioleate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-18 Palm Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-18 sorbitan trioleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-190 distearate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-192 Apricot Kernel Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-200 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-200 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-200 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-20 Almond Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-20 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 cocamine*		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-20 Corn Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-20 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-20 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-20 distearate*		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-20 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 hydrogenated castor oil laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 hydrogenated castor oil pca isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Palm Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-20 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-20 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-20 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-20 sorbitan cocoate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 sorbitan isostearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 sorbitan oleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-20 sorbitan triisostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-20 Tsubakiate Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-22 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-250 distearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-25 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-25 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 12/2014 available from CIR
PEG-25 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-25 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-26 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-26 Jojoba Alcohol		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-29 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-2 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-2 cocamine		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-2 diisononanoate		1						safe when formulated to be non-irritating		IJT 30(S3):228-269, 2011; Final report 03/2015 available from CIR
PEG-2 diisostearate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-2 Dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-2 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-2 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-2 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-2 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 lauramine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-2 Laurate SE		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-2 oleamine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 Olive Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-2 rapseedamine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 sorbitan isostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-2 sorbitan trioleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 soyamine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-2 Sunflower Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-2 tallow amine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-30 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 16(S3):269-306, 1997; IJT 33(S4):13-39, 2014
PEG-30 Glyceryl Cocoate		1						safe when formulated to be non- irritating		IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-30 Hydrogenated Castor Oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 16(S3):269-306, 1997; IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil Laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil PCA Isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil Triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-30 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-30 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-30 sorbitan beeswax		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-30 sorbitan tetraoleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-30 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-32 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 available from CIR
PEG-32 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-32 distearate*		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-32 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-33 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-35 Almond Glycerides*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-35 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-35 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-35 Soy Glycerides		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-36 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-3 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-3 cocamine*		1						safe as used when formulated to be non-irritating		IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-3 dicaprylate/caprate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-3 diisostearate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-3 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-3 dipalmitate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-3 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-3 Glyceryl Cocoate		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-3 Methyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-3 sorbitan oleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 06/2015 available from CIR
PEG-3 sorbitan tristearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
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 CIR
PEG-40 Glyceryl Cocoate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
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 CIR
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 CIR
PEG-40 sorbitan diisostearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 sorbitan lanolate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 sorbitan oleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-40 sorbitan perisostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 available from CIR
PEG-40 sorbitan peroleate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 sorbitan stearate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 sorbitan tetraoleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-42 Babassu Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-42 Mushroom Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-44 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-44 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-45 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-45 Palm Kernel Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-45 Safflower Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-4 Caprylic/capric Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-4 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-4 cocamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-4 dicocoate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-4 diheptanoate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-4 diisostearate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-4 Dilaurate		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-4 Dimethacrylate		1						safe in nail enhancement products when skin contact is		IJT 24(S5):53-100, 2005

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates		
PEG-4 diolate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-4 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-4 Distearyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-4 Ditallow Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (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 formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-4-PPG-7 C13/C15 Alcohol		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
PEG-4 sorbitan stearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-4 sorbitan triisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-50 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-50 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 hydrogenated castor oil laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 hydrogenated castor oil succinate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-50 hydrogenated tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-50 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-54 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-54 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-55 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-55 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-58 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-5 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-5 cocamine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-5 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		Final amended report 09/12 available from CIR
PEG-5 hydrogenated castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-5 hydrogenated castor oil triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-5 Hydrogenated Corn Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-5 hydrogenated tallow amine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-5 oleamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-5 sorbitan isostearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-5 soyamine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-5 stearamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-5 Tsubakiate Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-60 Almond Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-60 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 castor oil isostearate		1						safe for use in cosmetics when formulated to be non-irritating		Final amended report 09/12 available from CIR
PEG-60 Corn Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-60 Evening Primrose Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-60 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 hydrogenated castor oil laurate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 hydrogenated castor oil pca isostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 Hydrogenated Castor Oil Triisostearate		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-60 Passiflora Edulis Seed Glycerides*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-60 Passiflora Incarnata Seed Glycerides*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
PEG-60 Shea Butter Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-60 sorbitan stearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 sorbitan tetraoleate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 sorbitan tetrastearate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 Tsubakiate Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-65 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-6 Almond Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-6 Caprylic/capric Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-6 diisostearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-6 dilaurate*		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-6 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-6 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 09/12 available from CIR
PEG-6 Hydrogenated Palm/palm Kernel Glyceride*		1						safe when formulated to be non-irritating		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 CIR
PEG-6 Olive Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-6 sorbitan oleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-6 sorbitan stearate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
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 CIR
PEG-70 Mango Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
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 CIR
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 report 03/2015 available from CIR
PEG-75 dioleate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-75 distearate*		1						safe when formulated to be non-irritating		IJT 19 (S1):51-59, 1999; Final report 03/2015 available from CIR
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 CIR
PEG-75 Shorea Butter Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-75 sorbitan lanolate*		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 available from CIR
PEG-75 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-75 Soy Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-78 Glyceryl Cocoate*		1						safe when formulated to be non- irritating		IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-7 Caprylic/capric Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-7 Cocoglycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-7 Glyceryl Cocoate		1						safe when formulated to be non- irritating		IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-7 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-7 Methyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-7 Olive Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-7 Propylheptyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-7 Sunflower Glycerides*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-7 tallow amine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-80 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-80 Glyceryl Cocoate		1						safe when formulated to be non- irritating		IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-80 hydrogenated castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-80 sorbitan laurate		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-80 sorbitan palmitate*		1						safe as used when formulated to be non-irritating		IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-8 Caprylic/capric Glycerides		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-8 castor oil		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
PEG-8 cocamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-8 dicocoate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-8 diisostearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-8 dilaurate		1						safe when formulated to be non-irritating		IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-8 dioleate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
PEG-8 distearate		1						safe when formulated to be non-irritating		IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-8 ditallate*		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
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 CIR
PEG-8 hydrogenated tallow amine		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-8 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-8 Propylheptyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
PEG-8 soyamine*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
PEG-90 diisostearate		1						safe when formulated to be non-irritating		Final report 03/2015 available from CIR
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						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
PEG-9 distearate*		1						safe when formulated to be non-irritating		IJT 19 (S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-9 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-Cetyl Stearyl Diether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Pentapotassium Triphosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Pentasodium Triphosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Phenethyl Alcohol		1						up to 1%		JACT 9(2):165-83, 1990 confirmed 08/06
Phosphate Buffered Saline*		1						safe when formulated to be non-irritating		Final report 09/2016
Phosphoric Acid		1						safe when formulated to be non-irritating		Final report 09/2016
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 and in artificial nail coatings, as a polymerization inhibitor, that are cured by LED light;	unsafe for use in all other cosmetics due to dermal depigmentation potential	JACT 4 (5):31-63, 1985 confirmed 09/03 IJT 25(S2), 2006; Final report 12/2014 available from CIR
Pinus Sibirica Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyacrylamide (Amended)		1						safe if the level of acrylamide monomer in formulation is not greater than 5ppm		IJT 24(S2):21-50, 2005 JACT 10(1):193-203, 1991 (Original Report)
Polyacrylic Acid		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Polyglyceryl-10 Apricot Kernelate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Behenate/Eicosadioate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Caprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Caprylate/Caprates		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Caprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Cocoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decaethylhexanoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decahydroxystearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decaisostearate		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Decalinoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decamacadamate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decaoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Decastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dicoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Didecanoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Diisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dilaurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dimyristate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dioleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dipalmitate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Distearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dodecabeheate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dodecacaprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dodeca-Caprylate/ Caprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Dodecacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Eicosanedioate/Tetradecanedioate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Hepta(Beheate/Stearate)*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Heptahydroxystearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Heptaoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Heptastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Hexaerucate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Hexaisostearate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 09/2016
Polyglyceryl-10 Hydroxystearate/Stearate/Eicosadioate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Laurate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Linoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Mono/Dioleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Myristate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Nonaerucate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Nonaisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Palmate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Palmitate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentahydroxystearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentaistearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentalaurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentalinoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentaoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentaricinoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Pentastearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Sesquisteate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Stearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tetradecanedioate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Tetralaurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tetraoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tricocoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tridecanoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Trierucate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Triisostearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Trilaurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Trioleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Tristearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-10 Undecylenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-15 Diisostearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Docosabehenate/Isostearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Docosabehenate/Laurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Docosabehenate/Oleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Heptacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Heptadecabehenate/Laurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Hexacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Octadecabehenate/Laurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-20 Octaisiononanoate*		1						safe when formulated to be non-irritating		Final report 12/11 available from CIR; Final report 09/2016
Polyglyceryl-2 Caprate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Caprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Diisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Dioleate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-2 Distearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Isopalmitate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Isopalmitate/Sebacate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Laurate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Myristate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Palmitate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Sesquicaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Sesquiisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Sesquioleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Sesquistearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Stearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Tetrabehenate/Macadamate/Sebacate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Tetraisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Tetraoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Tetrastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-2 Triisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Beeswax		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Behenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Caprate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Caprylate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Cocoate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Dicitrate/Stearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Dicocoate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Di Hydroxystearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Diisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Dioleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Distearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Laurate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Myristate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Palmitate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Pentacaprylate/Caprates*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Pentaolivate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Pentaricinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Rice Branate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Ricinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Soyate/Shea Butterate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Stearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Stearate SE*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Triisostearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-3 Triolivate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Almond/Shea Butterate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-4 Caprate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Caprylate/Caprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Caprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Cocoate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Dilaurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Distearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Hazelnutseedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Isostearate/Laurate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Laurate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Laurate/Sebacate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Laurate/Succinate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Pentaoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Pentapalmitate/Stearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Pentastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Punicate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Stearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Sweet Almondate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-4 Tristearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Caprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Dicaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Dilaurate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-5 Dioleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Hexastearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Isostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Laurate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Myristate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Oleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Pentamyrystate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Ricinoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Stearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Tribehenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Triisostearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Trimyrystate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Trioleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-5 Tristearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Adansonia Digitata Seedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Apricot Kernelate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Argan Kernelate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Behenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Caprate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Caprylate/Caprate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Caprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Citrullus Lanatus Seedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Dicaprate*		1						safe when formulated to be non-irritating		Final report 09/2016

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 09/2016
Polyglyceryl-6 Dioleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Dipalmitate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Distearate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Heptacaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Hexaoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
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 09/2016
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 Sesquiosostearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Sesquisteate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Stearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Tetrabehenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Tetracaprylate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Tetraoleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Tricaprylate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Trichilia Emetica Seedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Tristearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Undecylenate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-6 Ximenia Americana Seedate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-8 C12-20 Acid Ester*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-8 Decabehenate/Caprates		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-8 Decaerucate/Decaisostearate/ Decaricinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-8 Oleate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyglyceryl-8 Stearate*		1						safe when formulated to be non-irritating		Final report 09/2016
Polyoxymethylene Urea		1						concentration of free formaldehyde should be 0.2%; unsafe for aerosols		JACT 14(3):204-20, 1995 confirmed 12/09
Polypropylene Glycols (PPG)		1						50%		JACT 13 (6):437-91, 1994 reopened 12/09 tentative amended report 04/10 available from CIR
Polyquaternium-14		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-28		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-32		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Polyquaternium-33		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-35		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-36		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-37		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-45		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-47		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-48		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-53		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-63		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-73		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polyquaternium-91		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Polysilicone-2		1	1					The CIR Expert Panel concluded that polysilicone-2, 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 agents - nonaqueous).		Final 03/2016 available from CIR
Polysilicone-4		1	1					The CIR Expert Panel concluded that polysilicone-2, 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		Final 03/2016 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 concluded that polysilicone-2, 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 agents - nonaqueous).		Final 03/2016 available from CIR
Polysorbate 20		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 21		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 40		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 60		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 61		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 06/2015 available from CIR
Polysorbate 80		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 81		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 85		1						safe as used when formulated to be non-irritating		JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Potassium Acrylates/C10-30 Alkyl Acrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
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 12/2016 available from CIR
Potassium Bromate		1						10.17% (calculated as Sodium Bromate)		JACT 13(5):400-14, 1994
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 CIR
Potassium C12-13 alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Potassium C12-14 alkyl phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Potassium C9-15 alkyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
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 CIR
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 CIR
Potassium Carbonate		1						when formulated to be non-irritating		Final report 12/2016 available from CIR
Potassium Cetyl Phosphate		1						safe for use when formulated to be non-irritating		Final report 09/2014 available from CIR
Potassium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Potassium cocoyl glycinate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
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 CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Potassium Cocoyl Sarcosinate*		1						safe as used when formulated to be non-irritating		Final report 09/2016
Potassium Cocoyl Taurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Potassium Dodecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305, 2010
Potassium Glycolate		1								IJT 17(S1):1-242, 1998
Potassium 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
Potassium Lactate		1								IJT 17(S1):1-242, 1998
Potassium lauroyl collagen 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
Potassium lauroyl glutamate*		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Potassium lauroyl 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
Potassium lauroyl pea 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
Potassium Lauroyl Sarcosinate*		1						safe as used when formulated to be non-irritating		Final report 09/2016
Potassium 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 CIR
Potassium lauroyl wheat amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Potassium Lauryl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Potassium Metaphosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Potassium Methyl Cocoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Potassium Myristoyl Glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Potassium olivoyl/lauroyl 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
Potassium 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 CIR
Potassium PEG-50 hydrogenated castor oil succinate*		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Potassium 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
Potassium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Potassium Polyacrylate		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Potassium Polyphosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Potassium 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
Potassium Silicate		1					not reported*	safe for use when formulated to avoid skin irritation		IJT 24(S1):103-117, 2005
Potassium Stearoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Potassium Taurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Potassium Thioglycolate		1						safe for use in hair straighteners permanent 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		IJT 28(S3):68-133, 2009
Potassium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
PPG-10-Buteth-9*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-10-Cetareth-20		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-12		1						safe when formulated to be non-irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-12-Buteth-12*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-12-Buteth-16		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-12 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-13		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-13-Decyltetradeceth-24		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-14 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-14-Deceth-6		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-15		1						safe when formulated to be non- irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-15-Buteth-20		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-15 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-16		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-16 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-17		1						safe when formulated to be non- irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-17-Buteth-17		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-17 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-18 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-19-Buteth-19*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-1-Ceteth-1		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Ceteth-10		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-1-Ceteth-20		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Ceteth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Deceth-4		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Deceth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Deceth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Deceth-7		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Isodeceth-4		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Isodeceth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Isodeceth-7		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1-Isodeceth-9		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1 Trideceth-13		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-1 Trideceth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-20		1						safe when formulated to be non- irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-20-Buteth-30		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-20 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-20-Decyltetradeceth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-22 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-23-Steareth-34		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-24-Buteth-27*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-24 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-25-Laureth-25		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-26		1						safe when formulated to be non- irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-26-Buteth-26		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-26 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-28-Buteth-35		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-2-Buteth-1*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-2-Buteth-2*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-2-Buteth-3*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-2 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-2 C12-13 Pareth-8		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-2 C12-15 Pareth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2 C9-11 Pareth-11		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2 C9-11 Pareth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2 C9-11 Pareth-7		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2 C9-11 Pareth-8		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Ceteareth-9		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-2-Ceteth-1		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Ceteth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-2-Ceteth-20		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Ceteth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-10		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-2-Deceth-12		1						safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-15		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-20		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-3		1						safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-30		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-40		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-50		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-60		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-7		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Deceth-8		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-10		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-12		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-18		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-25		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-4		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-8		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Isodeceth-9		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Laureth-12		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Laureth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-Laureth-8		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-2-PEG-11 Hydrogenated Lauryl Alcohol Ether		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 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 report 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-Laureth-8		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Laureth-9		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-3-Myreth-11		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-3-Myreth-3		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-3-PEG-6 Oleyl Ether		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-40 Butyl Ether		1						safe when formulated to be non- irritating		IJT 20(S4):39-52, 2001
PPG-40 Butyl Ether		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-4-Buteth-4*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-4 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-4 C12-14 Sec-Pareth-5		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4 C13-15 Sec-Pareth-15		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Ceteareth-12		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Ceteth-1		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Ceteth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Ceteth-20		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Ceteth-5		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Deceth-4		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Deceth-6		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Isodeceth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Laureth-15		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Laureth-2		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Laureth-5		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-4-Laureth-7		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-4-Tricedeth-6		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-51		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-52		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-52 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-53 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-5-Buteth-5		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-5-Buteth-7*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-5 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-5 C12-14 Sec-Pareth-7		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-5 C12-14 Sec-Pareth-9		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-5 C9-15 Pareth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-5-Ceteth-20		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-5-Laureth-5		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-69		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-6 C12-15 Pareth-12		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6 C12-18 Pareth-11		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6 C9-11 Pareth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6 Deceth-4		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6 Deceth-9		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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-6-Decyltetradeceth-12		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6-Decyltetradeceth-20		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-6-Decyltetradeceth-30		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-6-Laureth-3		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-6 Trideceth-8		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-7		1						safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
PPG-7-Buteth-10		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-7-Buteth-4		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-8-Ceteth-1		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-8-Ceteth-10		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-8-Ceteth-2		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-8-Ceteth-20		1						safe when formulated to be non- irritating		Final report 09/2013 Available from CIR
PPG-8-Ceteth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-8-Deceth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-9		1						safe when formulated to be non- irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-9-Buteth-12		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
PPG-9 Butyl Ether*		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-9-Ethylhexeth-5		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
PPG-9-Steareth-3		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
Propionyl collagen 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
Propylene Glycol		1						50%		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Propylene Glycol Behenate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Butyl Ether*		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
Propylene Glycol Capreth-4		1					not in current use*	safe for use when formulated to be non-irritating		Final report 09/2013 Available from CIR
Propylene Glycol Caprylate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Cocoate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Dicaprate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicaproate		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Dicaprylate		1						safe when formulated to be non- irritating		IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicaprylate/dicaprate		1						safe when formulated to be non-irritating		IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicocoate*		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Diethylhexanoate		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Diisononanoate*		1						safe when formulated to be non- irritating		IJT 30(Suppl. 3):228-269, 2011; Final report 12/2014 available from CIR
Propylene Glycol Diisostearate*		1						safe when formulated to be non- irritating		IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dilaurate*		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dioleate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dipelargonate		1						safe when formulated to be non- irritating		IJT 18(S2):35-52, 1999; Final report

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 available from CIR
Propylene Glycol Distearate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Diundecanoate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Heptanoate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Isodeceth-12		1					not in current use*	safe for use when formulated to be non-irritating		Final report 09/2013 Available from CIR
Propylene Glycol Isodeceth-4		1					not in current use*	safe for use when formulated to be non-irritating		Final report 09/2013 Available from CIR
Propylene Glycol Isostearate		1						safe when formulated to be non- irritating		IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Laurate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Laureth-6		1					not in current use*			Final report 09/2013 Available from CIR
Propylene Glycol Linoleate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Linolenate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Myristate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; IJT 29(S3) :162-186,2010; Final report 12/2014 available from CIR
Propylene Glycol Oleate		1						safe when formulated to be non- irritating		IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Oleate SE (self-emulsifying)*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
Propylene Glycol Oleth-5		1					not in current use*	safe as used when formulated to be non-irritating		Final report 09/2013 Available from CIR
Propylene Glycol Soyate*		1						safe when formulated to be non- irritating		Final report 12/2014 available from CIR
Propylene Glycol Stearate		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 (original report); Amended safety assessment 03/09 - Available from CIR; confirmed 03/2011
Quaternium-18/benzalkonium Bentonite*		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Quaternium-26		1						should not be used in products in which N-nitroso compounds may be formed		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						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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Raspberry seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Ricebranamide 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
Rice Bran Oil Polyglyceryl-3 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Ricinoleamide 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
Ricinoleamide 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
Ricinoleamidopropyl 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
Ricinoleamidopropyl 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
Rosa Canina Bud Extract*		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Flower		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR
Rosa Canina Flower Extract		1						safe when formulated to be non-irritating and non-sensitizing		Final report 3/2017 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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 in 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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/TEA-lauroyl collagen 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/TEA-lauroyl keratin 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/TEA-undecylenoyl collagen 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 Acrylates/Acrolein Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Sodium Acrylates/C10-30 Alkyl Acrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Sodium Acrylates/Vinyl Isodecanoate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Sodium Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Sodium Acrylates Crosspolymer-2		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Sodium Alpha-Olefin Sulfonates (e.g. C12-14 Olefin)		1						safe as used in rinse off products; safe up to 2% in 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		IJT 17(S5):39-66, 1998
Sodium Borate		1						5%; but not for use on infant or injured skin		JACT 2(7):87-125, 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 to be non- irritating		IJT 29(S3) :151-161,2010
Sodium C12-13 Pareth Sulfate		1						safe when formulated to be non- irritating		IJT 29(S3) :151-161,2010
Sodium C12-14 Olefin Sulfonate		1						safe as used in rinse off products; safe up to 2% in 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		IJT 17(S5):39-66, 1998
Sodium C12-15 Pareth Sulfate		1						safe when formulated to be non- irritating		IJT 29(S3) :151-161,2010

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 C14-16 Olefin Sulfonate		1						safe as used in rinse off products; safe up to 2% in 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		IJT 17(S5):39-66, 1998
Sodium C14-18 Olefin Sulfonate		1						safe as used in rinse off products; safe up to 2% in 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		IJT 17(S5):39-66, 1998
Sodium C16-18 Olefin Sulfonate		1						safe as used in rinse off products; safe up to 2% in 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		IJT 17(S5):39-66, 1998
Sodium Caproyl Methyltaurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium caproyl prolinat e		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium capryloyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Coceth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Sodium cocoyl/hydrogenated tallow glutamate		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/palmoyl/sunfloweroyl glutamate		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 Alaninate		1						safe for use in cosmetics when formulated to be non- irritating		Final report 12/2013 available from CIR
Sodium Cocoyl Amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Cocoyl Apple amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Cocoyl barley 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 collagen amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 glutamate		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 (S4) 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 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 09/2016
Sodium Hydrogenated Cocoyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium hydrogenated tallowoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
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 12/2015 available from CIR
Sodium Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/13 available from CIR
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 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
Sodium Laneth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Sodium Laureth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 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 12/2013 available from CIR
Sodium lauroyl aspartate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium lauroyl collagen 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 lauroyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Lauroyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium Lauroyl Methyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium lauroyl millet 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 lauroyl oat amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 report 09/2016
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 CIR
Sodium Lauroyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium lauroyl wheat amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
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 CIR
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 IJT 24(S1):89-98, 2005
Sodium Malate		1						safe for use as pH adjusters; insufficient data to support safety for other uses		IJT 20(S1):47-55, 2001
Sodium Metaphosphate		1						safe when formulated to be non-irritating		IJT 20(S3):75-89, 2001; Final report 09/2016
Sodium Metasilicate		1					up to 14%	safe for use when formulated to avoid skin irritation		IJT 24(S1):103-117, 2005
Sodium Methyl Cocoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium Methyl Lauroyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyl Myristoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyl Oleoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyl Palmitoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyl Stearoyl Taurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyltaurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyltaurate Isopalmitamide*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Methyltaurine Cocoyl Methyltaurate		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Myreth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 myristoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Myristoyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium Myristoyl Sarcosinate		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Sodium Naphthalenesulfonate (amended)		1					below 2%	safe as used in cosmetic formulations intended to be applied to skin; 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 N-isostearoyl Methyltaurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Octoxynol-2 Ethane Sulfonate		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
Sodium Octoxynol-2 Sulfate		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
Sodium Octoxynol-6 Sulfate		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
Sodium Oleoyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium Oleoyl Sarcosinate*		1						safe as used when formulated to be non-irritating		Final report 09/2016
Sodium Oleth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Sodium Oleyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium olivoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium palmitoyl proline		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Palmitoyl Sarcosinate		1						safe as used when formulated to be non-irritating		Final report 09/2016
Sodium Palm Kerneloyl Isethionate		1					not in current use*			Final report 09/2013 available from CIR
Sodium palmoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium PCA		1						should not be used in cosmetic products in which N-nitroso compounds can be formed		IJT 18(S2):25-34, 1999; Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 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 stearyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sodium Stearyl Methyl Isethionate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 available from CIR
Sodium Sulfate		1						safe as used when formulated to be non-irritating		IJT 19(S1):77-87, 2000; Final report 06/2016
Sodium Taurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Taurine Cocoyl Methyltaurate*		1						when formulated to be non-irritating		Final Report 12/2015 available from CIR
Sodium Thioglycolate		1						safe for use in hair straighteners permanent waves, tonics, dressings,		IJT 28(S3):68-133, 2009

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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		
Sodium Tridecylbenzenesulfonate		1						safe as cosmetic ingredients in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S4):288-305, 2010
Sodium Trimetaphosphate		1						safe for use when formulated to avoid skin irritation		IJT 20(S3):75-89, 2001
Sodium Trimetaphosphate*		1						safe when formulated to be non-irritating		Final report 09/2016
Sodium undecylenoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Sorbeth-12 hexacocoate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-150 hexastearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-160 tristearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2/oleate/dimer dilinoleate crosspolymer*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-20 beeswax		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-20 pentaisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-20 tetraisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 beeswax*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 cocoate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 hexacaprylate/caprate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 hexaisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 hexalaurate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-2 hexaoleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-30 pentaisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-30 tetraisostearate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-30 tetraoleate laurate (PEG-30 sorbitol tetraoleate laurate)*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-3 isostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-3 tristearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-40 hexaoleate (PEG-40 sorbitol hexaoleate)*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-40 pentaisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-40 pentaoleate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-40 tetrakisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-40 tetraoleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-450 tristearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-4 tetraoleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-50 hexaoleate (PEG-50 sorbitol hexaoleate)*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-50 pentaisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-50 tetrakisostearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-60 tetraoleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-60 tetrastearate (PEG-60 sorbitol tetrastearate)*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-6 beeswax		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-6 hexastearate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-6 laurate*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-6 tetraoleate		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Sorbeth-8 beeswax*		1						safe as used when formulated to be non-irritating		Final report 06/2015 available from CIR
Soyamide 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		IJT 32(S1):36-58, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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 when formulated to be non-sensitizing, which may be based on a quantitative risk assessment		IJT 31(S1):77-111, 2012
Soyamidopropyl 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
Soybean oil PEG-20 ester		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Soybean Oil PEG-36 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Soybean Oil PEG-8 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Soybean Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Soybean Oil Propylene Glycol Esters*		1						safe when formulated to be non-irritating		Final report 12/2014 available from CIR
Soytrimonium chloride		1						safe when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Stearalkonium Bentonite		1						safe as used when formulated to be non-irritating		Final report 03/2016 available from CIR
Stearamide 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
Stearamide 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
Stearamidopropyl Betaine		1						safe for use in cosmetics when formulated to be non-sensitizing, which		IJT 31(S1):77-111, 2012

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								may be based on a quantitative risk assessment		
Stearamidopropyl Dimethylamine		1						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
Stearamine Oxide		1						safe for use in rinse-off products; but 5% for leave-on products		JACT 13(5):231-45, 1994 confirmed 09/09; IJT 30(S2):73-127, 2011
Steareth-1		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-10		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-100		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-10 Allyl Ether/Acrylates Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Steareth-11		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-13		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-14		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-15		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-16		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-2		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-20		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-200		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Steareth-25		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-27		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-30		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-50		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-60 Cetyl Ether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Steareth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Steareth-80		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Stearoxypropyltrimonium chloride		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)
Stearoyl ethyltrimonium methosulfate		1						safe when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
Stearoyl 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
Stearoyl leucine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
Stearoyl Sarcosine		1						safe as used when formulated to be non-irritating		IJT 20(S1):1-14, 2001; Final report 09/2016
Steartrimonium Bromide		1						safe when formulated to be non- irritating		IJT 31(S3): 296-341 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
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): 296-341 (2012)
Stearyl/Lauryl Methacrylate Crosspolymer		1						safe in the present practices of use and concentration when not polymerized in benzene		Final report 11/2011 available from CIR
Stearyl Beeswax		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
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 report 03/2013 available from CIR
Stearyl betaine		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
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 report 03/2013 available from CIR
Stearyl Erucate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Stearyl Ethylhexanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Stearyl Heptanoate (amended)		1					0.07 to 8%			JACT 14(6):497-510, 1995; IJT 31(S2): 141-146, 2012; final report 03/2013 available from CIR
Stearyl Linoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Stearyl Olivat		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146, 2012; final report 03/2013 available from CIR
Stearyl Palmitate		1					up to 3%	safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2): 141-146, 2012; final report 03/2013 available from CIR
Stearyl Phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
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 report 03/2013 available from CIR
Styrene/Acrylates/Ammonium Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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 products in which N-nitroso compounds may be formed		IJT 34(S1): 18-34, 2015
Sunflowerseedamidopropyl 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 (QRA)		Final report 06/2014 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Tallowamide 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
Tallowamide 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
Tallowamidopropyl 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
Tallowamidopropyl 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
Tallow Betaine		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2014 available from CIR
Talloweth-18		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Talloweth-4		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Talloweth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Talloweth-6		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Talloweth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Tallowtrimonium chloride		1								IJT 31(S3): 296-341 (2012)
TBHQ (originally t-Butyl Hydroquinone) (Amended)		1						safe up to 0.1%		JACT 10(1):1-7, 1991 JACT

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
										5(5):329-51, 1986 (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 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
TEA-C10-15 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-C11-15 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-C11-15 Pareth 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-C12-13 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		IJT 32(S1): 59-81, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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-Coco-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-cocoyl alaninate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-cocoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-Dodecylbenzenesulfonate (amended)		1					up to 5%			JACT 12(3):279-309, 1993 (original 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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-hydrogenated tallowoyl glutamate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-Isostearate		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-Lactate		1						when used as an AHA ingredient, safe for use 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		IJT 17(S1):1-242, 1998; IJT 32(S1): 59-81, 2013
TEA-Laurate		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-Laurate/Myristate		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		IJT 32(S1): 59-81, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								not be used in cosmetic products in which N-nitr		
TEA-Laureth Sulfate		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-lauroyl/myristoyl aspartate*		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-lauroyl collagen amino acids		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-lauroyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available from CIR
TEA-lauroyl keratin 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
TEA-Lauryl Sulfate		1						safe up to 10.5%		JACT 1 (4):143-67, 1982; IJT 32(S1): 59-81, 2013
TEA-Myristate		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-Oleate		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-Oleyl 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		IJT 32(S1): 59-81, 2013

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitr		
TEA-Palmitate		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-PEG-3 Cocamide 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-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
TEA Sorbate		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 Stearate		1						safe for use in rinse-off products; but 15% in leave-on products; and should not be used with N-nitrosating agents		JACT 14(3): 240-8, 1995; IJT 32(S1): 59-81, 2013
TEA Sulfate		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								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-Tallate		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-Tridecylbenzenesulfonate (amended)		1						safe for use in cosmetics when formulated to be non-irritating		IJT 29 (S4) 288-305, 2010
TEA-Undecylenate		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
Tetradecyleicosyl Stearate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tetradecyloctadecyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 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
Tetradecyloctadecyl Myristate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; final report 03/2013 available from CIR
Tetradecyloctadecyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tetradecylpropionates		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tetrahydrofurfuryl Methacrylate		1						safe in nail enhancement products when skin contact is avoided;products should be accompanied with directions to avoid skin contact		IJT 24(S5):53-100, 2005

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
								because of the sensitizing potential of methacrylates		
Tetrapotassium Etidronate		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
Tetrapotassium Pyrophosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Tetrasodium Etidronate		1						safe when formulated to be non-irritating		Final report 3/2017 available from CIR
Tetrasodium Pyrophosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Theobroma Grandiflorum Seed Butter Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Thiodipropionic Acid (amended)		1						safe for use in cosmetic formulations when formulated to be non-irritating		IJT 29 (S3): 137-150, 2010
Thioglycolic Acid (amended)		1						safe for use in hair straighteners permanent 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		JACT 10(1):135-92, 1991 (original report); IJT 28(S3):68-133, 2009
Thymol (amended)		1						up to 0.5%		IJT 25(S1):29-127, 2006
Tricalcium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Tricaprylyl/capryl trimellitate*		1						safe when formulated to be non-irritating		Final report 09/2015 available from CIR
Tricetyl phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Trichilia Emetica Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Trideceth-10		1						safe for cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Trideceth-12		1						safe for cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Trideceth-15		1						safe for cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Trideceth-18		1						safe for cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Trideceth-2		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-20		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-21		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-2 carboxamide 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
Trideceth-3		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-4		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-5		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-50		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-6		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-7		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-8		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Trideceth-9		1						safe for cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Tridecyl Behenate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl 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 06/13 available from CIR
Tridecyl Erucate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl Isononanoate		1					9%	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl Laurate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl Myristate		1					not in use at the time*	safe for use in cosmetics when formulated to be non-irritating		IJT 29(S3) :162-186,2010; Final report 03/2013 available from CIR
Tridecyl Neopentanoate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl 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
Tridecyl Stearate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Tridecyl Trimellitate		1						safe when formulated to be non-irritating		Final report 09/2015 available from CIR
Triethanolamine		1						safe for use in rinse-off products; but 5% in leave-on cosmetic products; and should not be used in products containing N-nitrosating agents		JACT 2(7):183-235, 1983; IJT 32(S1): 59-81, 2013
Triethylene 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
Triethylhexyl Trimellitate		1						safe when formulated to be non-irritating		Final report 09/2015 available from CIR
Trifluoropropyldimethyl/trimethylsiloxysilicate		1						safe when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract		IJT 31(S1):5-24 (2013)
Triisodecyl Trimellitate		1						safe when formulated to be non-irritating		Final report 09/2015 available from CIR
Triisopropanolamine		1						safe for use in cosmetic products; but should not be		JACT 6(1):53-76, 1987 confirmed

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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), 2006
Triisostearoyl Polyglyceryl-3 Dimer Dilinoleate		1						safe when formulated to be non-irritating		Final report 09/2016
Triisotridecyl trimellitate		1						safe when formulated to be non-irritating		Final report 09/2015 available from CIR
Trilauryl phosphate		1					not in current use*			Final report 09/2014 available from CIR
Trimagnesium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Trimethylolpropane Trimethacrylate		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
Trimethylsiloxysilicate		1						safe when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract		IJT 31(S1):5-24 (2013)
Trioleyl phosphate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Trisodium Phosphate		1						safe when formulated to be non-irritating		Final report 09/2016
Tristearyl phosphate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 09/2014 available from CIR
Undeceth-11		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undeceth-3		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undeceth-40		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undeceth-5		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undeceth-7		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)
Undeceth-8		1						safe for use in cosmetics when formulated to be non- irritating		IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	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	
Vinyl Caprolactam/PVP/ Dimethylaminoethyl Methacrylate Copolymer		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
Watermelon seed oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Watermelon Seed Oil Polyglyceryl-10 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Watermelon Seed Oil Polyglyceryl-6 Esters *		1						safe when formulated to be non-irritating		Final report 09/2016
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, 2013
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, 2012
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 06/2014 available from CIR
Wheat Germ Oil PEG-40 Butyloctanol Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Wheat Germ Oil PEG-8 Esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
Ximenia Americana Seed Oil Polyglyceryl-6 Esters*		1						safe when formulated to be non-irritating		Final report 09/2016
Zinc Coceth Sulfate		1						safe in the present practices of use and concentration when formulated to be non-irritating		IJT 29(S3) :151-161,2010
Zinc lauroyl aspartate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		Final report 12/2013 available for CIR

† 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