

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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	Final amended report 03/12 available from CIR; JACT 12(3):225-36, 1993 (original report); IJT

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	S	SQ	I	Z	U	UNS			
							products in which N-nitroso compounds may be formed	30(Suppl. 2):73-127, 2011 (re-review)	
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
Acid Violet 43		1						safe for use in hair dye formulations when free of impurities except for the following: <=18% volatile matter (at 135 degrees C) and chlorides and sulfates (calculated as sodium salts); <=0.4% water-insoluble matter; <=0.2% 1-hydroxy-9,10-anthracenedione; <=0.2% 1,4-dihydroxy-9,10-anthracenedione; <=0.1% p-toluidine; <=0.2% p-toluidine sulfonic acids, sodium salts; <=1% subsidiary	IJT 20(S3):1-6, 2001

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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 colors; <=20 ppm lead (as Pb); <=3 ppm arsenic (as As); <=1 ppm mercury (as Hg); and >80% total color.	Safety concern for U or UNS conclusion
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
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						safe in the present practices of use and concentration when not polymerized in benzene	Final report 11/2011 available from CIR
Acrylates Copolymer		1						safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002

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	S	SQ	I	Z	U	UNS		
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
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 DEA do not exceed those considered safe in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013
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 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 Barbadosensis 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 Barbadosensis Leaf		1					safe as cosmetic ingredients in the practices of use and concentrations as	IJT 26(S2):1- 50, 2007

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	S	SQ	I	Z	U	UNS		
							described in this safety assessment, if anthraquinone levels in the ingredients do not exceed 50 ppm.	
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 assessment, if anthraquinone levels in the ingredients do not exceed 50 ppm.	IJT 26(S2):1-50, 2007
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 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 Cocoyl Isethionate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 09/2013 available from CIR

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	S	SQ	I	Z	U	UNS		
Ammonium Cocoyl Sarcosinate		1					safe as used in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
Ammonium Dinonyl Sulfosuccinate		1					not in current use*	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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	IJT 17(S1):1-242, 1998
Ammonium Lactate		1					safe for use in cosmetic products at concentrations <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied	IJT 17(S1):1-242, 1998

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	
Ammonium Lauroyl Sarcosinate		1					safe as used in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
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 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)
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

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	S	SQ	I	Z	U	UNS		
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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 Propylene Glycol Esters*		1					safe when formulated to be non-irritating	Final report 12/2014 available from CIR
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

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	S	SQ	I	Z	U	UNS		
Argan oil PEG-8 esters		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
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
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
Avocamide 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 in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013

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	S	SQ	I	Z	U	UNS		
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 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	Final amended report 03/12 available from CIR
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 considered safe in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013
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	Final amended report 03/12 available from CIR
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

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	S	SQ	I	Z	U	UNS		
Babussamidopropyl 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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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 products in which N-nitroso compounds may be formed	Final amended report 03/12 available from CIR
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)

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	S	SQ	I	Z	U	UNS		
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
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 Oliviate		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
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
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

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	S	SQ	I	Z	U	UNS		
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
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
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	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 <=10%, at final formulation pH >=3.5, when formulated to avoid increasing sun sensitivity or when directions	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		
							for use include the daily use of sun protection. These ingredients are safe for use in salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	
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
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

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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 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)
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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, directions for use include the daily use of sun protection.	IJT 22(3):1-108
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
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	Final amended report 03/12 available from CIR

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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		
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)
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
C8-10 alkyl ethyl phosphate		1					not in current use *	Final report 09/2014 available from CIR
C8-22 Alkyl Acrylates/Methacrylic Acid Crosspolymer		1					safe for use in cosmetics when formulated to be non-irritating	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)
C9-16 isoparaffin		1					safe when formulated to be non- irritating	IJT 31(S3): 269-295 (2012)
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 <=10%, at final formulation pH >=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 salon products at	IJT 17(S1):1-242, 1998

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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 Lactate		1						concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	IJT 17(S1):1-242, 1998
Calcium PCA		1						Glycolic and Lactic Acid, their common salts and their simple esters, are safe for use in cosmetic products at concentrations <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	Final report 12/2014 available from CIR
Calcium Salicylate		1						safe as used; should not be used in cosmetic products in which N-nitroso compounds can be formed	IJT 22(3):1-108
Calcium Thioglycolate		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 28(S3):68-133, 2009
								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	

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							concentrations up to 15.2%; hairdressers should avoid skin contact and minimize consumer skin exposure; safe for use in depilatories when formulated to be non-irritating under conditions of recommended use.	
Camellia Sinensis Catechins		1					not in current use *	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
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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
Castor oil phosphate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Ceteareth-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)
Ceteareth-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)
Ceteareth-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)
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)
Cetearyltrimonium 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

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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	
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; 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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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)

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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 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	
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is	IJT 17(S1):1-242, 1998 JACT 1(2):97-107, 1982 (Original Report)	

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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	
									accompanied by directions for the daily use of sun protection.	
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
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) flower		1							safe for use in cosmetics when formulated to be non-sensitizing	Final report 12/2013 available from CIR
Chamomilla recutita (matricaria) flower extract		1							safe for use in cosmetics when formulated to be non-sensitizing	Final report 12/2013 available from CIR
Chamomilla recutita (matricaria) flower oil		1							safe for use in cosmetics when formulated to be non-sensitizing	Final report 12/2013 available from CIR
Chamomilla recutita (matricaria) flower powder		1							safe for use in cosmetics when formulated to be non-sensitizing	Final report 12/2013 available from CIR
Chamomilla recutita (matricaria) flower water		1							safe for use in cosmetics when formulated to be non-sensitizing	Final report 12/2013 available from CIR

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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	
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) 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-methoxyypsoralen (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) 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-methoxyypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR
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 more than 0.0015% (15 ppm) 5-methoxyypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.		Final report 09/2014 available from CIR

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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 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 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 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 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 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 Limon (Lemon) Peel Oil		1						safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain	Final report 09/2014 available from CIR	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							more than 0.0015% (15 ppm) 5-methoxy-psoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	
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-methoxy-psoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
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-methoxy-psoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
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-methoxy-psoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 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-methoxy-psoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
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-methoxy-psoralen (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		
Cocamide DEA (Amended)		1					formulated to be non-sensitizing and non-irritating. 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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR; IJT 18(2):9-16, 1999 (original report)
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	Final amended report 03/12 available from CIR; 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	Final amended report 03/12 available from CIR
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,	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
								which may be based on a quantitative risk assessment	
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)
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
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/Caprates		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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Coco-Rapeseedate		1					not in current use*	Final report 03/2013 available from CIR
Cocotrimonium chloride		1					safe for use in cosmetics 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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
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 in which N-nitroso compounds may be formed	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 in which N-nitroso compounds may be formed	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	IJT 20(S2):21-29, 2001

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							on gossypol, heavy metals, and pesticide concentrations are not exceeded	
Cupuassuamidopropyl 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
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	Final report 09/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds can be formed	
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
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	Final report 09/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds can be formed	
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
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

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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	
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)
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
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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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 12/04 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
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,	Final report 06/2014 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							which may be based on a quantitative risk assessment	
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 Thioldipropionate		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
Dioleoyl Phosphate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
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 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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 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 malyl 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 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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Ethylene/Acrylic Acid/VA Copolymer		1					safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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
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 Oliviate		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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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); hairdressers should avoid skin contact and minimize consumer skin exposure	IJT 28(S3):68-133, 2009
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 methylene glycol; safe in the present practices of use and concentration in nail hardening products --- unsafe in the present practices of use and concentration in hair smoothing products	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					<=64 ppm of the free acid	IJT 16(S3):221-34, 1997; Final report 01/2014 available from CIR
Glutaral		1					< 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 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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 high enough to induce epidermal hyperplasia	IJT 26(S3):1-30, 2007
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 high enough to induce epidermal hyperplasia	IJT 26(S3):1-30, 2007
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 high enough to induce epidermal hyperplasia	IJT 26(S3):1-30, 2007
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	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		
							skin contact and minimize consumer skin exposure	
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 use in cosmetic products at concentrations <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	IJT 17(S1):1-242, 1998
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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Hexyldeacyl laurate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Hexyldeacyl oleate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Hexyldeacyl palmitate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Hexyldeacyl 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
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)

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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/pesticide contamination 40ppm with 10ppm for any specific residue	IJT 20(S2):57-64, 2001
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 Lecithin		1					safe as used in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):21-45, 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

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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	
Hydrogenated Palmtrimonium chloride		1						safe when formulated to be non-irritating		IJT 31(S3): 296-341 (2012)
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed		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 Oat Flour		1						safe when formulated to be non-sensitizing		Final report 12/2014 available from CIR
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	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

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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	
Hydroxycetyl isostearate		1					not in current use*	a polymerization inhibitor, that are cured by LED light. 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 products in which N-nitroso compounds may be formed	Final amended report 03/12 available from CIR	
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	IJT 24(S5):53-100, 2005	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							because of the sensitizing potential of methacrylates	
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
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

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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	
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; 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

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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	
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	
Isoodecane		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	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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/Caprates		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 consumer skin exposure	IJT 28(S3):68-133, 2009	
Isopropanolamine		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	
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	IJT 24(S5):53-100, 2005	

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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	
									to avoid skin contact because of the sensitizing potential of methacrylates	
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.		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
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;

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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 Ricinoleate		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		final report 03/2013 available from CIR 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 in which N-nitroso compounds may be formed		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 not be used in cosmetic products in which N-nitroso compounds may be formed		Final amended report 03/12 available from CIR
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		Final report 06/2014 available from CIR

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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	
								to be non-sensitizing, which may be based on a quantitative risk assessment		
Isosteamidopropyl 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 Avocadate		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
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

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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 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 non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed		Final amended report 03/11 available from CIR
Lactic Acid		1						safe for use in cosmetic products at concentrations <=10% , at final formulation pH >=3.5, when formulated to avoid increasing sun sensitivity or when directions		IJT 17(S1):1-242, 1998

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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	
								for use include the daily use of sun protection. These ingredients are safe for use in salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.		
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)	
Laneth-60		1						safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 in which N-nitroso compounds may be formed	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 in which N-nitroso compounds may be formed	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	JACT 5(5):415-54, 1986 (original report); IJT 32 (S1):36-58, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds may be formed	
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	Final amended report 03/12 available from CIR
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)

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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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.		IJT 20(S1):1-14, 2001
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 Cocoate (amended)		1					not in current use*	safe for use in cosmetics when formulated to be non-irritating		IJT 30(S1):5S-16S; final report 03/2013 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

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	
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 because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005	
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	
Lecithin		1						safe as used in rinse-off products; but 15% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):21-45, 2001	
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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
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 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 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 Oleth Sulfate		1					safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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 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
Mango Seed Oil PEG-70 esters		1						safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
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	Final amended report 03/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds may be formed	
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
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	Final amended report 03/12 available from

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							(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 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.	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 products in which N-nitroso compounds may be formed	Final amended report 03/12 available from CIR
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Mentha Piperita (Peppermint) Oil		1					safe as used, except that the concentration of pulegone should not exceed 1%	IJT 20(S3):61-73, 2001
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)
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

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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	
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 methylene glycol; safe in the present practices of use and concentration in nail hardening products --- unsafe in the present practices of use and concentration in hair smoothing products		IJT 32(S4):5-32, 2013
Methyl Glycolate		1						safe for use in cosmetic products at concentrations <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.		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		IJT 29 (S3): 187-213, 2010; Final report

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products when formulated to be non-sensitizing which may be determined based on a quantitative risk assessment (QRA).	09/2014 available from CIR
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	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
Milkamidopropyl betaine		1					safe for use in cosmetics when formulated to be	IJT 31(S1):77-111, 2012

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							non-sensitizing, which may be based on a quantitative risk assessment	
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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)
Myreth-3		1					safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
Nonoxynol-1		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999
Nonoxynol-2		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report)
Nonoxynol-3		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999
Nonoxynol-4		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report)
Nonoxynol-5		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999
Nonoxynol-6		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999
Nonoxynol-7		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999
Nonoxynol-8 (Amended)		1					safe as used in rinse-offs; safe at 5% in leave-ons	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report)
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
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	Final amended report 03/12 available from CIR

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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	
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	
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	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
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
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;

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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
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 Oliviate		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 in which N-nitroso compounds may be formed		JACT 5(5):415-454, 1986 (original report); IJT 32 (S1):36-58, 2013
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		Final amended report 03/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds may be formed	
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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation Use concentration for S conclusion	Concentration or other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	Journal Citation
	S	SQ	I	Z	U	UNS				
Olive Oil PEG-8 esters		1					safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014	
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed		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		Final amended report 03/12 available from CIR	
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed		IJT 32(S1):36-58, 2013	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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	Final amended report 09/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	
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	Final amended report 03/12 available from CIR
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 Oil PEG-8 esters		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Pamitoyl ethyltrimonium methosulfate		1					safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Pantothenamide 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	Final amended report 03/12 available from CIR
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	Final amended report 03/12 available from CIR

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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	
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	
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	

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 Laurate		1					up to 25%	IJT 19(S2):29-41, 2000
PEG-10 Olive Glycerides		1					safe when formulated to be non-irritating	Final report 12/2014 available from CIR
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-12 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
PEG-12 Laurate		1					up to 25%	IJT 19(S2):29-41, 2000
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
PEG-14 Laurate		1					up to 25%	IJT 19(S2):29-41, 2000
PEG-150 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
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 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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
PEG-15 Jojoba Alcohol		1					safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
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 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-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-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 Corn Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 available from CIR
PEG-20 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
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 Laurate		1					up to 25%	IJT 19(S2):29-41, 2000

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
PEG-20 Tsubakiate Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 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
PEG-25 Moringa Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 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 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
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 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 Olive Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 available from CIR
PEG-2 Sunflower Glycerides*		1					safe when formulated to be non-irritating	Final report 12/2014 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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
PEG-32 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
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 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-40 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
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 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-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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
PEG-44 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
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 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
PEG-4 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
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-50 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		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-54 castor oil		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 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 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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
PEG-60 Shea Butter Glycerides		1					safe when formulated to be non- irritating	Final report 12/2014 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 Dilaurate		1					up to 25%	IJT 19(S2):29-41, 2000
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 Olive Glycerides*		1					safe when formulated to be non- irritating	Final report 12/2014 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					up to 25%	IJT 19(S2):29-41, 2000
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 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

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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
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-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-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 Dilaurate		1						up to 25%		IJT 19(S2):29-41, 2000
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 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-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

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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-9 Laurate		1						up to 25%		IJT 19(S2):29-41, 2000
PEG-Cetyl Stearyl Diether		1						safe for use in cosmetics when formulated to be non-irritating		IJT 31(S2):169-244 (2012)
Phenethyl Alcohol		1						up to 1%		JACT 9(2):165-83, 1990 confirmed 08/06
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
Plamitamide 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		Final amended report 03/12 available from CIR
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
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)
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)

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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-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)
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 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 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
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

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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 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 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 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
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 Polyacrylate		1						safe for use when formulated to avoid irritation		IJT 21(S3):1-50, 2002
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 Thioglycolate		1						safe for use in hair straighteners permanent waves, tonics, dressings, and		IJT 28(S3):68-133, 2009

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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 undecylenoyl glutamate		1					not in current use*	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 exposure; safe for use in depilatories when formulated to be non-irritating under conditions of recommended use.		Final report 12/2013 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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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
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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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
PPG-17		1						safe when formulated to be non-irritating		JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-17 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
PPG-18 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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

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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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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
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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
PPG-2 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001

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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 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-Cetareth-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
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

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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-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
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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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-38 Steareth-6		1					not in current use*	safe when formulated to be non-irritating		Final report 09/2013 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

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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-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
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-4 Butyl Ether		1						safe when formulated to be non- irritating		IJT 20(S4):39-52, 2001
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-Cetareth-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

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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-5		1						safe when formulated to be non-irritating		Final report 09/2013 Available from CIR
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
PPG-53 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
PPG-5 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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
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

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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 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-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 Butyl Ether		1						safe when formulated to be non-irritating		IJT 20(S4):39-52, 2001
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
Propylene Glycol Behenate*		1						safe when formulated to be non-irritating		Final report 12/2014 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

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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 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 Dicoate*		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 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

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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 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
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 <=10%, at final formulation pH >=3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection.		IJT 17(S1):1-242, 1998

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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
								These ingredients are safe for use in salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	
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
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
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-26		1						should not be used in products in which N-nitroso compounds may be formed	IJT 19(S1):69-75, 2000
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
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	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		
							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 in which N-nitroso compounds may be formed	
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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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
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
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
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 in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013
Sesamidopropyl betaine		1					safe for use in cosmetics when formulated to be non-sensitizing, which	IJT 31(S1):77-111, 2012

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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
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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
sodium/TEA-undecylenoyl collagen amino acids		1					not in current use*	Final report 12/2013 available from CIR
Sodium Acrylates/Acrolein Copolymer		1					safe for use when formulated to be non-irritating	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
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	IJT 17(S5):39-66, 1998

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation	
	S	SQ	I	Z	U	UNS			
							alkane sultones, 1 ppm for chlorosultones, and 0.1 ppm for unsaturated sultones		
Sodium C14-18 Olefin Sulfonate		1					safe as used in rinse off 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 prolinatate		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/palmyl/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
Sodium cocoyl glutamate		1						safe for use in cosmetics when formulated to be non-irritating	Final report 12/2013 available from CIR
Sodium cocoyl glutaminatate		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

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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 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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.		IJT 20(S1):1-14, 2001
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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0,		IJT 17(S1):1-242, 1998

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	
Sodium Hexametaphosphate		1					safe for use when formulated to avoid skin irritation	IJT 20(S3):75-89, 2001
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 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 <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	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

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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 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
Sodium Lauroyl Sarcosinate		1						safe as used in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.		IJT 20(S1):1-14, 2001
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 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 for use when formulated to avoid skin irritation		IJT 20(S3):75-89, 2001
Sodium Metasilicate		1					up to 14%	safe for use when formulated to avoid skin irritation		IJT 24(S1):103-117, 2005
Sodium Methyl Isethionate		1						safe for use in cosmetics when formulated to be non-irritating		Final report 09/2013 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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Sodium Myristoyl Sarcosinate		1					safe as used in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
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 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 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 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
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

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 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 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					up to 1% in leave-on formulations	IJT 19(S1):77-87, 2000
Sodium 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 exposure; safe for use in depilatories when formulated to be non-irritating under conditions of recommended use.	IJT 28(S3):68-133, 2009
Sodium Tridecylbenzenesulfonate		1					safe as cosmetic ingredients in the present practices of	IJT 29(S4):288-305, 2010

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							use and concentration when formulated to be non-irritating	
Sodium Trimetaphosphate		1					safe for use when formulated to avoid skin irritation	IJT 20(S3):75-89, 2001
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
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 considered safe int the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 32(S1):36-58, 2013
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 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)
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 in which N-nitroso compounds may be formed	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		
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	Final amended report 03/12 available from CIR
Stearamidopropyl 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
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)

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-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)	
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)	

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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	
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 in rinse-off products; but 5% in leave-on products. Should not be used in products where N-nitroso compounds may be formed. Insufficient data to determine safety in products where these ingredients are likely to be inhaled.	IJT 20(S1):1-14, 2001
Stearammonium Bromide		1						safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearammonium 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)
Stearammonium 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 Olivatate		1					concentration not reported*	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2): 141-146, 2012; final report

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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	
										03/2013 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
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		Final amended report 03/12 available from CIR
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
Sweet almond oil PEG-8 esters		1						safe for use in cosmetics when formulated to be non-irritating		IJT 33(S4):13-39, 2014
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed		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		Final report 06/2014 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							may be based on a quantitative risk assessment	
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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 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-nitroso compounds can be found.	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-nitroso compounds can be found.	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	IJT 32(S1): 59-81, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitroso compounds can be found.	IJT 32(S1): 59-81, 2013
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-nitroso compounds can be found.	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-nitroso compounds can be found.	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-nitroso compounds can be found.	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	IJT 32(S1): 59-81, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							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-nitroso compounds can be found.	
TEA-Cocoate		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-nitroso compounds can be found.	IJT 32(S1): 59-81, 2013
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-nitroso compounds can be found.	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 glutamine		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	IJT 32(S1): 59-81, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds can be found.	
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-nitroso compounds can be found.	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 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-nitroso compounds can be found.	IJT 32(S1): 59-81, 2013
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-nitroso compounds can be found.	IJT 32(S1): 59-81, 2013
TEA-Lactate		1					when used as an AHA ingredient, safe for use at concentrations <=10%, at final formulation pH >=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 salon products at concentrations <=30%, at final formulation pH >=3.0,	IJT 17(S1):1-242, 1998; IJT 32(S1): 59-81, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							<p>in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.</p> <p>When used otherwise, safe when formulated to be non-irritating, except that this ingredient should not be used in cosmetic products in which N-nitroso compounds can be formed.</p>	
TEA-Laurate		1					<p>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-nitroso compounds can be found.</p>	IJT 32(S1): 59-81, 2013
TEA-Laurate/Myristate		1				not in current use*	<p>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-nitroso compounds can be found.</p>	IJT 32(S1): 59-81, 2013
TEA-Laureth Sulfate		1					<p>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-nitroso compounds can be found.</p>	IJT 32(S1): 59-81, 2013

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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	
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-nitroso compounds can be found.		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-nitroso compounds can be found.		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 of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitroso compounds can be found.		IJT 32(S1): 59-81, 2013
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		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		
							of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitroso compounds can be found.	
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-nitroso compounds can be found.	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-nitroso compounds can be found.	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 exceed the present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic	IJT 32(S1): 59-81, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds can be found.	
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-nitroso compounds can be found.	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-nitroso compounds can be found.	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 because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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 exposure; safe for use in depilatories when formulated to be non-irritating under conditions of recommended use.	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
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
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)
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	Final amended report 03/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							products in which N-nitroso compounds may be formed	
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
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,	IJT 22(3):1-108

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
							or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.	
Tridecyl Stearate		1					safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 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
Trifluoropropyl dimethyl/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)
Triisopropanolamine		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
Trilauryl phosphate		1					not in current use*	Final report 09/2014 available from CIR
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
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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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)
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 in which N-nitroso compounds may be formed	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	Final amended report 03/12 available from CIR
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)

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
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
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
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 in the CIR safety assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds may be formed	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

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Ingredient Name or Group Name	Review Conclusion****						Explanation	Journal Citation
	S	SQ	I	Z	U	UNS		
Wheat Germ Oil PEG-8 Esters		1					safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
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

* 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