

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
2,4-Diaminophenol	SQ	0.2% as the free base	JACT13(5):330-43, 1994 confirmed 06/09
2,4-Diaminophenol HCl (aka 2,4-Diaminophenol Dihydrochloride)	SQ	0.2% as the free base	JACT 13(5):330-43, 1994 confirmed 06/09
2-Amino-4-hydroxyethylaminoanisole	SQ	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	SQ	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	SQ	2% in hair dyes	IJT 16(S1):131-43,1997
2-Amino-6-Chloro-4-Nitrophenol HCl	SQ	2% in hair dyes	IJT 16(S1):131-43,1997
2-Bromo-2-Nitropropane-1,3-Diol	SQ	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	SQ	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
4-Chloro-2-Aminophenol	SQ:Z	as used in oxidative hair dyes available data are insufficient to support the safety in non-oxidative hair dyes	IJT 23(S2):1-22, 2004
5-Bromo-5-Nitro-1,3-Dioxane	SQ	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- <i>o</i> -Cresol	SQ	safe as used 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
AMP-Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acetamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015; JACT 12(3):225-36, 1993 (original report); IJT 30(S2):73-127, 2011 (re-review)
Acetyl Arginine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Carnitine	SQ	safe when formulated to be non-irritating	IJT 31(S3):296-341, 2012
Acetyl Carnitine HCl	SQ	safe when formulated to be non-irritating	IJT 31(S3):296-341, 2012
Acetyl Cysteine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Glutamine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Histidine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Methionine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Proline	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetyl Tyrosine	SQ	safe for use for cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Achillea Millefolium Extract	SQ	safe for use when formulated to be non-sensitizing	IJT 20(S2):79-84, 2001; IJT 35(Suppl. 3):5-15, 2016
Achillea Millefolium Flower Extract	SQ	safe for use when formulated to be non-sensitizing	IJT 35(Suppl. 3):5-15, 2016
Achillea Millefolium Flower/Leaf/Stem Extract	SQ	safe for use when formulated to be non-sensitizing	IJT 35(Suppl. 3):5-15, 2016
Acid Orange 3	SQ	0.2% in hair dyes	IJT 19(S1):1-9, 2000
Acrylamide/Ethyltrimonium Chloride Acrylate/Ethalkonium Chloride Acrylate Copolymer	SQ	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	SQ	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	SQ	safe in the present practices of use and concentration, when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017

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Acrylates/Ammonium Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	SQ;UNS	safe in the present practices of use and concentration when polymerized in benzenedata does not support use when polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/C12-13 Alkyl Methacrylates/Methoxyethyl Acrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/Ethylhexyl Acrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/Ethylhexyl Acrylate/Glycidyl Methacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/Hydroxyesters Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/PEG-4 Dimethacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/PVP Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/Stearth-20 Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/Stearth-20 Methacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/Stearth-50 Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/VA Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/Vinyl Isodecanoate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Acrylates/Vinyl Neodecanoate Crosspolymer	SQ		IJT 36(Suppl 2):59-88, 2017
Adansonia Digitata Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Adansonia Digitata Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer	SQ	safe in nail product formulations	Final report 09/2016
Allyl Methacrylate/Glycol Dimethacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Allyl Methacrylates Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Almond Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Almond Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Almond Oil Propylene Glycol Esters	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Almond Oil/Polyglyceryl-10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Almondamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Almondamidopropyl Betaine	SQ	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	SQ	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
Aloe Barbadosis Flower Extract	SQ	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 Barbadosis Leaf	SQ	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

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Aloe Barbadensis Leaf Extract	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe as used provided that established limitations imposed on heavy metal concentrations are not exceeded	IJT 21(S1):1-7, 2002
Ammonia	SQ	as used in hair dyes and colors and in cosmetics applied directly to the skin in the present practices of use and concentration described in the safety assessment when formulated to be non-irritating	Final report 12/2017 available from CIR
Ammonium Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ammonium Bicarbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Ammonium C12-15 Pareth Sulfate	SQ	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,	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(Suppl. 3) :151-161,2010
Ammonium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Ammonium Cocoyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Ammonium Cocoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Ammonium Dinonyl Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Ammonium Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Ammonium Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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 Hydroxide	SQ	as used in hair dyes and colors and in cosmetics applied directly to the skin in the present practices of use and concentration described in the safety assessment when formulated to be non-irritating	Final report 12/2017 available from CIR
Ammonium Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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

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Ingredient Name	Finding†	Detail	Citation‡
Ammonium Lauroyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Ammonium Lauryl Sulfate	S;SQ	for use in rinse-off products for products intended for prolonged contact with the skin, concentrations should not exceed 1%	JACT 2(7):127-81, 1983 confirmed 06/02 IJT 24(S1):89-98, 2005
Ammonium Myreth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Ammonium Persulfate	SQ;I	as oxidizing agents in hair colorants and hair lighteners designed for brief discontinuous use followed by thorough rinsing from the hair and skin; the available data are insufficient for determining the safety of these persulfates in leave-on products and dentifrices	IJT 20(S3):7-21, 2001;Final report 12/2017 available from CIR
Ammonium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Ammonium Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ammonium Styrene/Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ammonium Thioglycolate	SQ	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	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Anthemis Nobilis Flower Extract	SQ	safe for use in cosmetics when formulated to be non-sensitizing	IJT 36(Suppl. 1):57-66, 2017
Anthemis Nobilis Flower Oil	SQ	safe for use in cosmetics when formulated to be non-sensitizing	IJT 36(Suppl. 1):57-66, 2017
Anthemis Nobilis Flower Powder	SQ	safe for use in cosmetics when formulated to be non-sensitizing	IJT 36(Suppl. 1):57-66, 2017
Anthemis Nobilis Flower Water	SQ	safe for use in cosmetics when formulated to be non-sensitizing	IJT 36(Suppl. 1):57-66, 2017
Apricot Kernel Oil PEG-40 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Apricot Kernel Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Apricot Kernel Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Apricot Kernel Oil Polyglyceryl-10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Apricot Kernel Oil Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Apricot Kernel Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Apricot Kernel Oil Polyglyceryl-5 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Apricot Kernel Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Apricot Kernel Oil Propylene Glycol Esters	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Apricotamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Apricotamidopropyl Betaine	SQ	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
Arachideth-20	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Arachidyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Arachidyl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Arachidyl Glucoside	SQ	safe in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Arachidyl Propionate	SQ	safe in cosmetics as long as they are formulated to be non-irritating	JACT 9(2):143-52, 1990 confirmed 06/06; IJT 34(Suppl.2):5-69, 2015
Argan Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Argan Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Astrocaryum Vulgare Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Avena Sativa (Oat) Bran	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Bran Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Flower/Leaf/stem Juice	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Kernel Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Kernel Flour	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Kernel Meal	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Kernel Protein	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Leaf Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Leaf/stalk Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Leaf/stem Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Meal Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Peptide	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Protein Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Seed Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Seed Water	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Sprout Oil	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avena Sativa (Oat) Straw Extract	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Avocamide DEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating and when the levels of free	IJT 32(S1):36-58, 2013

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		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 can be formed	
Avocadamidopropyl Betaine	SQ	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
Avocadamidopropyl Dimethylamine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Avocado Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Avocado Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Avocado Oil Propylene Glycol Esters	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Azelamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Babassu Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Babassu Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Babassuamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Babassuamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Babassuamidopropyl Betaine	SQ	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
Babassuamidopropyl Dimethylamine	SQ	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	SQ	safe in cosmetics as long as they are formulated to be non-irritating	Final report 06/2014 available from CIR
Batyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Batyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Behenamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Behenamidopropyl Betaine	SQ	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	SQ	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	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Beheneth-15	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Beheneth-2	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Beheneth-20	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Beheneth-25	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Beheneth-30	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Beheneth-5	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Behentrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Behentrimonium Methosulfate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Behenyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenyl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Behenyl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Behenyl/Isostearyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Benzalkonium Chloride	SQ	0.1% free active ingredient	JACT 8(4):589-625, 1989 confirmed 06/06
Benzalkonium Montmorillonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Benzalkonium Sepiolite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Benzethonium Chloride	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Bertholletia Excelsa Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Borage Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Borage Seed Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Borage Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Boric Acid	SQ	5%; but not safe for use on infant or injured skin	JACT 2(7):87-125, 1983 confirmed 06/03
Brassicamidopropyl Dimethylamine	SQ	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
Buteth-3	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Butoxyethanol	SQ	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	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Butyl Avocadate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyl Babassuate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Butyl Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 3.0, in products designed for brief, discontinuous use followed by thorough rinsing from the skin, when	IJT 17(S1):1-242, 1998

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	
<i>t</i> -Butyl Hydroquinone (now TBHQ)	SQ	0.1%	JACT 10(1):1-7, 1991 JACT 5(5):329-51, 1986 (Original report)
Butyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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 Methacrylate	SQ	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
<i>t</i> -Butyl Methacrylate	SQ	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	SQ	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; IJT 34(Suppl.2):5-69, 2015
Butyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyl Thioglycolate	SQ	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
Butyloctyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Candelillate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Cetearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Butyloctyl Salicylate	SQ	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
Butyrospermum Parkii (Shea) Butter	SQ	safe when formulated to be non-sensitizing	IJT 36(Suppl. 3):51-129, 2017; Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Butter Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Butter Unsaponifiables	SQ	safe when formulated to be non-sensitizing	IJT 36(Suppl. 3):51-129, 2017; Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Nut Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Nut Shell Powder	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Oil	SQ	safe when formulated to be non-sensitizing	IJT 36(Suppl. 3):51-129, 2017; Final report 09/2017 available from CIR
Butyrospermum Parkii (Shea) Seedcake Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
C10-11 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C10-12 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C10-13 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
C10-16 Alkyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
C10-16 Pareth-1	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C10-16 Pareth-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C10-40 Isoalkyl Acid Octododecanol Esters	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C11-12 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C11-13 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C11-13 Pareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-13 Pareth-6	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-13 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-14 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C11-15 Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-15 Sec-Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C11-21 Pareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C11-21 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Alkyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
C12-13 Pareth-1	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-23	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-4	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-6	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-13 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C12-14 Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-14 Sec-Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-50	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012

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Ingredient Name	Finding†	Detail	Citation‡
C12-14 Sec-Pareth-8	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-14 Sec-Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
C12-15 Alkyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
C12-15 Alkyl Salicylate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-11	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-15 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-16 Pareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-16 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-16 Pareth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C12-18 Alkyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
C12-20 Alkyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
C12-20 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C13-14 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C13-15 Pareth-21	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C13-16 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C14-15 Pareth-11	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-15 Pareth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-15 Pareth-13	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-15 Pareth-4	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-15 Pareth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-15 Pareth-8	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C14-18 Alkyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
C14-30 Alkyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C15-35 Isoparaffin/Isoalkylcycloalkanes	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C16-22 Acid Amide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
C16-36 Alkyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C18-38 Alkyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C18-38 Alkyl C24-54 Acid Ester	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C18-70 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C20-22 Alkyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
C20-22 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
C20-40 Alkyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C20-40 Alkyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C20-40 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C20-40 Pareth-95	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C22-24 Pareth-33	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C30-50 Alkyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C30-50 Alkyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C30-50 Pareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
C30-50 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C30-50 Pareth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C32-36 Isoalkyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C4-5 Isoalkyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C40-60 Alkyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C40-60 Pareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C40-60 Pareth-3 And -10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C7-8 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C8-10 Alkyl Ethyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
C8-22 Alkyl Acrylates/Methacrylic Acid Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
C8-9 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C9-11 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C9-11 Pareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C9-11 Pareth-4	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C9-11 Pareth-6	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C9-11 Pareth-8	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C9-12 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C9-13 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C9-14 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C9-15 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
C9-15 Pareth-8	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
C9-16 Isoparaffin	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
Calcium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Calcium Dihydrogen Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Calcium Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Calcium Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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 Hydroxide	SQ	safe in hair straighteners and depilatories under conditions of recommended use; users should minimize skin contact; all other uses safe when formulated to be non-irritating	Final report 12/2015 available from CIR
Calcium Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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 Lauroyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Calcium PCA	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Calcium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Calcium Potassium Sodium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Calcium Pyrophosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Calcium Salicylate	SQ	safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.	IJT 22(3):1-108
Calcium Thioglycolate	SQ	safe for use in hair straighteners permanent waves, tonics, dressings, and so forth, wave sets, other noncoloring hair products, and hair dyes and colors, at concentrations up to 15.2%; hairdressers should avoid skin contact and minimize consumer skin	IJT 28(S3):68-133, 2009
Camellia Sinensis Catechins	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Leaf	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Leaf Extract	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Leaf Oil	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Leaf Powder	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Leaf Water	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Canolamidopropyl Betaine	SQ	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	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Capryl/Capramidopropyl Betaine	SQ	safe in cosmetics as long as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment	IJT 31(S1):77-111, 2012
Capryleth-4	SQ	safe in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Capryleth-5	SQ	safe in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Caprylic/Capric Glycerides Polyglyceryl-10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Capryloyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Glycine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Gold Of Pleasure Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Keratin Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Pea Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Quinoa Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Capryloyl Salicylic Acid	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Caprylyl Butyrate	SQ	safe in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Caprylyl Caprylate	SQ	safe in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Caprylyl Eicosenoate	SQ	safe in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Caprylyl Glucoside	SQ	safe in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Caprylyl/capryl Glucoside	SQ	safe in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Capsaicin	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Capsicum Annuum Extract	SQ	safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating	IJT 26(S1):3-106, 2007
Capsicum Annuum Fruit Extract	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe in the practices of use and concentration described in the safety assessment, when formulated not to be irritating	IJT 26(S1):3-106, 2007
Carapa Guaianensis Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Carnitine	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Carnitine HCl	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Carnitine Hydroxycitrate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Carnitine PCA	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Carvacrol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Castor Oil Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Castor Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Centella Asiatica Callus Culture	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Flower/Leaf/stem Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Leaf Cell Culture Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Leaf Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Leaf Water	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Meristem Cell Culture	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Meristem Cell Culture Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Centella Asiatica Root Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 06/2015 available from CIR
Ceteareth-10	SQ	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	SQ	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	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-12	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-27	SQ	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	SQ	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	SQ	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	SQ	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	Finding†	Detail	Citation‡
Ceteareth-30	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 18(S3):41-49, 1999; IJT 31(S2):169-244 (2012)
Ceteareth-6	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe in the present practices of use and concentration, when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Cetearyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Cetearyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Cetearyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Cetearyl Nonanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Cetearyl Octanoate (aka Cetearyl Ethylhexanoate)	SQ		JACT 1(4):81-92, 1982 confirmed 06/03 IJT 25(S2), 2006
Cetearyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Palmate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Cetearyl Rice Branate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ceteth-1	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-18	SQ	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	SQ	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	Finding†	Detail	Citation‡
Ceteth-20	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012; IJT 18(2):1-8, 1999 (original report)
Ceteth-6	SQ	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	SQ	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	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-11	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-15	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-18	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-2	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-20	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-22	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-24	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-25	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-30	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-4	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-5	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetoleth-6	SQ	safe as used when formulated to be non- irritating	IJT 31(Suppl. 2):169-244, 2012
Cetrimonium Bromide	SQ	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	SQ	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	SQ	safe as used when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Cetyl Babassuate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Behenate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Betaine	SQ	Safe as used in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Cetyl Caprate	SQ	Safe as used in cosmetics when formulated to be non- irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Caprylate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Dimethyloctanoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Esters	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 16(S1):123-30,1997; IJT 34(Suppl.2):5-69, 2015
Cetyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Cetyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015

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Ingredient Name	Finding†	Detail	Citation‡
Cetyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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)
Cetyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Cetyl Myristoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetyl Palmitate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Cetyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Cetyl Ricinoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 26(S3): 31-77, 2007; IJT 34(Suppl.2):5-69, 2015
Cetyl Stearate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Cetyl Tallowate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Chamomilla Recutita (Matricaria) Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Oil	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Powder	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower Water	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf/Stem Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Flower/Leaf/Stem Water	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Leaf Extract	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chamomilla Recutita (Matricaria) Oil	SQ	safe as used when formulated to be non-sensitizing	Final report 12/2013 available from CIR; Final report 06/2016 available from CIR
Chimyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Chimyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Chlorhexidine	SQ	up to .14%	JACT 12(3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Diacetate	SQ	up to .19%	JACT 12 (3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Digluconate	SQ	up to .20%	JACT 12 (3):201-23, 1993 IJT 18(2):69, 1999 (Note)
Chlorhexidine Dihydrochloride	SQ	up to .16%	JACT 12(3):201-23, 1993 IJT 18(2):69, 1999 (Note)
<i>p</i> -Chloro- <i>m</i> -Cresol	SQ	up to 5%	IJT 25 (S1):29-127, 2006 IJT 16(S3):235-68,1997 (Original Report)
Chlorothymol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006

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Ingredient Name	Finding†	Detail	Citation‡
Choline Chloride	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Citrus Aurantifolia (Lime) Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantifolia (Lime) Fruit	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantifolia (Lime) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantifolia (Lime) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantifolia (Lime) Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantifolia (Lime) Leaf Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantifolia (Lime) Peel	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantifolia (Lime) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantifolia (Lime) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantifolia (Lime) Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantifolia (Lime) Seed Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 03/11 available from CIR; Final report 09/2014 available from CIR
Citrus Aurantifolia (Lime)/Citrus Limon (Lemon) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Flower Wax	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Amara (Bitter Orange) Fruit Juice Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Aurantium Amara (Bitter Orange) Peel	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Amara (Bitter Orange) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Amara (Bitter Orange) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Aurantium Amara (Bitter Orange) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Bergamia (Bergamot) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Bergamia (Bergamot) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Cell Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) Leaf Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Bergamia (Bergamot) Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Currassuviensis Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Aurantium Dulcis (Orange) Flower	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Flower Wax	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Dulcis (Orange) Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Dulcis (Orange) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Dulcis (Orange) Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Dulcis (Orange) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Aurantium Dulcis (Orange) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Dulcis (Orange) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Aurantium Dulcis (Orange) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Dulcis (Orange) Peel Wax	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Dulcis (Orange) Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Sinensis (Orange) Fiber	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Aurantium Sinensis Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Aurantium Tachibana Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Australasica Seed Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Clementina Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Clementina Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Clementina Leaf Cell Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Clementina Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Depressa Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Depressa Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Depressa Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Depressa Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Depressa Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Depressa Seed Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Glauca Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Glauca Seed Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Grandis (Grapefruit) Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Grandis (Grapefruit) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Grandis (Grapefruit) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Grandis (Grapefruit) Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Grandis (Grapefruit) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Grandis (Grapefruit) Peel	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Grandis (Grapefruit) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Grandis (Grapefruit) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Grandis (Grapefruit) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Grandis (Grapefruit) Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Grandis (grapefruit) Fruit/peel Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Grandis Peel/Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Grandis/Paradisi Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Hassaku Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Hassaku/Natsudaidai Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Hassaku/Natsudaidai Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating,	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
		provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	
Citrus Hassaku/Natsudaidai Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Hystrix Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Hystrix Leaf Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Iyo Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Iyo Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Iyo Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Iyo Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Iyo Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Jabara Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Jabara Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Jabara Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Jabara Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Japonica Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Junos Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Junos Flower Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Junos Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Junos Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Junos Fruit Oil	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Junos Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Junos Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Junos Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Junos Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Junos Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Junos Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Junos Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Junos Seed Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Limon (Lemon) Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Limon (Lemon) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Fruit Oil	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Juice Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Limon (Lemon) Juice Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Limon (Lemon) Leaf Cell Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Limon (Lemon) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Limon (Lemon) Peel	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Limon (Lemon) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Limon (Lemon) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Limon (Lemon) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Limon (Lemon) Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Limon (Lemon) Peel Wax	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Madurensis Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Madurensis Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Medica Vulgaris Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Medica Vulgaris Peel Oil	SQ	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 Natsudaikai Flower Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Natsudaikai Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Natsudaikai Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Nobilis (Mandarin Orange)	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Nobilis (Mandarin Orange) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Nobilis (Mandarin Orange) Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating,	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
		provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	
Citrus Nobilis (Mandarin Orange) Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Nobilis (Mandarin Orange) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Nobilis (Mandarin Orange) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Nobilis (Mandarin Orange) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Paradisi (Grapefruit) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Paradisi (Grapefruit) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Paradisi (Grapefruit) Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Paradisi (Grapefruit) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Paradisi (Grapefruit) Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Fruit	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Reticulata (Tangerine) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Reticulata (Tangerine) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Reticulata (Tangerine) Leaf Oil	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Leaf Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Reticulata (Tangerine) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Reticulata (Tangerine) Peel Oil	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Reticulata (Tangerine) Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Shunkokan Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Shunkokan Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Sinensis (Orange) Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Sinensis (Orange) Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Sinensis (Orange) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Sphaerocarpa Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Sudachi Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Sudachi Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Sunki Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Sunki Seed Extract	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Sunki Seed Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Tachibana/Reticulata Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tachibana/Reticulata Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Tachibana/Reticulata Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Tamurana Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Tamurana Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Tangelo Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tangelo Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tangelo Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Tangerina (Tangerine) Fruit	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tangerina (Tangerine) Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tangerina (Tangerine) Peel	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Tangerina (Tangerine) Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Tangerina (Tangerine) Peel Oil	SQ	safe for use in cosmetic products when finished products, excluding rinse-off products, do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	Final report 09/2014 available from CIR
Citrus Tankan Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Tankan Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Unshiu Flower Powder	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Unshiu Flower Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Unshiu Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Fruit Juice	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Fruit Juice Ferment Extract Filtrate	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Citrus Unshiu Fruit Oil	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Fruit Powder	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Unshiu Peel Extract	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Unshiu Peel Powder	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Unshiu Peel Water	SQ	when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-MOP.	Final report 09/2016
Citrus Unshiu/Citrus Reticulata/Citrus Iyo Fruit Water	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Citrus Unshiu/Sinensis/Reticulata Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Cocamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Cocamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015; IJT 18(2):9-16, 1999 (original report)
Cocamide Methyl MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015; IJT 18(2):9-16, 1999 (original report)
Cocamidopropyl Betainamide MEA Chloride	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Cocamidopropyl Betaine	SQ	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	SQ	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
Cocamidopropylamine Oxide	SQ	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)
Coceth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Coceth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Coceth-25	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coceth-3	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coceth-5	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coceth-6	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coceth-7	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coceth-8	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Coco-Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Coco-Caprylate	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 34(Suppl.2):5-69, 2015
Coco-Caprylate/Caprate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Coco-Glucoside	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 32 (S3): 22-48, 2013
Coco-Rapeseedate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Coco/Oleamidopropyl Betaine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment	JACT 10(1):33-52, 1991; IJT 31(S1):77-111, 2012
Cocoa Butter Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Coconut Oil PEG-10 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Coconut Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Cocotrimonium Chloride	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Cocotrimonium Methosulfate	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Cocoyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Cocoyl Sarcosine	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Cocoylcholine Methosulfate	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Coffee Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Corn Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Corn Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Cornamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Cornamide/cocamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Cottonseed Glyceride	SQ	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
m-Cresol And o-Cresol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006 (Amended Report)
Cupuassauamidopropyl Betaine	SQ	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	SQ	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
o-Cymen-5-ol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006 JACT 3(3):131-55, 1984 (Original Report)
DEA- Linoleate	SQ	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 36(Suppl 2):89-110, 2017

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Ingredient Name	Finding†	Detail	Citation‡
DEA-C12-13 Alkyl Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-C12-13 Pareth Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-C12-15 Alkyl Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Cetyl Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Cocamphodipropionate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Dodecylbenzenesulfonate	SQ	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; IJT 36(Suppl 2):89-110, 2017
DEA-Isostearate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Laureth Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Lauryl Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Methyl Myristate Sulfonate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Myreth Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Myristate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Myristyl Sulfate	SQ	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 36(Suppl 2):89-110, 2017
DEA-Stearate	SQ	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 36(Suppl 2):89-110, 2017
Deceth-10	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-3	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-5	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-6	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-7	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-8	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Deceth-9	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Decyl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Decyl Castorate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S1):5S-16S; IJT 34(Suppl.2):5-69, 2015

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Ingredient Name	Finding†	Detail	Citation‡
Decyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Decyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Jojobate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Decyl Oleate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Decyltetradeceth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradeceth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradeceth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradeceth-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradeceth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradeceth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Decyltetradecyl Cetearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyltetradecyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Defatted Citrus Unshiu Fruit	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Di-HEMA Trimethylhexyl Dicarbamate	SQ	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
Diammonium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Diamyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Diazolidinyl Urea	SQ	up to 0.5%	JACT 9(2):229- 45, 1990 confirmed 12/06
Dicalcium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Dicalcium Phosphate Dihydrate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Dicapryl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Dicetyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Dicetyl Thiodipropionate	SQ	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	SQ	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; IJT 36(Suppl 2):89-110, 2017
Diethanolamine Bisulfate	SQ	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 36(Suppl 2):89-110, 2017
Diheptyl Sodium Sulfosuccinate	SQ		IJT 35(Suppl. 3):34-46, 2016
Dihexyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Diisobutyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Diisopropanolamine	SQ	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	SQ	safe for use in cosmetic products; but should not be used in products containing -nitrosating agents	JACT 14(3):182-92, 1995 confirmed 12/09
Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Dilauryl Thiodipropionate	SQ	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	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Dimyristyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Dimyristyl Thiodipropionate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Dipalmitoyl Cysteine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Dipotassium Capryloyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Dipotassium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Dipotassium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium C12-14 Pareth-1 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Pareth-2 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Sec-Pareth-12 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Sec-Pareth-3 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Sec-Pareth-5 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Sec-Pareth-7 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-14 Sec-Pareth-9 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium C12-15 Pareth Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Capryloyl Glutamate	SQ	safe for use in cosmetics as long as they are formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Coceth-3 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Deceth-5 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Deceth-6 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Etidronate	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Disodium Hydrogenated Tallow Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Laneth-5 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Laureth Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Laureth-12 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Laureth-6 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Laureth-9 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Disodium Lauroyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Lauryl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Disodium Malyl Tyrosinate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Disodium <i>N</i> -lauroyl aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Oleth-3 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015

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Ingredient Name	Finding†	Detail	Citation‡
Disodium Oleyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Disodium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Disodium Pyrophosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Disodium Stearoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disperse Blue 1	SQ	up to 1%	JACT 14(6):433-51, 1995; confirmed 03/2011
Distearyl Thiodipropionate	SQ	safe for use in cosmetic formulations when formulated to be non-irritating	JACT 11(1):25-41, 1992 (original report); JACT 29 (S3): 137-150, 2010
Ditridecyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Ditridecyl Thiodipropionate	SQ	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	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Erucyl Arachidate	SQ	safe when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Erucyl Erucate	SQ	safe when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Erucyl Oleate	SQ	safe when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethanolamine	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015; JACT 2(7):183-235, 1983 (original report)
Ethanolamine HCl	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015; JACT 2(7):183-235, 1983 (original report)
Ethanolamine Thioglycolate	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Ethyl Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Ethyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Ethyl Methacrylate	SQ	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)

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Ingredient Name	Finding†	Detail	Citation‡
Ethyl Thioglycolate	SQ	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
Ethylene Glycol Dimethacrylate	SQ	safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005
Ethylene/Acrylic Acid Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Acrylic Acid/VA Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Calcium Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Magnesium Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Sodium Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylene/Zinc Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ethylhexyl Adipate/Palmitate/Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl C10-40 Isoalkyl Acidate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S1):5S-16S; IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Ethylhexyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Isopalmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	JACT 1(2):13-35, 1982 confirmed 09/01; IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Pelargonate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 06/10 available from CIR; IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Salicylate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	JACT 4(5):107-46, 1985 confirmed 06/03; IJT 34(Suppl.2):5-69, 2015
Etidronic Acid	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Formaldehyde	S,SQ,U	safe in the present practices of use and concentration in nail-hardening products; 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. However, formaldehyde and methylene glycol are unsafe in the present practices of use and concentration in hair-smoothing products (also known as hair-straightening 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	SQ	less than or equal to 64 ppm of the free acid	IJT 16(S3):221-34, 1997; IJT 35(Suppl. 2):41-54, 2016
Glutaral	SQ	less than 0.5% for rinse-off; insufficient data to support safety in leave-on products; should not be used in products intended to be aerosolized	JACT 15(2):98-139, 1996

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Ingredient Name	Finding†	Detail	Citation‡
Glyceryl Diarachidate	SQ	safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia	IJT 26(S3):1-30, 2007
Glyceryl Dibehenate	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe as cosmetic ingredients in the practices of use and concentration as described in the safety assessment, provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia	IJT 26(S3):1-30, 2007
Glyceryl Dilinoleate	SQ	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	SQ	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 23(S2):55-94, 2004; IJT 26(S3):1-30, 2007
Glyceryl Dioleate	SQ	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	SQ	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	SQ	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	SQ	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	Finding†	Detail	Citation‡
Glyceryl Distearate	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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 JACT 10(1):135-92, 1991 (original report)
Glyceryl/Polyglyceryl-6 Isostearate/Behenate Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Glycol Dimethacrylate/Vinyl Alcohol Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Glycol HEMA-Methacrylate (aka Ethylene Glycol Dimethacrylate)	SQ	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	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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; IJT 36 (S2) 14-58, 2017
Glyoxal	SQ	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	SQ		IJT 20(S2):21-29, 2001
Grape Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
HC Orange No. 1	SQ	safe for use in hair dyes up to 3%	IJT 17(S4):21-38, 1998
HC Red No. 1	SQ	0.5%	JACT 15(4):320-36, 1996; confirmed 06/2011
HC Red No. 3	SQ	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	SQ	up to 3%	JACT 13(3):157-66, 1994 confirmed 12/08
HEMA	SQ	safe in nail enhancement products when skin contact is avoided; products containing this ingredient should	IJT 24(S5):53-100, 2005

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Ingredient Name	Finding†	Detail	Citation‡
		be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates	
HEMA Acetoacetate	SQ	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
Hazel Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Hazelnut Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Heptyl Undecylenate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Heptylundecyl Hydroxystearate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexadecyl D-Glucoside	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Hexamidine	SQ	safe at concentrations less than or equal to 0.1%	IJT 26(S3) 2007
Hexamidine Diisethionate	SQ	safe at concentrations less than or equal to 0.1%	IJT 26(S3) 2007
Hexyl Isostearate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyl Laurate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyl Methacrylate	SQ	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
Hexyldeceth-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32(S2):169-244(2012)
Hexyldeceth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32(S2):169-244(2012)
Hexyldecyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Hexyldecyl Hexyldecanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldecyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldecyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldecyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldecyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldecyl Stearyl	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexyldodecyl Salicylate	SQ	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
Hexyldodecyl/ Octyldodecyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Humulus Lupulus (Hops) Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Humulus Lupulus (Hops) Oil	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Hydrogenated Castor Oil Behenyl Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Castor Oil Cetyl Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Castor Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Hydrogenated Castor Oil Stearyl Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Cottonseed Glyceride	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-60	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Dimer Dilinoleth-80	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Ethylhexyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Ethylhexyl Sesamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Isocetyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydrogenated Isopropyl Jojobate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015

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Ingredient Name	Finding†	Detail	Citation‡
Hydrogenated Laneth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Laneth-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Laneth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Lard	SQ	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	SQ	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	SQ	lead 0.1ppm; arsenic 3ppm; mercury 1ppm; total PCB/pesticide contamination 40ppm with 10ppm for any specific residue	IJT 20(S2):57-64, 2001
Hydrogenated Palm/Palm Kernel Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Hydrogenated Palmtrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Hydrogenated Shea Butter	SQ	safe when formulated to be non-sensitizing	IJT 36(Suppl. 3):51-129, 2017; Final report 09/2017 available from CIR
Hydrogenated Shea Oil	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Hydrogenated Tallow Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Hydrogenated Tallowalkonium Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Hydrogenated Tallowamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Hydrogenated Talloweth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Talloweth-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(3):342-372 (2012)
Hydrogenated Tallowtrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Hydrolyzed Camellia Sinensis Leaf	SQ		Final report 09/2014 available from CIR
Hydrolyzed Citrus Aurantium Dulcis Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Hydrolyzed Oat Flour	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Hydrolyzed Oat Protein	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Hydrolyzed Oats	SQ	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 12/2014 available from CIR
Hydrolyzed Shea Seedcake Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Hydrolyzed Wheat Gluten	SQ	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	SQ	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	SQ;U	safe at concentrations of less than or equal to 1% for cosmetic formulations designed for discontinuous, brief use followed by rinsing from the skin and hair. Hydroquinone is safe for use in nail adhesives and in artificial nail coatings, as a polymerization inhibitor, that are cured by LED light. Hydroquinone is 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	Finding†	Detail	Citation‡
<i>p</i> -Hydroxyanisole	SQ;U	safe for use in nail adhesives and in artificial nail coatings, as a polymerization inhibitor, that are cured by LED light; and 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
Hydroxycetyl Isostearate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydroxyethylmethacrylate Acetoacetate	SQ	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	SQ	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	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Iodopropynyl Butylcarbamate	SQ	safe for use at 0.1%; should not be used in products intended to be aerosolized	IJT 17(S5):1-37, 1998
Isoamyl Laurate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isobornyl Methacrylate	SQ	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	SQ	safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005
Isobutyl Myristate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Isobutyl Palmitate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isobutyl Pelargonate	SQ	safe as used in cosmetics when formulated to be non-irritating	Final report 06/10 available from CIR; IJT 34(Suppl.2):5-69, 2015
Isobutyl Stearate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Isobutyl Tallowate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isoceteth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-12	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isoceteth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244, 2012
Isocetyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isocetyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isocetyl Isodecanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Isocetyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Isocetyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Isocetyl Myristate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Isocetyl Salicylate	SQ	safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased	IJT 22(3):1-108

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Ingredient Name	Finding†	Detail	Citation‡
		sun sensitivity would be expected, directions for use include the daily use of sun protection.	
Isocetyl Stearate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 12/10 available from CIR
Isodeceth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 12/10 available from CIR
Isodeceth-6	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(Suppl. 2):169-244, 2012
Isodecyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S1):5S-16S; IJT 34(Suppl.2):5-69, 2015
Isodecyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Isodecyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isodecyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Isodecyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isodecyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Isodecyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isodecyl Oleate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Isodecyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isodecyl Salicylate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isododecane	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
Isoeicosane	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
Isohexadecane	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
Isohexyl Caprate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isohexyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isohexyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isohexyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isolaureth-10	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isolaureth-3	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isolaureth-6	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isolauryl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isomyreth-3	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isomyreth-9	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isononyl Isononanoate	SQ		IJT 30 (S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Isooctane	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
Isooctyl Caprylate/Caprate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isooctyl Tallate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isooctyl Thioglycolate	SQ	safe in hair straighteners, permanent waves, tonics, dressings, etc., wave sets, other non-coloring hair products, and hair dyes and colors at concentrations up to 15.2% (as thioglycolic acid); hairdressers should avoid skin contact and minimize cons	IJT 28(S3):68-133, 2009
Isopropanolamine	SQ	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
Isopropyl Arachidate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Avocadoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Babassuate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Cresols	SQ	up to .5%	IJT 25(S1):29-127, 2006 (Amended Report)

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Ingredient Name	Finding†	Detail	Citation‡
Isopropyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	JACT 11(1):43-9, 1992; IJT 34(Suppl.2):5-69, 2015
Isopropyl Jojobate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Linoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	JACT 11(1):51-56, 1992; IJT 34(Suppl.2):5-69, 2015
Isopropyl Myristate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Isopropyl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Palmitate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Isopropyl Ricinoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 26(S3) 2007; IJT 34(Suppl.2):5-69, 2015
Isopropyl Stearate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Isopropyl Tallowate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isopropyl Thioglycolate	SQ	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
Isopropylamine Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Isopropylidenediphenyl Bisglycidyl Methacrylate	SQ	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
Isostearamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Isostearamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Isostearamidopropyl Betaine	SQ	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	SQ	safe in cosmetics as long as they are formulated to be non-sensitizing, which may be based on a quantitative risk assessment	Final report 06/2014 available from CIR
Isostearamidopropyl Morpholine Lactate	SQ	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	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isosteareth-12	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isosteareth-15	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Isosteareth-16	SQ	safe when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Isosteareth-2	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-20	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-22	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-25	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-3	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-5	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-50	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isosteareth-8	SQ	safe when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Isostearyl Avacodate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Isostearyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Linoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isostearyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Isostearyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	JACT 4(3):1-22, 1985 confirmed 09/03 IJT 25(S2), 2006; IJT 34(Suppl.2):5-69, 2015
Isostearyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isotridecyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S3):228-269, 2011; IJT 34(Suppl.2):5-69, 2015
Isotridecyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Isotridecyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Isotridecyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Jojoba Oil PEG-150 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Jojoba Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Kojic Acid	SQ		IJT 29 (S4): 244-273, 2010
Lactamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Lactic Acid	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Laneth-10	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-15	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-16	SQ	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	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-25	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-40	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-5	SQ	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)

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Ingredient Name	Finding†	Detail	Citation‡
Laneth-50	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-60	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laneth-75	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Lanolinamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Lard	SQ	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	SQ	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	SQ	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 DEA	SQ	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 can be formed	JACT 5(5):415-54, 1986 (original report); IJT 32 (S1):36-58, 2013
Lauramide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Lauramide/Myristamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Lauramidopropyl Betaine	SQ	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	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-10	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-11	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-12	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-13	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-14	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-15	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-16	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-2	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-20	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-21	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-23	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-25	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-3	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-30	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-38	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-4	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Laureth-40	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-5	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-50	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-6	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-7	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-8	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Laureth-9	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Lauroyl Arginine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Lauroyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Lauroyl Ethyltrimonium Methosulfate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Lauroyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Lauroyl Lysine	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 36(Suppl. 1):17-56, 2017
Lauroyl Proline	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Lauroyl Sarcosine	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Lauroyl Silk Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Laurtrimonium Bromide	SQ	safe for use when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Laurtrimonium Chloride	SQ	safe for use when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Lauryl Acrylate/VA Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Lauryl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Lauryl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S1):5S-16S; IJT 34(Suppl.2):5-69, 2015
Lauryl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Lauryl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Lauryl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Lauryl Laurate	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl Methacrylate	SQ	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	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Lauryl Methacrylate/Sodium Methacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Lauryl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Lauryl Oleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Lauryl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lecithinamide DEA	SQ	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	IJT 32(S1):36-58, 2013

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Ingredient Name	Finding†	Detail	Citation‡
		assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds can be formed	
Lignoceryl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Linoleamide DEA	SQ	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 can be formed	JACT 5(5):415-454, 1986 (original report); IJT 32 (S1):36-58, 2013
Linoleamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Linoleamidopropyl Dimethylamine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Linseed Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
MEA-Benzoate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Cocoate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Laureth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Laureth-6 Carboxylate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Lauryl Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-PPG Laureth-6 Carboxylate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-PPG-8 Steareth-7 Carboxylate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Salicylate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015; IJT 22(3):1-108 (original salicylate report)
MEA-Sulfite	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Tallowate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MEA-Undecylenate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(Suppl.2):84-98, 2015
MIBK (aka Methyl Isobutyl Ketone)	SQ	safe as used in nail polish removers and up to 4% as an alcohol denaturant	IJT 23(S1):29-57, 2004
MIPA-Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Macadamia Seed Oil Polyglyceryl 6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Macadamia Seed Oil Polyglyceryl 6 Esters Behenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Macadamia Ternifolia Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Magnesium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Magnesium Coceth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Magnesium Hydrogen Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Magnesium Hydroxide	SQ	safe in hair straighteners and depilatories under conditions of recommended use: users should minimize skin contact; all other uses safe when formulated to be non-irritating	Final report 12/2015 available from CIR
Magnesium Isododecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Magnesium Laureth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3):151-161,2010
Magnesium Laureth-3 Sulfosuccinate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 34(Suppl. 2):70-83, 2015
Magnesium Methyl Cocoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Magnesium Oleth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Magnesium PCA	SQ	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 Palmitoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Magnesium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Magnesium Salicylate	SQ	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	SQ	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/TEA-Coco-Sulfate	SQ	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 Myreth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Malic Acid	SQ	safe for use as pH adjusters; insufficient data to support safety for other uses	IJT 20(S1):47-55, 2001
Malus Domestica (Apple) Fiber	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Cell Culture Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Malus Domestica (Apple) Fruit Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Malus Domestica (Apple) Juice	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Mango Seed Oil PEG-70 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Mauritia Flexuosa Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Meadowfoamamidopropyl Betaine	SQ	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
Mentha Piperita (Peppermint) Leaf	SQ	safe as used, except that the concentration of pulegone should not exceed 1%	IJT 20(S3):61-73, 2001
Mentha Piperita (Peppermint) Leaf Extract	SQ	safe as used, except that the concentration of pulegone should not exceed 1%	IJT 20(S3):61-73, 2001
Mentha Piperita (Peppermint) Leaf Water	SQ	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	Finding†	Detail	Citation‡
Mentha Piperita (Peppermint) Oil	SQ	safe as used, except that the concentration of pulegone should not exceed 1%	IJT 20(S3):61-73, 2001
Metaphosphoric Acid	SQ	safe when formulated to be non-irritating	Final report 09/2016
Methacrylic Acid	SQ	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	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Methacryloyl Ethyl Betaine/Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Methenamine	SQ	0.16%; but should not be used in products intended to be aerosolized	JACT 11(4):531-58, 1992
Methoxy PEG-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-100	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-16	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxydiglycol Methacrylate	SQ	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
Methyl Alcohol	SQ	safe for use as a denaturant	IJT 20(S1):57-85, 2001
Methyl Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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	SQ	safe as used in nail polish removers and up to 4% as an alcohol denaturant	IJT 23(S1):29-57, 2003
Methyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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	SQ	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	SQ	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
Methylbenzethonium Chloride	SQ	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	Finding†	Detail	Citation‡
Methylchloroisothiazolinone (with Methylisothiazolinone)	SQ	rinse-off 15 ppm; leave-on 7.5 ppm	JACT 11(1):75-128, 1992
Methyldibromo Glutaronitrile	SQ	leave-on 0.025%	JACT 15(2):140-65, 1996
Methylene Chloride	SQ	in cosmetic products designed for brief discontinuous use	JACT 7(6):741-835, 19887
Methylisothiazolinone (alone)	SQ	safe at concentrations up to 100 ppm and safe for use in leave-on cosmetic products when formulated to be non-sensitizingm which may be determined based on a quantitative risk assessment (QRA).	IJT 29 (S3): 187-213, 2010; Final report 09/2014 available from CIR
Methylisothiazolinone (with Methylchloroisothiazolinone)	SQ	in rinse-off products at a concentration not to exceed 15 ppm and in leave-on cosmetic products at a concentration not to exceed 7.5 ppm	JACT 11(1):75-128, 1992
Microcitrus Australasica Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Microcitrus Australis Fruit Extract	SQ	safe for use in rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating, provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	Final report 12/2015 available from CIR
Milkamidopropyl Betaine	SQ	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
Mink Oil PEG-13 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Minkamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Minkamidopropyl Betaine	SQ	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	SQ	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
Mixed Isopropanolamines	SQ	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)	SQ	safe for use in rinse-off products; but should not be used in leave-on products	JACT 2(7):183-235, 1983
Myreth-10	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Myreth-2	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Myreth-3	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Myreth-4	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Myreth-5	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Myristamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Myristamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Myristamidopropyl Betaine	SQ	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	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Myristoyl Ethyltrimonium Methosulfate	SQ	Safe in the present practices of use and concentration, when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Myristoyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Myristoyl Sarcosine	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Myristyl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Myristyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Myristyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Myristyl Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Myristyl Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Myristyl Myristate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Myristyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Myristyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Myristyl Salicylate	SQ	safe when formulated to avoid irritation and to avoid increasing sun sensitivity, or when increased sun sensitivity would be expected, directions for use include the daily use of sun protection.	IJT 22(3):1-108
Myristyl Stearate	SQ	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; IJT 34(Suppl.2):5-69, 2015
Myrtrimonium Bromide	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Noneth-8	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Nonoxynol-1	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-10	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-100	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-11	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-12	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-120	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-13	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-14	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-15	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-18	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-2	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR
Nonoxynol-20	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-23	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-25	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-3	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-30	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-35	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-4	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Nonoxynol-40	SQ	when formulated to be non-irritating	JACT 2 (7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-44	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-5	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-50	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Nonoxynol-6	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-7	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 12/2015 available from CIR
Nonoxynol-70	SQ	when formulated to be non-irritating	Final report 12/2015 available from CIR
Nonoxynol-8	SQ	when formulated to be non-irritating	IJT 18(S1):11-31, 1999 JACT 2(7):35-60, 1983 (Original Report); Final report 12/2015 available from CIR
Nonoxynol-9	SQ	when formulated to be non-irritating	JACT 2(7):35-60, 1983; Final report 12/2015 available from CIR
Oatamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Oatamidopropyl Betaine	SQ	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	SQ	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	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Octadecyl d-glucoside	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Octododecyltrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Octoxynol-1	S;SQ	in rinse-off products up to 5% in leave-on products	IJT 23(S1):59-111, 2004
Octoxynol-3	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Octoxynol-5	SQ	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	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Octoxynol-7	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Octoxynol-8	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Octyldecyl Oleate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldecyl Phosphate	SQ	Safe as used in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Octyldodeceth-10	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-16	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-2	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-20	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-25	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-30	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodeceth-5	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Octyldodecyl Avocadoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Beeswax	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Behenate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Cocoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Erucate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Ethylhexanoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Glucoside	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Octyldodecyl Hydroxystearate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Isostearate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Meadowfoamate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015

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Ingredient Name	Finding†	Detail	Citation‡
Octyldodecyl Myristate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Neodecanoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Neopentanoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Octyldodecanoate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Oleate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Oliviate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Ricinoleate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 26(S3) 2007; IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Safflowerate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Octyldodecyl Stearate	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Oleamide DEA	SQ	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 can be formed	JACT 5(5):415-454, 1986 (original report); IJT 32 (S1):36-58, 2013
Oleamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Oleamidopropyl Betaine	SQ	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	SQ	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	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Oleoyl Tyrosine	SQ	Safe as used in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Oleth-10	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe as used in cosmetics when formulated to be non- irritating	IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-16	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe as used in cosmetics when formulated to be non- irritating	IJT 18(S2):17-24, 1999; IJT 31(S2):169-244 (2012)
Oleth-45	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	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	SQ	safe as used in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Oleyl Betaine	SQ	safe as used in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Oleyl Erucate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Oleyl Ethyl Phosphate	SQ	Safe as used in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Oleyl Linoleate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Oleyl Myristate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Oleyl Oleate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Oleyl Phosphate	SQ	Safe as used in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Oleyl Stearate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Olivamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Olivamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Olivamidopropyl Betaine	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Olive Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Olive Oil PEG-7 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Olive Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Olive Oil Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Olive Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Olive Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Olive Oil Propylene Glycol Esters	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Orbignya Oleifera Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Oxyquinoline	SQ	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)
Oxyquinoline Sulfate	SQ	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)
PCA	SQ	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
PEG-10 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-10 Cocamine	SQ	safe as used when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-10 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-10 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-10 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-10 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-10 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-10 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-10 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-10 Olive Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-10 Sorbitan Laurate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-10 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-10 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-10 Sunflower Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-10 Tsubakiate Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-100 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-100 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-11 Avocado Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-11 Babassu Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-11 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-11 Cocoa Butter Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-11 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-12 Cocamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-12 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-12 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-12 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-12 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-12 Ditallate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-12 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-12 Palm Kernel Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-12 Palmitamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-120 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-13 Mink Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-13 Sunflower Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-14 Avocado Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-14 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-15 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-15 Cocamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-15 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-15 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-15 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-15 Jojoba Alcohol	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-15 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-15 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-15 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-15 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-150 Dibehenate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-150 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-150 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-150 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-150 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-16 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-16 Castor Oil	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-16 Dilaurate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-16 Macadamia Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-160 Sorbitan Triisostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-175 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-175 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-18 Castor Oil Dioleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-18 Palm Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-18 Sorbitan Trioleate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-190 Distearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-192 Apricot Kernel Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-2 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-2 Cocamine	SQ	safe as used when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-2 Diisononanoate	SQ	safe when formulated to be non-irritating	IJT 30(S3):228-269, 2011; Final report 03/2015 available from CIR
PEG-2 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-2 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-2 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-2 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-2 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-2 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Lauramine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-2 Laurate SE	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-2 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Olive Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-2 Rapeseedamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Sorbitan Isostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-2 Sorbitan Trioleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-2 Sunflower Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-2 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Almond Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-20 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Cocamine	SQ	safe as used when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-20 Corn Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-20 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-20 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-20 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-20 Evening Primrose Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-20 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Castor Oil Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Castor Oil Pca Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-20 Hydrogenated Palm Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-20 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-20 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Sorbitan Cocoate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 Sorbitan Isostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 Sorbitan Oleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Sorbitan Triisostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-20 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Tsubakiate Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-200 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-200 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-200 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-22 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-25 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014

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Ingredient Name	Finding†	Detail	Citation‡
PEG-25 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-25 Moringa Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-25 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-25 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-250 Distearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-26 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-26 Jojoba Alcohol	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-29 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-3 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-3 Cocamine	SQ	safe as used when formulated to be non-irritating	IJT 18(S1):11-31, 1999; Final report 06/2015 available from CIR
PEG-3 Dicaprylate/caprato	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Dipalmitate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-3 Glyceryl Cocoate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-3 Methyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-3 Sorbitan Oleate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-3 Sorbitan Stearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-3 Sorbitan Tristearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-30 Castor Oil	SQ	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	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-30 Hydrogenated Castor Oil	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil PCA Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-30 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-30 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-30 Sorbitan Beeswax	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-30 Sorbitan Tetraoleate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-30 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-32 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-32 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-32 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-32 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-33 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-35 Almond Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-35 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-35 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-35 Soy Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-36 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-4 Caprylic/capric Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-4 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-4 Cocamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-4 Dicocoate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-4 Diheptanoate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-4 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-4 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-4 Dimethacrylate	SQ	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 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-4 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-4 Distearyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-4 Ditallow Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-4 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-4 Methyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-4 Sorbitan Stearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-4 Sorbitan Triisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-4-PPG-7 C13/C15 Alcohol	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG-40 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-40 Distearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-40 Glyceryl Cocoate	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-40 Hydrogenated Castor Oil	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-40 Hydrogenated Castor Oil Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-40 Hydrogenated Castor Oil Pca Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-40 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-40 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-40 Jojoba Alcohol	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-40 Olive Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-40 Sorbitan Diisostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Lanolate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Laurate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Oleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-40 Sorbitan Perisostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Peroleate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Stearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-40 Sorbitan Tetraoleate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-42 Babassu Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-42 Mushroom Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-44 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-44 Sorbitan Laurate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-45 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-45 Palm Kernel Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-45 Safflower Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-5 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-5 Cocamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-5 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(Suppl 4):13-39, 2014
PEG-5 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-5 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-5 Hydrogenated Corn Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-5 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-5 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-5 Sorbitan Isostearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-5 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-5 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-5 Tsubakiate Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-50 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-50 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Hydrogenated Castor Oil Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Hydrogenated Castor Oil Succinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-50 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-50 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-54 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-54 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-55 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-55 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-58 Hydrogenated Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-6 Almond Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-6 Caprylic/Capric Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-6 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-6 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-6 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-6 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-6 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(Suppl 4):13-39, 2014
PEG-6 Hydrogenated Palm/Palm Kernel Glyceride	SQ	safe when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-6 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-6 Methyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-6 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-6 Olive Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Almond Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-60 Castor Oil Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(Suppl 4):13-39, 2014
PEG-60 Corn Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Evening Primrose Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-60 Hydrogenated Castor Oil Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-60 Hydrogenated Castor Oil Pca Isostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-60 Hydrogenated Castor Oil Triisostearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-60 Passiflora Edulis Seed Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Passiflora Incarnata Seed Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Shea Butter Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-60 Sorbitan Stearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 Sorbitan Tetraoleate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 Sorbitan Tetrastearate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-60 Tsubakiate Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-65 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-7 Caprylic/capric Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-7 Cocoglycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-7 Glyceryl Cocoate	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-7 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-7 Methyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-7 Olive Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-7 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-7 Sunflower Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-7 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-7/PPG-2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG-70 Mango Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-75 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-75 Cocoa Butter Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-75 Crambe Abyssinica Seed Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-75 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-75 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-75 Distearate	SQ	safe when formulated to be non-irritating	IJT 19 (S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-75 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-75 Meadowfoam Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-75 Shea Butter Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-75 Shorea Butter Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-75 Sorbitan Lanolate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-75 Sorbitan Laurate	SQ	safe as used when formulated to be non-irritating	IJT 19 (S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-75 Soy Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-78 Glyceryl Cocoate	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-8 Caprylic/Capric Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-8 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-8 Cocamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-8 Dicoate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-8 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-8 Dilaurate	SQ	safe when formulated to be non-irritating	IJT 19(S2):29-41, 2000; Final report 03/2015 available from CIR
PEG-8 Dioleate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-8 Distearate	SQ	safe when formulated to be non-irritating	IJT 19(S1):51-59, 1999; Final report 03/2015 available from CIR
PEG-8 Ditallate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-8 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-8 Hydrogenated Fish Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-8 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-8 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-8 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-8 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-80 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-80 Glyceryl Cocoate	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-80 Hydrogenated Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-80 Sorbitan Laurate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-80 Sorbitan Palmitate	SQ	safe as used when formulated to be non-irritating	IJT 19(S2):43-89, 2000; Final report 06/2015 available from CIR
PEG-9 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-9 Cocoglycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-9 Distearate	SQ	safe when formulated to be non-irritating	IJT 19 (S1):51-59, 1999; Final report 03/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PEG-9 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-90 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-Cetyl Stearyl Diether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG/PPG-10/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-14/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-14/7 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-17/4 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-22/40 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-27/14 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-3/6 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-35/40 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-36/41 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-4/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-40/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-5/2 Methacrylate/Methacrylic Acid Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
PEG/PPG-50/40 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-52/32 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-55/28 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-6/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-7/12 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-8/2 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PEG/PPG-9/2 Dimethyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1 Trideceth-13	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1 Trideceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Ceteth-1	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Ceteth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Ceteth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Ceteth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Deceth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Deceth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Deceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Deceth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Isodeceth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Isodeceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Isodeceth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-1-Isodeceth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-10-Buteth-9	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-10-Cetareth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-12	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-12 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-12-Buteth-12	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-12-Buteth-16	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-13	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-13-Decyltetradeceth-24	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-14 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-14-Deceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-15	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-15 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-15-Buteth-20	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PPG-16	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-16 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-17	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-17 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-17-Buteth-17	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-18 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-19-Buteth-19	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-2 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-2 C12-13 Pareth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2 C12-15 Pareth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2 C9-11 Pareth-11	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2 C9-11 Pareth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2 C9-11 Pareth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2 C9-11 Pareth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Buteth-1	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-2-Buteth-2	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-2-Buteth-3	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-2-Cetareth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Ceteth-1	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Ceteth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Ceteth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Ceteth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-15	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-3	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-30	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-40	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-50	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-60	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Deceth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-18	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-25	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Isodeceth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Laureth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Laureth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-Laureth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-2-PEG-11 Hydrogenated Lauryl Alcohol Ether	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-20	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-20 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-20-Buteth-30	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
PPG-20-Decyltetradeceth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-22 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-23-Steareth-34	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-24 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-24-Buteth-27	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-25-Laureth-25	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-26	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-26 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-26-Buteth-26	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-28-Buteth-35	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-3	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-3 Butyl Ether	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-3 C12-14 Sec-Pareth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Buteth-5	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-3-Isodeceth-1	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Isosteareth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Laureth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Laureth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Laureth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Laureth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Myreth-11	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-Myreth-3	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-3-PEG-6 Oleyl Ether	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-30	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-30 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-30 Steareth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-30-Buteth-30	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-33	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-33 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-33-Buteth-45	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-34	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-34-Steareth-3	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-36-Buteth-36	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-38 Steareth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-38-Buteth-37	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-4 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-4 C12-14 Sec-Pareth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4 C13-15 Sec-Pareth-15	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4 Tricedeth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Buteth-4	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-4-Cetareth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Ceteth-1	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Ceteth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Ceteth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Ceteth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Deceth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Deceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Isodeceth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Laureth-15	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016

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Ingredient Name	Finding†	Detail	Citation‡
PPG-4-Laureth-2	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Laureth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-4-Laureth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-40 Butyl Ether	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-5 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-5 C12-14 Sec-Pareth-7	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-5 C12-14 Sec-Pareth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-5 C9-15 Pareth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-5-Buteth-5	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-5-Buteth-7	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-5-Ceteth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-5-Laureth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-51	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-52	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-52 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-53 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-6 C12-15 Pareth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6 C12-18 Pareth-11	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6 C9-11 Pareth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6 Deceth-4	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6 Deceth-9	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6 Trideceth-8	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6-Decyltetradeceth-12	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6-Decyltetradeceth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6-Decyltetradeceth-30	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-6-Laureth-3	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-69	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-7	SQ	safe when formulated to be non-irritating	IJT 31(2) 245-260, 2012
PPG-7-Buteth-10	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-7-Buteth-4	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-8-Ceteth-1	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-8-Ceteth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-8-Ceteth-2	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-8-Ceteth-20	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-8-Ceteth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-8-Deceth-6	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-9	SQ	safe when formulated to be non-irritating	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
PPG-9 Butyl Ether	SQ	safe when formulated to be non-irritating	IJT 20(S4):39-52, 2001; Final report 3/2017 available from CIR
PPG-9-Buteth-12	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-9-Ethylhexeth-5	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-9-Steareth-3	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PVP/Dimethylaminoethyl Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Palm Kernel Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Palm Kernelamide DEA	SQ	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 can be formed	IJT 32(Suppl. 1):36-58, 2013

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Ingredient Name	Finding†	Detail	Citation‡
Palm Kernelamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Palm Kernelamidopropyl Betaine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Palm Oil Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Palm Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Palm Oil Polyglyceryl-5 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Palm Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Palmamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Palmamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Palmamidopropyl Betaine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Palmitamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Palmitamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Palmitamidopropyl Betaine	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Arginine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Carnitine	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Palmitoyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Glycine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Gold Of Pleasure Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Isoleucine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Keratin Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Millet Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Oat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Pea Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Proline	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Quinoa Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Palmitoyl Silk Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Pamitoyl Ethyltrimonium Methosulfate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Pantothenamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Parinari Curatellifolia Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Passiflora Edulis Seed Oils PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Peanut Oil PEG-6 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Peanutamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Pentapotassium Triphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Pentasodium Triphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Phenethyl Alcohol	SQ	up to 1%	JACT 9(2):165-83, 1990 confirmed 08/06
<i>n</i> -Phenyl- <i>p</i> -Phenylenediamine Sulfate	SQ	up to 1.7% as the free base	JACT 13(5):374-94, 1994
<i>n</i> -Phenyl- <i>p</i> -Phenylenediamine HCl	SQ	up to 1.7% as the free base	JACT 13(5):374-94, 1994
<i>n</i> -Phenyl- <i>p</i> -Phenylenediamine	SQ	up to 1.7% as the free base	JACT 13(5):374-94, 1994
<i>m</i> -Phenylenediamine Sulfate	SQ	10% in hair dyes	IJT 16(S1):59-116,1997
<i>m</i> -Phenylenediamine	SQ	10% in hair dyes	IJT 16 (S1):59-116,1997
Phosphate Buffered Saline	SQ	safe when formulated to be non-irritating	Final report 09/2016
Phosphoric Acid	SQ	safe when formulated to be non-irritating	Final report 09/2016
Phthalic Anhydride/Trimellitic Anhydride/Glycols Copolymer	SQ	safe in nail product formulations	Final report 09/2016
Pinus Sibirica Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyacrylamide	SQ	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	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Polyglyceryl-10 Apricot Kernelate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Behenate/Eicosadioate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Caprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Caprylate/Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Cocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decaethylhexanoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decahydroxystearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decaisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decalinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decamacadamiate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Decastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dicocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Didecanoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dilaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dimyristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dipalmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Distearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodeca-Caprylate/Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodecabenenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodecacaprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodecacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Eicosanedioate/Tetradecanedioate	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Polyglyceryl-10 Hepta(Behenate/Stearate)	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Heptahydroxystearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Heptaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Heptastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Hexaerucate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Hexaisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Hexaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Hydroxystearate/Stearate/Eicosadioate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Linoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Mono/Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Myristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Nonaerucate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Nonaisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Palmate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Palmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentahydroxystearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentaisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentalaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentalinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentaricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Pentastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Sesquistearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tetradecanedioate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tetralaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tetraoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tricocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tridecanoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Trierucate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Triisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Trilaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Trioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Tristearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Undecylenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-15 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Caprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Distearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Isopalmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Isopalmitate/Sebacate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Polyglyceryl-2 Myristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Palmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Sesquicaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Sesquiosostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Sesquiolate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Sesquistearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Tetrabenenate/Macadamate/Sebacate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Tetraisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Tetraoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Tetrastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Triisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Docosabehenate/Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Docosabehenate/Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Docosabehenate/Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Heptacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Heptadecabehenate/Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Hexacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Octadecabehenate/Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-20 Octaiononanoate	SQ	safe when formulated to be non-irritating	IJT 30(Suppl. 3):228-269, 2011; Final report 09/2016
Polyglyceryl-3 Beeswax	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Behenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Caprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Cocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Di-Hydroxystearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Dicaprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Dicitrate/Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Dicocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Distearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Myristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Palmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Pentacaprylate/Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Pentaolive	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Pentaricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Rice Branate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Ricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Soyate/Shea Butterate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Stearate SE	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Triisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Triolive	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Almondate/Shea Butterate	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Polyglyceryl-4 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Caprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Caprylate/Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Cocoate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Dilaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Distearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Hazelnutseedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Isostearate/Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Laurate/Sebacate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Laurate/Succinate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Pentaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Pentapalmitate/Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Pentastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Punicate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Sweet Almondate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-4 Tristearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Dicaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Dilaurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Hexastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Myristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Pentamyristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Ricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Tribehenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Triisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Trimyristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Trioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-5 Tristearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Adansonia Digitata Seedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Apricot Kernelate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Argan Kernelate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Behenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Caprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Caprylate/Caprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Citrullus Lanatus Seedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Dicaprate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Dioleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Dipalmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Polyglyceryl-6 Distearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Heptacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Hexaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Hexastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Isostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Myristate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Octacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Octastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Palmitate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Palmitate/Succinate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Pentacaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Pentaoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Pentaricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Pentastearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Ricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Schinziophyton Rautanenii Kernelate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Sclerocarya Birrea Seedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Sesquicaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Sesquiosostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Sesquisteate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Tetrabehenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Tetracaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Tetraoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Tricaprylate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Trichilia Emetica Seedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Tristearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Undecylenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-6 Ximenia Americana Seedate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 C12-20 Acid Ester	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 Decabehenate/Caprates	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 Decaerucate/Decaostearate/ Decaricinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 Oleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 Stearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyoxymethylene Urea	SQ	concentration of free formaldehyde should be 0.2%; unsafe for aerosols	JACT 14(3):204-20, 1995 confirmed 12/09
Polypropylene Glycols (PPG)	SQ	50%	JACT 13 (6):437-91, 1994 reopened 12/09 tentative amended report 04/10 available from CIR
Polyquaternium-14	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-28	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-32	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-33	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-35	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-36	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-37	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-45	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-47	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-48	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Polyquaternium-53	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-63	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-73	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-91	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polysilicone-2	SQ;I	The CIR Expert Panel concluded that polysilicone-2, polysilicone-4, and polysilicone-5 are safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides) , and that the available data or information are insufficient to make a determination of safety if these ingredients are used independently in cosmetics.	Final 03/2016 available from CIR
Polysilicone-4	SQ;I	The CIR Expert Panel concluded that polysilicone-2, polysilicone-4, and polysilicone-5 are safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides) , and that the available data or information are insufficient to make a determination of safety if these ingredients are used independently in cosmetics.	Final 03/2016 available from CIR
Polysilicone-5	SQ;I	The CIR Expert Panel concluded that polysilicone-2, polysilicone-4, and polysilicone-5 are safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides) , and that the available data or information are insufficient to make a determination of safety if these ingredients are used independently in cosmetics.	Final 03/2016 available from CIR
Polysorbate 20	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 21	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 40	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 60	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 61	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 65	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 80	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 81	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Polysorbate 85	SQ	safe as used when formulated to be non-irritating	JACT 3(5):1-82, 1984; Final report 06/2015 available from CIR
Potassium Acrylates/C10-30 Alkyl Acrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Potassium Aluminum Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Potassium Bicarbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Potassium Bromate	SQ	10.17% (calculated as Sodium Bromate)	JACT 13(5):400-14, 1994
Potassium C11-15 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium C12-13 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium C12-14 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium C9-15 Alkyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium Caproyl Tyrosine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Capryloyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Potassium Cetyl Phosphate	SQ	safe for use when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Cocoyl Glycinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Cocoyl Rice Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Cocoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	Final report 09/2016
Potassium Cocoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Potassium Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010

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Ingredient Name	Finding†	Detail	Citation‡
Potassium Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Potassium Hydroxide	SQ	safe in hair straighteners and depilatories under conditions of recommended use: users should minimize skin contact; all other uses safe when formulated to be non-irritating	Final report 12/2015 available from CIR
Potassium Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Potassium Lauroyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauroyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauroyl Oat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauroyl Pea Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauroyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	Final report 09/2016
Potassium Lauroyl Silk Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauroyl Wheat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Lauryl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium Metaphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Potassium Methyl Cocoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Potassium Myristoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Olivoyl/lauroyl Wheat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium PCA	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Potassium Persulfate	SQ:I	as oxidizing agents in hair colorants and hair lighteners designed for brief discontinuous use followed by thorough rinsing from the hair and skin; the available data are insufficient for determining the safety of these persulfates in leave-on products and dentifrices	IJT 20(S3):7-21, 2001;Final report 12/2017 available from CIR
Potassium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Potassium Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Potassium Polyphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Potassium Salicylate	SQ	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	SQ	safe for use when formulated to avoid skin irritation	IJT 24(S1):103-117, 2005
Potassium Stearoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017

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Ingredient Name	Finding†	Detail	Citation‡
Potassium Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Potassium Thioglycolate	SQ	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	IJT 28(S3):68-133, 2009
Potassium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Propionyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Propyl Gallate	SQ	0.10%	IJT 26(S3) 2007 JACT 4(3):23-64, 1985 (original report)
Propyl Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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
Propylene Glycol	SQ	50%	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
Propylene Glycol Behenate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Butyl Ether	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Propylene Glycol Capreth-4	SQ	safe for use when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
Propylene Glycol Caprylate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Cocoate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Dicaprate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicaproate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Dicaprylate	SQ	when formulated to be nonirritating	IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicaprylate/dicaprate	SQ	when formulated to be nonirritating	IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dicocoate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Diethylhexanoate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Diisononanoate	SQ	when formulated to be nonirritating	IJT 30(Suppl. 3):228-269, 2011; Final report 12/2014 available from CIR
Propylene Glycol Diisostearate	SQ	when formulated to be nonirritating	IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dilaurate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dioleate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Dipelargonate	SQ	when formulated to be nonirritating	IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Distearate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Diundecanoate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Heptanoate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Isodeceth-12	SQ	safe for use when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
Propylene Glycol Isodeceth-4	SQ	safe for use when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
Propylene Glycol Isostearate	SQ	when formulated to be nonirritating	IJT 18(S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Laurate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Laureth-6	SQ		IJT 35(Suppl. 1):60-89, 2016
Propylene Glycol Linoleate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Propylene Glycol Linolenate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Myristate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; IJT 29(S3) :162-186,2010; Final report 12/2014 available from CIR
Propylene Glycol Oleate	SQ	when formulated to be nonirritating	IJT 18 (S2):35-52, 1999; Final report 12/2014 available from CIR
Propylene Glycol Oleate SE	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Oleth-5	SQ	safe as used when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
Propylene Glycol Soyate	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Propylene Glycol Stearate	SQ	when formulated to be nonirritating	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	SQ	when formulated to be nonirritating	JACT 2(5):101-124, 1983 confirmed 09/02 IJT 24(S1):85-87, 2005; Final report 12/2014 available from CIR
Propylheptyl Caprylate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Pumpkin Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Pumpkin Seed Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Pumpkin Seed Oil Polyglyceryl-4 Esters Succinate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Pyromallitic Glycidyl Dimethacrylate	SQ	safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005
Pyrus Malus (Apple) Bark Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Carpel Powder	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fiber	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fruit	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fruit Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Fruit Water	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Juice	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Pectin Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Powder	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Peel Wax	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Pulp Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Root Bark Powder	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Pyrus Malus (Apple) Seed Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 03/2016 available from CIR
Quaternium-15	SQ	safe at concentrations not to exceed 0.2%	JACT 5(3):61-101, 1986 (original report); IJT 29(Suppl. 2):98-114, 2010; IJT 36(Suppl 2):14-58, 2017
Quaternium-18/Benzalkonium Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Quaternium-26	SQ	should not be used in products in which N-nitroso compounds may be formed	IJT 19(S1):69-75, 2000
Quaternium-90 Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Quaternium-90 Montmorillonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Quaternium-90 Sepiolite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Rapeseed Oil PEG-20 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Rapeseed Oil PEG-3 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(Suppl. 4):13-39, 2014
Raspberry Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Rice Bran Oil Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Ricebranamide DEA	SQ	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	IJT 32(S1):36-58, 2013

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Ingredient Name	Finding†	Detail	Citation‡
		assessment of DEA and its salts; should not be used in cosmetic products in which N-nitroso compounds can be formed	
Ricinoleamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Ricinoleamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Ricinoleamidopropyl Betaine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment	Final report 06/2014 available from CIR
Rosa Canina Bud Extract	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Flower	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Flower Extract	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Flower Oil	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Flower Powder	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Fruit	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Fruit Extract	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Fruit Juice	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Leaf Extract	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Seed	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Seed Extract	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Canina Seed Powder	SQ	safe when formulated to be non-irritating and non-sensitizing	Final report 3/2017 available from CIR
Rosa Rubiginosa Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Rosmarinus Officinalis (Rosemary) Extract	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Flower Extract	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Leaf	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Leaf Extract	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Leaf Oil	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Leaf Powder	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Leaf Water	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Rosmarinus Officinalis (Rosemary) Water	SQ	safe for use in cosmetics when formulated to be non-sensitizing.	Final report 06/14 available from CIR
Safflower Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Safflower Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Salicylic Acid	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Schinziophyton Rautanenii Kernel Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sclerocarya Birrea Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Sclerocarya Birrea Seed Oil Polyglyceryl-10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sclerocarya Birrea Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sesame Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sesame Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014

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Ingredient Name	Finding†	Detail	Citation‡
Sesamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Sesamidopropyl Betaine	SQ	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
Sesamidopropyl Dimethylamine	SQ	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 Butter Glyceride	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Shea Butter Glycerides	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Shea Butter Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Shea Butter Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Shea Butter Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Shea Butteramide/Castoramide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Shea Butteramidopropyl Betaine	SQ	safe for use in cosmetics when formulated to be non-sensitizing, which may be based on a quantitative risk assessment	IJT 31(S1):77-111, 2012
Shea Oleine	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Shellac	SQ	at concentrations up to 6%	JACT 5(5):309-327, 1986 confirmed 12/06; IJT 30(S2):73-127, 2011
Silica Dimethyl Silylate	SQ	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	SQ	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 Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Sodium Acrylates Crosspolymer-2	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Sodium Acrylates/Acrolein Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Sodium Acrylates/C10-30 Alkyl Acrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Sodium Acrylates/Vinyl Isodecanoate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Sodium Alpha-Olefin Sulfonates (e.g. C12-14 Olefin)	SQ	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	SQ	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	SQ	at concentrations not to exceed 10.17%	JACT 13(5):400-14, 1994
Sodium C10-15 Pareth Sulfate	SQ	safe when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Sodium C12-13 Pareth Sulfate	SQ	safe when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Sodium C12-14 Olefin Sulfonate	SQ	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	SQ	safe when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Sodium C14-16 Olefin Sulfonate	SQ	safe as used in rinse off products; safe up to 2% in leave ons; the gamma sultone impurities should not exceed	IJT 17(S5):39-66, 1998

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Ingredient Name	Finding†	Detail	Citation‡
		10 ppm for unsubstituted alkane sultones, 1 ppm for chlorosultones, and 0.1 ppm for unsaturated sultones	
Sodium C14-18 Olefin Sulfonate	SQ	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	SQ	safe as used in rinse off products; safe up to 2% in leave ons; the gamma sultone impurities should not exceed 10 ppm for unsubstituted alkane sultones, 1 ppm for chlorosultones, and 0.1 ppm for unsaturated sultones	IJT 17(S5):39-66, 1998
Sodium Caproyl Methyltaurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Caproyl Proinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Capryloyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Coceth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3):151-161,2010
Sodium Cocoyl Alaninate	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Apple Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Barley Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Glutamine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Glycinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Isethionate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	JACT 12(5):459-79, 1993 reopened 03/09; IJT 36(Suppl. 1):5-16, 2017
Sodium Cocoyl Oat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Proline	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Sodium Cocoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Cocoyl Threoninate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl Wheat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl/Hydrogenated Tallow Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Cocoyl/Palmoyl/Sunfloweroyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Deceth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3):151-161,2010
Sodium Decylbenzenesulfonate	SQ	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	SQ	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	SQ		IJT 35(Suppl. 2):41-54, 2016
Sodium Glycolate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30% , at final formulation pH greater than or equal to 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 Hexametaphosphate	SQ	safe when formulated to be non-irritating	IJT 20(S3):75-89, 2001; Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Sodium Hydrogenated Cocoyl Methyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Hydrogenated Tallowoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Hydroxide	SQ	safe in hair straighteners and depilatories under conditions of recommended use; users should minimize skin contact; all other uses safe when formulated to be non-irritating	Final report 12/2015 available from CIR
Sodium Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Sodium Laureth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3):151-161,2010
Sodium Lauroyl Aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Lauroyl Methyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Lauroyl Millet Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Oat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Sodium Lauroyl Silk Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Lauroyl Wheat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauroyl/Myristoyl Aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Lauryl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Sodium Lauryl Sulfate	SQ	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	SQ	safe for use as pH adjusters; insufficient data to support safety for other uses	IJT 20(S1):47-55, 2001
Sodium Metaphosphate	SQ	safe when formulated to be non-irritating	IJT 20(S3):75-89, 2001; Final report 09/2016
Sodium Metasilicate	SQ	safe for use when formulated to avoid skin irritation	IJT 24(S1):103-117, 2005
Sodium Methyl Cocoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Methyl Lauroyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyl Myristoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyl Oleoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyl Palmitoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyl Stearoyl Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyltaurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyltaurate Isopalmitamide	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Methyltaurine Cocoyl Methyltaurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Myreth Sulfate	SQ	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	Finding†	Detail	Citation‡
Sodium Myristoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Myristoyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Myristoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Sodium <i>N</i> -isostearoyl Methyltaurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Naphthalenesulfonate	SQ	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	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Sodium Octoxynol-2 Sulfate	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Sodium Octoxynol-6 Sulfate	SQ	safe as used in rinse-off products; safe at 5% in leave-on products	IJT 23(S1):59-111, 2004
Sodium Oleoyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Oleoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	Final report 09/2016
Sodium Oleth Sulfate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Olivoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium PCA	SQ	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
Sodium PEG-50 Hydrogenated Castor Oil Succinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Sodium Palm Kerneloyl Isethionate	SQ		IJT 36(Suppl. 1):5-16, 2017
Sodium Palmitoyl Proline	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Palmitoyl Sarcosinate	SQ	safe as used when formulated to be non-irritating	Final report 09/2016
Sodium Palmoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Persulfate	SQ;I	as oxidizing agents in hair colorants and hair lighteners designed for brief discontinuous use followed by thorough rinsing from the hair and skin; the available data are insufficient for determining the safety of these persulfates in leave-on products and dentriferices	IJT 20(S3):7-21, 2001;Final report 12/2017 available from CIR
Sodium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sodium Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Sodium Polynaphthalenesulfonate	SQ	safe as used in cosmetic formulations intended to be applied to skin (0.3% is max. use concentration reported in skin care products); but insufficient data to support the safety in cosmetic products which may contact mucous membranes or be ingested.	IJT 22(S2):37-44, 2003
Sodium Polyphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sodium Salicylate	SQ	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	SQ	safe for use when formulated to avoid skin irritation	IJT 24(S1):103-117, 2005
Sodium Stearoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Stearoyl Methyl Isethionate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):5-16, 2017
Sodium Sulfate	SQ	safe as used when formulated to be non-irritating	IJT 19(S1):77-87, 2000; Final report 06/2016
Sodium Taurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Taurine Cocoyl Methyltaurate	SQ	when formulated to be non-irritating	Final Report 12/2015 available from CIR
Sodium Thioglycolate	SQ	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	IJT 28(S3):68-133, 2009

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		concentrations up to 15.2%; hairdressers should avoid skin contact and minimize consumer skin exposure	
Sodium Tridecylbenzenesulfonate	SQ	safe as cosmetic ingredients in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S4):288-305, 2010
Sodium Trimetaphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sodium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium <i>p</i> -Chloro- <i>m</i> -Cresol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Sodium/TEA C12-13 Pareth-3 Sulfate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium/TEA-Lauroyl Keratin Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium/TEA-undecylenoyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sorbeth-12 Hexacoate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-150 Hexastearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-160 Tristearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Beeswax	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Cocoate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Hexacaprylate/caprata	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Hexaisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Hexalaurate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2 Hexaoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-2/Oleate/Dimer Dilinoleate Crosspolymer	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-20 Beeswax	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-20 Pentaisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-20 Tetraisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-3 Isostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-3 Tristearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-30 Pentaisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-30 Tetraisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-30 Tetraoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-30 Tetraoleate Laurate (PEG-30 Sorbitol Tetraoleate Laurate)*	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-4 Tetraoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-40 Hexaoleate (PEG-40 Sorbitol Hexaoleate)	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-40 Pentaisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-40 Pentaoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-40 Tetraisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-40 Tetraoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-450 Tristearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-50 Hexaoleate (PEG-50 Sorbitol Hexaoleate)	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-50 Pentaisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-50 Tetraisostearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-6 Beeswax	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-6 Hexastearate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-6 Laurate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-6 Tetraoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-60 Tetraoleate	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-60 Tetrastearate (PEG-60 Sorbitol Tetrastearate)	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
Sorbeth-8 Beeswax	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Soyamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Soyamidopropyl Betaine	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Soybean Oil PEG-36 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Soybean Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Soybean Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Soybean Oil Propylene Glycol Esters	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
Soytrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearamonium Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Stearamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Stearamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Stearamidopropyl Betaine	SQ	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	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-10 Allyl Ether/Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Steareth-100	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-11	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-13	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-14	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-15	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-16	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-200	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-25	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-27	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-30	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-4	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-50	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Steareth-60 Cetyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

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Ingredient Name	Finding†	Detail	Citation‡
Steareth-7	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Steareth-8	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Steareth-80	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Stearoxypropyltrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearoyl Ethyltrimonium Methosulfate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearoyl Glutamic Acid	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Stearoyl Leucine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Stearoyl Sarcosine	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Steartrimonium Bromide	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Steartrimonium Chloride	SQ	up to 0.25% for leave-on products (no rinse-off uses reported)	IJT 16(S3):195-220, 1997; IJT 31(S3): 296-341 (2012)
Steartrimonium Methosulfate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Stearyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2): 141-146, 2012; IJT 34(Suppl.2):5-69, 2015
Stearyl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Stearyl Caprylate	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Stearyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Stearyl Heptanoate	SQ		JACT 14(6):497-510, 1995; IJT 31(S2): 141-146, 2012; IJT 34(Suppl.2):5-69, 2015
Stearyl Linoleate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Stearyl Oliviate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2): 141-146, 2012; IJT 34(Suppl.2):5-69, 2015
Stearyl Palmitate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2): 141-146, 2012; IJT 34(Suppl.2):5-69, 2015
Stearyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Stearyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2): 141-146, 2012; IJT 34(Suppl.2):5-69, 2015
Stearyl/Lauryl Methacrylate Crosspolymer	SQ	safe in the present practices of use and concentration when not polymerized in benzene	IJT 36(Suppl 2):59-88, 2017
Styrene/Acrylates/Ammonium Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Sunflower Seed Oil PEG-32 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Sunflower Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Sunflower Seed Oil Polyglyceryl 10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sunflower Seed Oil Polyglyceryl 3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sunflower Seed Oil Polyglyceryl 6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sunflower Seed Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sunflower Seed Oil Polyglyceryl-5 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sunfloweramide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Sunflowerseedamidopropyl Dimethylamine	SQ	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
Sweet Almond Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Sweet Almond Oil Polyglyceryl-4 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Sweet Almond Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
TBHQ (originally <i>t</i> -Butyl Hydroquinone)	SQ	safe up to 0.1%	JACT 10(1):1-7, 1991 JACT 5(5):329-51, 1986 (Original report)
TEA Sorbate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA Sulfate	SQ	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the	IJT 32(S1): 59-81, 2013

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		present practices of use and concentration of diethanolamine itself. The ingredients should not be used in cosmetic products in which N-nitroso compounds could be formed.	
TEA-C10-15 Alkyl Sulfate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA-C11-15 Alkyl Sulfate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA-C11-15 Pareth Sulfate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-C12-13 Alkyl Sulfate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA-C12-13 Pareth-3 Sulfate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-C12-14 Alkyl Sulfate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA-C12-15 Alkyl Sulfate	SQ	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 formed.	IJT 32(S1): 59-81, 2013
TEA-Canolate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Coco-Sulfate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Cocoate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013

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Ingredient Name	Finding†	Detail	Citation‡
TEA-Cocoyl Alaninate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-Dodecylbenzenesulfonate	SQ		JACT 12(3):279-309, 1993 (original report); IJT 29 (S4) 288-305, 2010
TEA-Glyceryl Dimaleate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Hydrochloride	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Hydrogenated Cocoate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Hydrogenated Tallowoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-Isostearate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Lactate	SQ	safe for use in cosmetic products at concentrations less than or equal to 10%, at final formulation pH greater than or equal to 3.5, when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. safe for use in salon products at concentrations less than or equal to 30%, at final formulation pH greater than or equal to 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; IJT 32(S1): 59-81, 2013
TEA-Laurate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Laurate/Myristate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Laureth Sulfate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Lauryl Sulfate	SQ	safe as used when formulated to be non-irritating and when the levels of free diethanolamine do not exceed the	JACT 1 (4):143-67, 1982; IJT 32(S1): 59-81, 2013

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Ingredient Name	Finding†	Detail	Citation‡
		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 formed.	
TEA-Myristate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Oleate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Oleyl Sulfate	SQ	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 M-nitroso compounds could be formed.	IJT 32(S1): 59-81, 2013
TEA-PEG-3 Cocamide Sulfate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Palmitate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-Salicylate	SQ	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-Stearate	SQ	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 formed.	JACT 14(3): 240-8, 1995; IJT 32(S1): 59-81, 2013
TEA-Tallate	SQ	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 -nitr	IJT 32(S1): 59-81, 2013
TEA-Tridecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
TEA-Undecylenate	SQ	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 could be formed.	IJT 32(S1): 59-81, 2013
TEA-lauroyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-lauroyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-lauroyl Keratin Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
TEA-lauroyl/myristoyl Aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017

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Ingredient Name	Finding†	Detail	Citation‡
Tallamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Tallamidopropyl Dimethylamine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Tallowamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Tallowamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Tallowamidopropyl Betaine	SQ	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	SQ	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
Talloweth-18	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Talloweth-4	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Talloweth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Talloweth-6	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Talloweth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Tallowtrimonium Chloride	SQ		IJT 31(S3): 296-341 (2012)
Tetradecyleicosyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tetradecyloctadecyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tetradecyloctadecyl Hexyldecanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tetradecyloctadecyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Tetradecyloctadecyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tetradecylpropionates	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tetrahydrofurfuryl Methacrylate	SQ	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
Tetrapotassium Etidronate	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Tetrapotassium Pyrophosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Tetrasodium Etidronate	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Tetrasodium Pyrophosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Theobroma Grandiflorum Seed Butter Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Thiodipropionic Acid	SQ	safe for use in cosmetic formulations when formulated to be non-irritating	IJT 29 (S3): 137-150, 2010
Thioglycolic Acid	SQ	safe for use in hair straighteners permanent waves, tonics, dressings, and so forth, wave sets, other noncoloring hair products, and hair dyes and colors, at concentrations up to 15.2%; hairdressers should avoid skin contact and minimize consumer skin	JACT 10(1):135-92, 1991 (original report); IJT 28(S3):68-133, 2009
Thymol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Tricalcium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Tricaprylyl/Capryl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR

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Ingredient Name	Finding†	Detail	Citation‡
Tricetyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Trichilia Emetica Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Trideceth-10	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-12	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-15	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-18	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-2	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-2 Carboxamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Trideceth-20	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-21	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-3	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-4	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-5	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-50	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-6	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-7	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-8	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Trideceth-9	SQ	safe for cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Tridecyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
Tridecyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 30(S1):5S-16S, 2011; IJT 34(Suppl.2):5-69, 2015
Tridecyl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tridecyl Ethylhexanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.3):61-73, 2015
Tridecyl Isononanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tridecyl Laurate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tridecyl Myristate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29(S3) :162-186,2010; IJT 34(Suppl.2):5-69, 2015
Tridecyl Neopentanoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tridecyl Salicylate	SQ	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
Tridecyl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Tridecyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Triethanolamine	SQ	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	SQ	safe in nail enhancement products when skin contact is avoided; products containing this ingredient should be accompanied with directions to avoid skin contact because of the sensitizing potential of methacrylates	IJT 24(S5):53-100, 2005
Triethylhexyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Trifluoropropyldimethyl/Trimethylsiloxysilicate	SQ	safe when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract	IJT 31(S1):5-24 (2013)
Triisodecyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Triisopropanolamine	SQ	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
Triisostearoyl Polyglyceryl-3 Dimer Dilinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Triisotridecyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Trilauryl Phosphate	SQ		Final report 09/2014 available from CIR
Trimagnesium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016

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Ingredient Name	Finding†	Detail	Citation‡
Trimethylolpropane Trimethacrylate	SQ	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	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Trisodium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Tristearyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Undeceth-11	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-3	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-40	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-5	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-7	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-8	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undeceth-9	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undecyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Undecylenamide DEA	SQ	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 can be formed	IJT 32(Suppl. 1):36-58, 2013
Undecylenamide MEA	SQ	safe in the present practices of use and concentration when formulated to be non-irritating; should not be used in cosmetic products in which N-nitroso compounds may be formed	IJT 34(S1): 18-34, 2015
Undecylenamidopropyl Betaine	SQ	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	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Undecylenoyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Undecylenoyl Glycine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Undecylenoyl Phenylalanine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Undecylenoyl Wheat Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Urethane Methacrylate	SQ	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	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Vinyl Caprolactam/PVP/ Dimethylaminoethyl Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Watermelon Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Watermelon Seed Oil Polyglyceryl-10 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Watermelon Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Wheat Germ Oil PEG-40 Butyloctanol Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Wheat Germ Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Wheat Germamide DEA	SQ	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 can be formed	IJT 32(S1):36-58, 2013
Wheat Germamidopropyl Betaine	SQ	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

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Ingredient Name	Finding†	Detail	Citation‡
Wheat Germamidopropyl Dimethylamine	SQ	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
Ximenia Americana Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Zinc Coceth Sulfate	SQ	safe in the present practices of use and concentration when formulated to be non-irritating	IJT 29(S3) :151-161,2010
Zinc Lauroyl Aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017

†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 used 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

‡ Please consider the most recent findings only. Previous citations are only offered for reference purposes.