

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
1,2-Butanediol	S		IJT 31(S2):147-168, 2012
1,2-Hexanediol	S		IJT 31(S2):147-168, 2012
1,4-Butanediol/Succinic Acid/Adipic Acid/HDI Copolymer	S		Final report 06/2016 available from CIR
1-Hydroxyethyl 4,5-Diamino Pyrazole Sulfate	S	as an oxidative hair dye	Final report 03/2016 available from CIR
1-Naphthol	S	in hair coloring products	JACT 8(4):749-68, 1989 confirmed 12/06
2,3-Naphthalenediol	Z		JACT 7(3):353-57, 1988
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
2,4-Diaminophenoxyethanol HCl	S		Final Amended Report 12/07 Available from CIR JACT 10(1):113-34, 1991 (original report)
2,4-Diaminophenoxyethanol Sulfate	S		Final Amended Report 12/07 Available from CIR JACT 10(1):113-34, 1991 (original report)
2-Amino-3-Hydroxypyridine	S		Final report 09/2014 available from CIR
2-Amino-3-Nitrophenol	S	in hair dyes	IJT 28(S3): 217-251, 2009
2-Amino-4-Nitrophenol	S		IJT 28(S3): 217-251, 2009
2-Amino-4-Nitrophenol Sulfate	S		IJT 28(S3): 217-251, 2009
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-5-Nitrophenol	S		IJT 28(S3): 217-251, 2009
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-Chloro- <i>p</i> -Phenylenediamine	S		JACT 11(4):521-530, 1992
2-Chloro- <i>p</i> -Phenylenediamine Sulfate	S		JACT 11(4):521-530, 1992
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
2-Methyl Resorcinol	S		JACT 5(3):167- 203, 1986 confirmed 12/06
2-Methyl-5-Hydroxyethylaminophenol	S		JACT 9(2):185-202, 1990 confirmed 08/06
2-Nitro- <i>p</i> -Phenylenediamine	S		JACT 4 (3):161-202, 1985 confirmed 11/03 IJT 25(S2), 2006
2-oleamido-1,3-Octadecanediol	S		Final report 03/2015 available from CIR
3-Methylamino-4-Nitrophenoxyethanol	S		IJT 27 (S2): 41-51, 2008
3-Nitro- <i>p</i> -Hydroxyethylaminophenol	S		IJT 28(S3): 217-251, 2009
4-Amino-2-Hydroxytoluene	S		JACT 8 (4):569-87, 1989 confirmed 04/06
4-Amino-2-Nitrophenol	Z		IJT 28(S3): 217-251, 2009
4-Amino-3-Nitrophenol	S		IJT 28(S3): 217-251, 2009
4-Amino- <i>m</i> -Cresol	S	in oxidative and non-oxidative hair dyes	IJT 23(S2):1-22, 2004
4-Chloro-2-Aminophenol	SQ;Z	as used in oxidative hair dyesavailable data are insufficient to support the safety in non-oxidative hair dyes	IJT 23(S2):1-22, 2004
4-Chlororesorcinol	S	in hair dyes	JACT 15 (4): 284-94, 1996
4-Hydroxypropylamino-3-Nitrophenol	S	in hair dyes	IJT 28(S3): 217-251, 2009
4-Methoxy- <i>m</i> -Phenylenediamine	U	carcinogenicity	JACT 11(4):381-422, 1992
4-Methoxy- <i>m</i> -Phenylenediamine HCl	U	carcinogenicity	JACT 11(4):381-422, 1992
4-Methoxy- <i>m</i> -Phenylenediamine Sulfate	U	carcinogenicity	JACT 11(4):381-422, 1992

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
4-Nitro- <i>m</i> -Phenylenediamine	S		JACT 4 (3):161-202, 1985 confirmed 11/03 IJT 25(S2), 2006
5-Amino-4-Chloro- <i>o</i> -Cresol	S	in oxidative and non-oxidative hair dyes	IJT 23(S2):1-22, 2004
5-Amino-6-Chloro- <i>o</i> -Cresol	S	in oxidative and 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>m</i> -Cresol	S	in oxidative and non-oxidative hair dyes	IJT 23(S2):1-22, 2004
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
6-Hydroxyindole	S		IJT 33(S3):24-35, 2014
AMP-Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acacia Catechu Gum	Z		IJT 24(S3):75-118, 2005
Acacia Concinna Fruit Extract	UNS		IJT 24(S3):75-118, 2005
Acacia Dealbata Leaf Extract	Z		IJT 24(S3):75-118, 2005
Acacia Dealbata Leaf Wax	Z		IJT 24(S3):75-118, 2005
Acacia Decurrens Extract	UNS		IJT 24(S3):75-118, 2005
Acacia Farnesiana Flower Wax	UNS		IJT 24(S3):75-118, 2005
Acacia Farnesiana Flower/Stem Extract	UNS		IJT 24 (S3):75-118, 2005
Acacia Farnesiana Gum	Z		IJT 24(S3):75-118, 2005
Acacia Senegal Extract	UNS		IJT 24(S3):75-118, 2005
Acacia Senegal Gum	S		IJT 24(S3):75-118, 2005
Acacia Senegal Gum Extract	S		IJT 24(S3):75-118, 2005
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)
Acetic Acid	S		IJT 31(S4): 112-136, 2012
Acetic/Linoleic/Palmitic Triglyceride	S		Final report 12/2017 available from CIR
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 Tributyl Citrate	S		IJT 21(S2):1-17, 2002
Acetyl Triethyl Citrate	S		IJT 21(S2):1-17, 2002
Acetyl Trihexyl Citrate	S		IJT 21(S2):1-17, 2002
Acetyl Trioctyl Citrate	S		IJT 21(S2):1-17, 2002
Acetyl Tyrosine	SQ	safe for use for cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Acetylated Lanolin	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Acetylated Lanolin Alcohol	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
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
Acid Violet 43	S		IJT 20(S3):1-6, 2001; Final report 12/2016 available from CIR
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Acrylamide/Sodium Acryloyldimethyltaurate Copolymer	S		Final report 3/2017 available from CIR
Acrylamide/Sodium Acryloyldimethyltaurate/ Acrylic Acid Copolymer	S		Final report 3/2017 available from CIR
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
Acrylates/Ammonium Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Acrylates/Bis-Hydroxypropyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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/Dimethiconol Acrylate Copolymer	S		IJT 36(Suppl. 3):31-50, 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/Ethylhexyl Acrylate/Styrene Copolymer	S		Final report 09/2014 available from CIR
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
Acryloyloxypropyl Polysilsesquioxane	S		Final report 12/2017 available from CIR
Actinidia Chinensis (Kiwi) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Adansonia Digitata Oil	S		IJT 36(Suppl. 3):51-129, 2017
Adansonia Digitata Seed Oil	S		IJT 36(Suppl. 3):51-129, 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	S		IJT 31 (S1):5-76, 2012
Adipic Acid Dihydrazide	Z		JACT 13(3):154-6, 1994
Adipic Acid/1,4 Butanediol/Terephthalate Copolymer	S		IJT 33(S3):36-47, 2014
Adipic Acid/CHDM/MA/Neopentyl Glycol/Trimellitic Anhydride Copolymer	I		Final report 09/2016
Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer	SQ	safe in nail product formulations	Final report 09/2016
Agar	S		Final report 09/2015 available from CIR
Agarose	S		Final report 09/2015 available from CIR
Alanine	S		IJT 32(S4):41-64, 2013
Alcaligenes Polysaccharides	S		IJT 35(Suppl. 1):5-49, 2016

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Alcohol Denat.	S		IJT 27 (S1):1-43, 2008
Alcohol Denat. Denatured With Quassin Or Brucine	UNS		IJT 27 (S1):1-43, 2008
Aldioxa	UNS		JACT 12(3):237-42, 1993
Aleurites Moluccanus Bakoly Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Aleurites Moluccanus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Algae Exopolysaccharides	S		Final report 09/2015 available from CIR
Algin	S		Final report 09/2015 available from CIR
Alginic Acid	S		Final report 09/2015 available from CIR
Allantoin	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Ascorbate	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Biotin	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Galacturonic Acid	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Glycyrrhetic Acid	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Panthenol	S		IJT 29(Suppl. 2): 84-97, 2010
Allantoin Polygalacturonic Acid	S		IJT 29(Suppl. 2): 84-97, 2010
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 Andongensis Extract	Z		IJT 26(S2):1-50, 2007
Aloe Andongensis Leaf Juice	Z		IJT 26(S2):1-50, 2007
Aloe Arborescens Leaf Extract	UNS		IJT 26(S2):1-50, 2007
Aloe Arborescens Leaf Juice	UNS		IJT 26(S2):1-50, 2007
Aloe Arborescens Leaf Protoplasts	UNS		IJT 26(S2):1-50, 2007
Aloe Barbadensis 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 Barbadensis 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
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Aloe Ferox Leaf Extract	UNS		IJT 26(S2):1-50, 2007
Aloe Ferox Leaf Juice	Z		IJT 26(S2):1-50, 2007
Aloe Ferox Leaf Juice Extract	Z		IJT 26(S2):1-50, 2007
Alumina	S		IJT 35(Suppl. 3):16-33, 2016
Alumina Magnesium Metasilicate	S		Final Report 09/09 available from CIR
Aluminum Calcium Sodium Silicate	S		Final Report 09/09 available from CIR
Aluminum Citrate	S		IJT 33 (S2): 16-46, 2014
Aluminum Dimyristate	S		IJT 29(S3):162-186,2010
Aluminum Distearate	S		JACT 1(2):143- 77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Aluminum Hydroxide	S		IJT 35(Suppl. 3):16-33, 2016
Aluminum Iron Silicates	S		Final Report 09/09 available from CIR
Aluminum Isostearates/Myristates	S		IJT 29(S3) :162-186,2010
Aluminum Myristate	S		IJT 29(S3) :162- 186,2010
Aluminum Myristates/Palmitates	S		IJT 29(S3) :162-186,2010
Aluminum Silicate	S		IJT 22(S1):37-102, 2003
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
Aluminum Stearate	S		JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Aluminum Tristearate	S		JACT 1(2):143 -77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Amaranthus Hypochondriacus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Amino Bispropyl Dimethicone	S		IJT 22(S2):11-35, 2003
Aminoethyl Propanediol	S		Final report 09/2013 available from CIR
Aminomethyl Propanediol	S		IJT 28 (S2):141-161 2009 JACT 9(2):203-28, 1990 (original report); final report 09/2013 available from CIR
Aminomethyl Propanol	S		IJT 28 (S2):141-161 2009 JACT 9(2):203-28, 1990 (original report)
m-Aminophenol	S		JACT 7(3):279-333, 1988 confirmed 09/05
o-Aminophenol	S		JACT 7(3):279-333, 1988 confirmed 09/05
p-Aminophenol	S		JACT 7(3):279-333, 1988 confirmed 09/05
Aminopropyl Dimethicone	S		IJT 22(S2):11-35, 2003
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 Acryloyldimethyltaurate/ Beheneth-25 Methacrylate Crosspolymer	S		Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/ Carboxyethyl Acrylate Crosspolymer	S		Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/ Laureth-7 Methacrylate Copolymer	S		Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/ Steareth-25 Methacrylate Crosspolymer	S		Final report 3/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Ammonium Acryloyldimethyltaurate/ Stearth-8 Methacrylate Copolymer	S		Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/VP Copolymer	S		Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/ Vinyl Formamide Copolymer	S		Final report 3/2017 available from CIR
Ammonium Alginate	S		Final report 09/2015 available from CIR
Ammonium Bicarbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Ammonium Bisulfite	S		IJT 22(S2):63- 88, 2003
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 Caseinate	S		Final report 09/2017 available from CIR
Ammonium Coco-Sulfate	S		IJT 29(S2): 115-132, 2010
Ammonium Cocomonoglyceride Sulfate	S		IJT 30(S1):5S-16S
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 Cumenesulfonate	S		IJT 30(S3):270-283, 2011
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 Glycyrrhizate	S		IJT 26 (S2):79-112, 2007
Ammonium Hydrolyzed Collagen	S		Final report 09/2017 available from CIR
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
Ammonium Laureth Sulfate	S	safe in the present practices of use and concentration when formulated to be non-irritating	JACT 2(5):1-34, 1983 confirmed 11/02 IJT 24(S1):85-89, 2005; IJT 29(Suppl. 3) :151-161,2010
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 productsfor 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Myristyl Sulfate	S		IJT 29(S2): 115-132, 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 Phosphatidyl Rapeseedate	S		Final report 03/2015 available from CIR
Ammonium Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ammonium Polyacryloyldimethyl Taurate	S		Final report 3/2017 available from CIR
Ammonium Stearate	S		JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Ammonium Styrene/Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Ammonium Sulfite	S		IJT 22 (S2):63-88, 2003
Ammonium Tallate	S		IJT 28(S3):252-258, 2009
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
Ammonium Xylenesulfonate	S		IJT 30 (S3):270-283, 2011
Amodimethicone	S		IJT 22(S2):11-35, 2003
Amodimethicone Hydroxystearate	S		IJT 22(S2):11-35, 2003
Amyl Acetate	S		JACT 7(6):705-19, 1988
Amyl Benzoate	S		IJT 31 (S3):342-372 (2012)
Amylodextrin	S		Final report 09/2015 available from CIR
Amylopectin	S		Final report 09/2015 available from CIR
Amylose	S		Final report 09/2015 available from CIR
Anacardium Occidentale (Cashew) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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
Aphanothece Sacrum Polysaccharide	S		Final report 09/2015 available from CIR
Apricot Kernel Amino Acids	S		IJT 33(S4):5-12, 2014
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 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Arabinoxylan	S		Final report 09/2015 available from CIR
Arachideth-20	SQ	safe in cosmetics as long as they are formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Arachidonic Acid	UNS		JACT 12(5):481-559, 1993
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 Glycol	S		IJT 31 (S2): 147-168, 2012
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
Arctium Lappa Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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
Argania Spinosa Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Arginine	S		IJT 32(S4):41-64, 2013
Arginine HCl	S		IJT 32(S4):41-64, 2013
Arnica Montana	UNS		IJT 20(S2):1-11, 2001
Arnica Montana Extract	UNS		IJT 20(S2):1-11, 2001
Ascorbyl Dipalmitate	S		IJT 18(S3):1-26, 1999; Final report 06/2017 available from CIR
Ascorbyl Isostearate	S		Final report 06/2017 available from CIR
Ascorbyl Linoleate	S		Final report 06/2017 available from CIR
Ascorbyl Palmitate	S		IJT 18(S3):1- 26, 1999; Final report 06/2017 available from CIR
Ascorbyl Stearate	S		IJT 18(S3):1-26, 1999; Final report 06/2017 available from CIR
Ascorbyl Tetraisopalmitate	S		Final report 06/2017 available from CIR
Ascorbyl Tocopheryl Acetate	S		Final report 03/2014 available from CIR
Ascorbyl Tocopheryl Maleate	S		Final report 03/2014 available from CIR
Asparagine	S		IJT 32(S4):41-64, 2013
Aspartic Acid	S		IJT 32(S4):41-64, 2013
Astragalus Gummifer Gum	S		JACT 6(1):1-22, 1987 confirmed 09/04; Final report 09/2015 available from CIR
Astrocaryum Murumuru Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Astrocaryum Vulgare Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Atelocollagen	S		Final report 09/2017 available from CIR
Attapulgate	S		IJT 22(S1):37-102, 2003
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Oil	S	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	IJT 36(Suppl. 3):51-129, 2017
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) Meristem Cell Extract	Z	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) Starch	S	safe in cosmetics in the present practices of use and concentration described in this safety assessment when formulated to be non-sensitizing	Final report 09/2015 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
Avocadamide 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Avocamidopropyl 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
Avocamidopropyl 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	S		JEPT 4(4):93-103, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
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
Azelaic Acid	S		IJT 31 (S1):5-76, 2012
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
Azulene	UNS		IJT 18(S3):27-32, 1999
BHA	S		JACT 3(5):83-146, 1984
BHT	S		IJT 21(S2):19-94, 2002
Babassu Acid	S		IJT 36(Suppl. 3):51-129, 2017
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 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
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
Basic Blue 99	S		IJT 26(S2):51-63, 2007
Basic Violet 1	Z		IJT 28(S3):193-204, 2009
Basic Violet 3	Z		IJT 28(S3):193-204, 2009
Basic Violet 4	Z		IJT 28(S3):193-204, 2009
Bassia Butyracea Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Bassia Latifolia Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Batyl Alcohol	S		IJT 32 (S3): 5-21, 2013
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
Beeswax	S		JACT 3(3):1-41, 1984 confirmed 06/03 IJT 24(S1):48-52, 2005
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 int the CIR safety	IJT 32(S1):36-58, 2013

Quick Reference Table

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	
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)
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)
Behenoxy Dimethicone	S		IJT 22(S2):11-35, 2003; Final report 12/2014 available from CIR
Behenoxy PEG-10 Dimethicone	S		Final report 12/2014 available from CIR
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 Alcohol	S		JACT 7(3):359-413, 1988 confirmed 12/05
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 Benzoate	S		IJT 31 (S3):342-372 (2012)
Behenyl Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Behenyl Dimethicone/bis-vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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
Bentonite	S	12-80% in mud packs; up to 8% for other uses	IJT 22(S1):37-102, 2003
Benzaldehyde	S		IJT 25(S1):11-27
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
Benzoic Acid	S		IJT 36(Suppl. 3):5-30, 2017; original IJT 20(S3):23-50, 2001
Benzophenone-1	S		JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-11	S		JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-2	S		JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-3	S		JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-4	S		JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Benzophenone-5	S		JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-6	S		JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-8	S		JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-9	S		JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzoxiquine	Z		IJT 16(S1):117- 22,1997
Benzyl Alcohol	S		IJT 36(Suppl. 3):5-30, 2017; IJT 20(S3):23-50, 2001 (original report)
Benzyl Benzoate	S		IJT 36(Suppl. 3):5-30, 2017
Benzylparaben	S		IJT 27(S4): 1-82, 2008 JACT 5 (5):301-307, 1986 (original report)
Bertholletia Excelsa Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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
Beta-Glucan	S		IJT 35(Suppl. 1):5-49, 2016
Beta-Glucan Hydroxypropyltrimonium Chloride	S		IJT 35(Suppl. 1):5-49, 2016
Beta-Glucan Palmitate	S		IJT 35(Suppl. 1):5-49, 2016
Beta-Sitosterol	S		Final report 12/2013 available from CIR
Beta-Sitosteryl Acetate	S		Final report 12/2013 available from CIR
Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Biosaccharide Gum-1	S		IJT 35(Suppl. 1):5-49, 2016
Biosaccharide Gum-2	S		IJT 35(Suppl. 1):5-49, 2016/citation>
Biosaccharide Gum-3	S		IJT 35(Suppl. 1):5-49, 2016
Biosaccharide Gum-4	S		IJT 35(Suppl. 1):5-49, 2016
Biosaccharide Gum-5	S		IJT 35(Suppl. 1):5-49, 2016
Biotin	S		IJT 20(S4):1-12, 2001
Bis (Tripeptide-1) Copper Acetate	S		Final report 06/2014 available from CIR
Bis-C16-20 Isoalkoxy TMHDI/PEG-90 Copolymer	S		Final report 06/2016 available from CIR
Bis-Cetyl/PEG-8 Cetyl PEG-8 Dimethicone	S		Final report 12/2014 available from CIR
Bis-Diglyceryl Polyacyladipate-1	S		IJT 32(S3):56-64, 2013
Bis-Diglyceryl Polyacyladipate-2	S		IJT 32(S3):56-64, 2013
Bis-Hydroxyethoxypropyl Dimethicone	S		Final report 12/2014 available from CIR
Bis-Hydroxyethyl Acrylate Poly(1,4-Butanediol) 9/TMHDI Copolymer	S		Final report 06/2016 available from CIR
Bis-Hydroxyethyl Acrylate Poly(1,4-Butanediol)-9/TMHDI Copolymer	I		Final report 06/2016 available from CIR
Bis-Isobutyl PEG-13/Dimethicone Copolymer	S		Final report 12/2014 available from CIR
Bis-Isobutyl PEG-24/PPG-7/Dimethicone Copolymer	S		Final report 12/2014 available from CIR
Bis-Isobutyl PEG/PPG-10/7/Dimethicone Copolymer	S		Final report 12/2014 available from CIR
Bis-Isostearyl 1,4-Butanediol/HDI/Hydrogenated Dimer Dilinoleyl Alcohol Copolymer	S		Final report 06/2016 available from CIR
Bis-Lauryl Cocaminopropylamine/HDI/PEG-100 Copolymer	S		Final report 06/2016 available from CIR
Bis-Methoxy PEG-10 Dimethyl MEA/HDI/Bis PEG-10 Dimethicone Copolymer	S		Final report 06/2016 available from CIR
Bis-PEG-1 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-10 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone Beeswax	S		Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone Candelillate	S		Final report 12/2014 available from CIR
Bis-PEG-15 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-20 Dimethicone	S		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Bis-PEG-4 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-8 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG-8 PEG-8 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-14/14 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-15/5 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-16/16 PEG/PPG-16/16 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-18/6 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-20/20 Dimethicone	S		Final report 12/2014 available from CIR
Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone	S		Final report 12/2014 available from CIR
Bis-Phenylisopropyl Phenylisopropyl Dimethicone/Vinyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Bis-Stearoxy Dimethicone	S		Final report 12/2014 available from CIR
Bis-Stearoxydimethylsilane	S		Final report 12/2016 available from CIR
Bis-Stearoxyethyl Dimethicone	S		Final report 12/2014 available from CIR
Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Bis-Vinyldimethicone/Bis-Isobutyl PPG-20 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Bis-Vinyldimethicone/PEG-10 Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Bis-Vinyldimethicone/PPG-20 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Bisabolol	S		IJT 18(S3):33-40, 1999
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
Borago Officinalis Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Boric Acid	SQ	5%; but not safe for use on infant or injured skin	JACT 2(7):87-125, 1983 confirmed 06/03
Boron Nitride	S		IJT 34(Suppl.3):53-60, 2015
Brassica Campestris (Rapeseed) Sterols	S		Final report 12/2013 available from CIR
Brassica Campestris (Rapeseed) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Brassica Campestris (Rapeseed) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Brassica Napus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Brassica Oleracea Acephala Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Brassica Oleracea Italica (Broccoli) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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
Brucine (denaturant)	Z		IJT 27 (S1):1-43, 2008
Brucine Sulfate (denaturant)	UNS		IJT 27 (S1):1-43, 2008
n-Butane (aka Butane)	S		JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Butene/Propylene Copolymer	S		Final report 06/2015 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
Butoxyethyl Acetate	S		IJT 31(S1):112-136, 2012
Butyl Acetate	S		JACT 8(4):681-705, 1989 confirmed 08/06
<i>t</i> -Butyl Acetate	S		IJT 31(S1):112-136, 2012
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 Acrylate/Styrene Copolymer	S		Final report 09/2014 available from CIR
<i>t</i> -Butyl Alcohol	S		IJT 24 (2):1-20, 2005 (Amended) JACT 8(4):627-41, 1989 (Original Report)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
n-Butyl Alcohol	S		IJT 27(S2): 53-69, 2008 JACT 6(3):403-25, 1987 (Original Report)
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 Benzoate	S		IJT 31(S3):342-372 (2012)
Butyl Benzyl Phthalate	S		JACT 11 (1):1-23, 1992; IJT 30(S2):73-127, 2011
Butyl Ester Of PVM/MA Copolymer	S		Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
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 applied by trained professionals, and when application is accompanied by directions for the daily use of sun protection.	IJT 17(S1):1-242, 1998
<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 Stearate	S	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
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
Butyldimethicone Methacrylate/ Methyl Methacrylate Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Butylene Glycol	S		JACT 4(5):223 -48, 1985 confirmed 02/04 IJT 25(S2), 2006
Butylene Glycol Cocoate	S		IJT 30 (S1):5S-16S, 2011
Butylene Glycol Dicaprylate/Dicaprate	S		Final report 09/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Butylene Glycol Diisononanoate	S		IJT 30(S3):228-269, 2011; Final report 09/2017 available from CIR
Butylene/Ethylene Copolymer	S		Final report 06/2015 available from CIR
Butylene/Ethylene/Propylene Copolymer	S		Final report 06/2015 available from CIR
Butylene/Ethylene/Styrene Copolymer	S		Final report 09/2014 available from CIR
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 Benzoate	S		IJT 31(S3):342-372 (2012)
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
Butylparaben	S	up to 0.4% if used alone; parabens mixture up to 0.8%	IJT 27(S4): 1-82, 2008 JACT 3(5):147-209, 1984 (original report)
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)
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)
C10-18 Triglycerides	S		Final report 12/2017 available from CIR
C10-40 Isoalkyl Acid Octadecanol Esters	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C10-40 Isoalkyl Acid Phytosterol Esters	S		Final report 12/2013 available from CIR
C10-40 Isoalkyl Acid Triglyceride	S		Final report 12/2017 available from CIR
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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 Benzoate	S		IJT 31 (3):342-372 (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)



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Acid Triglyceride	S		Final report 12/2017 available from CIR
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
C14-18 Glycol	S		IJT 31 (S2): 147-168, 2012
C14-30 Alkyl Beeswax	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C15-18 Glycol	S		IJT 31 (S2): 147-168, 2013
C15-35 Isoparaffin/Isoalkylcycloalkanes	SQ	safe when formulated to be non-irritating	IJT 31(S3): 269-295 (2012)
C16-17 Alkyl Benzoate	S		IJT 31(3):342-372 (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
C18-22 Hydroxyalkyl Hydroxypropyl Guar	S		IJT 34(S1): 35-65, 2015
C18-30 Glycol	S		IJT 31 (S2): 147-168, 2014
C18-36 Acid Triglyceride	S		Final report 12/2017 available from CIR
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
C20-30 Glycol	S		IJT 31 (S2): 147-168, 2015
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)
C24-28 Alkyl Methicone	S		IJT 22(S2):11-35, 2003
C26-28 Alkyldimethylsilyl Polypropylsilsesquioxane	S		Final report 12/2017 available from CIR
C30-45 Alkyl Cetearyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
C30-45 Alkyl Dimethicone	S		IJT 22(S2):11-35, 2003
C30-45 Alkyl Dimethicone/ Polycyclohexene Oxide Crosspolymer	S		IJT 33 (S2): 65-115, 2014
C30-45 Alkyl Methicone	S		IJT 22(S2):11-35, 2003
C30-45 Alkyldimethylsilyl Polypropylsilsesquioxane	S		Final report 12/2017 available from CIR
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)

Quick Reference Table

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
C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
C4-5 Isoalkyl Cocoate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
C4-6 Olefin/Styrene Copolymer	S		Final report 09/2014 available from CIR
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)
C5-6 Olefin/Styrene Copolymer	S		Final report 09/2014 available from CIR
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
C8-12 Acid Triglyceride	S		Final report 12/2017 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)
Caesalpinia Spinosa Gum	S		IJT 34(S1): 35-65, 2015
Caesalpinia Spinosa Hydroxypropyltrimonium Chloride	S		IJT 34(S1): 35-65, 2015
Calcium Acetate	S		IJT 31(S1):112-136, 2012
Calcium Alginate	S		Final report 09/2015 available from CIR
Calcium Aluminum Borosilicate	S		IJT 32(S3): 65-72, 2013
Calcium Ascorbate	S		IJT 24(2):51-111, 2005
Calcium Aspartate	S		IJT 32(S4):41-64, 2013
Calcium Benzoate	S		IJT 36(Suppl. 3):5-30, 2017
Calcium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Calcium Carboxymethyl Cellulose	S		IJT 5 (3): 1-59, 1986 (original report); Amended safety assessment 03/09 - Available from CIR
Calcium Carrageenan	S		Final report 09/2015 available from CIR
Calcium Caseinate	S		Final report 09/2017 available from CIR
Calcium Citrate	S		IJT 33 (S2): 16-46, 2014
Calcium Dihydrogen Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Calcium Disodium EDTA	S		IJT 21(S2):95-142, 2002
Calcium Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Calcium Gluconate	S		Final report 03/2014 available from CIR
Calcium Glycinate	S		IJT 32(S4):41-64, 2013
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.	IJT 17(S1):1-242, 1998

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		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.	
Calcium Hydrolyzed Collagen	S		Final report 09/2017 available from CIR
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 Myristate	S		IJT 29(S3) :162-186,2010
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
Calcium Pantothenate	S		Final report 12/2017 available from CIR
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 Silicate	S		IJT 22(S1):37-102, 2003
Calcium Sodium Borosilicate	S		IJT 32(S3): 65-72, 2013
Calcium Starch Isododecenylo succinate	S		Final report 09/2015 available from CIR
Calcium Starch Octenylsuccinate	S		Final report 09/2015 available from CIR
Calcium Stearate	S		JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
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
Calcium Titanium Borosilicate	S		IJT 32(S3): 65-72, 2013
Calcium Xylenesulfonate	S		IJT 30(S3):270-283, 2011
Calcium/Sodium PVM/MA Copolymer	S		IJT 30(Suppl. 2):128-144, 2011; JACT 12(3):243-56, 1993 (original report)
Calendula Officinalis Extract	S		IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower	S		IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower Extract	S		IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower Oil	S		IJT 29 (S4): 221-243, 2010

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Calendula Officinalis Seed Oil	S		IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Camellia Japonica Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Camellia Kissi Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Camellia Oleifera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Camellia Sinensis Catechins	SQ	safe for use in cosmetics when formulated to be non-sensitizing	Final report 09/2014 available from CIR
Camellia Sinensis Flower Extract	Z		Final report 09/2014 available from CIR
Camellia Sinensis Flower/Leaf/Stem Juice	Z		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
Camellia Sinensis Root Extract	Z		Final report 09/2014 available from CIR
Camellia Sinensis Seed Extract	Z		Final report 09/2014 available from CIR
Camellia Sinensis Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Camellia Sinensis Seed Powder	Z		Final report 09/2014 available from CIR
Camellia Sinensis Seedcoat Powder	Z		Final report 09/2014 available from CIR
Camellina Sativa Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Canarium Indicum Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Candelilla Wax; Now Euphorbia Cerifera (Candelilla) Wax	S		JACT 3(3):1-41, 1984 confirmed 06/03; IJT 24(S1):1-102, 2005
Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Canola Oil	S		IJT 36(Suppl. 3):51-129, 2017
Canola Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Canola Sterols	S		Final report 12/2013 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
Capric/Lauric/Myristic/Oleic Triglyceride	S		Final report 12/2017 available from CIR
Caprooyl Phytosphingosine	S		Final report 03/2015 available from CIR
Caprooyl Sphingosine	S		Final report 03/2015 available from CIR
Caproyl Sphingosine	S		Final report 03/2015 available from CIR
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
Caprylic/Capric Triglyceride	S		JEPT 4(4):105-20, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003; Final report 12/2017 available from CIR
Caprylic/Capric/Coco Glycerides	S		IJT 30(S1):5S-16S
Caprylic/Capric/Lauric Triglyceride	S		Final report 12/2017 available from CIR
Caprylic/Capric/Linoleic Triglyceride	S		Final report 12/2017 available from CIR
Caprylic/Capric/Myristic/Stearic Triglyceride	S		Final report 12/2017 available from CIR
Caprylic/Capric/Palmitic/Stearic Triglyceride	S		Final report 12/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Caprylic/Capric/Stearic Triglyceride	S		Final report 12/2017 available from CIR
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 Glyceryl Ether	S		IJT 32 (S3): 5-21, 2013
Caprylyl Glycol	S		IJT 31 (S2): 147-168, 2012
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
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
Captan	UNS		JACT 8(4):643-80, 1989
Carapa Guaianensis Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Carbomer-910	S		JACT 1(2) 109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-934, -934P, -940, -941	S		JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-934P	S		JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-940	S		JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-941	S		JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-962	S		JACT 1(2) 109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carboxymethyl Dextran	S		IJT 35(Suppl. 1):5-49, 2016
Carboxymethyl Hydroxyethylcellulose	S		Amended safety assessment 03/09 - Available from CIR
Carboxymethyl Hydroxypropyl Guar	S		IJT 34(S1): 35-65, 2015
Carica Papaya Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Carnauba (Copernicia Cerifera) Wax			JACT 3(3):1-41, 1984 confirmed 06/03; IJT 24(S1):1-102, 2005
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Carnitine PCA	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Carrageenan	S		Final report 09/2015 available from CIR
Carthamus Tinctorius (Safflower) Seed Oil	S		JACT 4(5):171-97, 1985 confirmed 02/04; IJT 25(S2):1-89,2006; IJT 36(Suppl. 3):51-129, 2017
Carvacrol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Carya Illinoensis (Pecan) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Caryocar Brasiliense Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Casein	S		Final report 09/2017 available from CIR
Casein Extract	S		Final report 09/2017 available from CIR
Cassia Angustifolia Seed Polysaccharide	S		Final report 09/2015 available from CIR
Cassia Gum	S		IJT 34 (S1): 35-65, 2015
Cassia Hydroxypropyltrimonium Chloride	S	in rinse-off	IJT 34 (S1): 35-65, 2015
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
Cellobiose Octanonoate	S		IJT 30(S3):228-269, 2011
Cellulose	S		Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate	S		Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate Butyrate	S		Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate Propionate	S		Amended safety assessment 03/09 - Available from CIR
Cellulose Gum	S		Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
Cellulose Succinate	S		Amended safety assessment 03/09 - Available from CIR
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
Ceramide 1 [retired]	S		Final report 03/2015 available from CIR
Ceramide 1A [retired]	S		Final report 03/2015 available from CIR
Ceramide 2 [retired]	S		Final report 03/2015 available from CIR
Ceramide 3 [retired]	S		Final report 03/2015 available from CIR
Ceramide 4 [retired]	S		Final report 03/2015 available from CIR
Ceramide 5 [retired]	S		Final report 03/2015 available from CIR
Ceramide 6 II [retired]	S		Final report 03/2015 available from CIR
Ceramide AP	S		Final report 03/2015 available from CIR
Ceramide AS	S		Final report 03/2015 available from CIR
Ceramide EOP	S		Final report 03/2015 available from CIR
Ceramide EOS	S		Final report 03/2015 available from CIR
Ceramide NG	S		Final report 03/2015 available from CIR
Ceramide NP	S		Final report 03/2015 available from CIR
Ceramide NS	S		Final report 03/2015 available from CIR
Ceramide NS Dilaurate	S		Final report 03/2015 available from CIR
Ceratonina Siliqua Gum	S		IJT 34(S1): 35-65, 2015
Ceresin	S		JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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)
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)
Ceteartrimonium Chloride	SQ	safe in the present practices of use and concentration, when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Cetearyl Alcohol	S		JACT 7(3):359-413, 1988 confirmed 12/05
Cetearyl Behenate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Cetearyl Candelillate			IJT 34(Suppl.2):5-69, 2015
Cetearyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Cetearyl Dimethicone/Vinyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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 Methicone	S		IJT 22(S2):11-35, 2003
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





Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Acetate	S		IJT 31(S1):112-136, 2012
Cetyl Alcohol	S		JACT 7(3):359-413, 1988 confirmed 12/05
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 Dimethicone	S		IJT 22(S2):11-35, 2003
Cetyl Dimethicone/Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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 Glyceryl Ether/ Chimyl Alcohol	S		IJT 32 (S3): 5-21, 2013
Cetyl Glycol	S		IJT 31 (S2): 147-168, 2012
Cetyl Hexacosyl Dimethicone/Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Cetyl Hydroxyethylcellulose	S		Amended safety assessment 03/09 - Available from CIR
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
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 PEG-8 Dimethicone	S		Final report 12/2014 available from CIR
Cetyl PEG/PPG-10/1 Dimethicone	S		Final report 12/2014 available from CIR
Cetyl PEG/PPG-15/15 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
Cetyl PEG/PPG-7/3 Dimethicone	S		Final report 12/2014 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Chenopodium Quinoa Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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)
Chloroacetamide	U	sensitization	JACT 10(1):21- 32, 1991
Chlorophene	Z		IJT 23(S1):1-27 2004
Chlorothymol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006
Chloroxyleneol	S		JACT 4(5):147-69, 1985 confirmed 02/04 IJT 25(S2), 2006
Chlorphenesin	S		IJT 33 (2): 5-15, 2014
Cholesterol	S		JACT 5(5):491-516, 1986 confirmed 12/04 IJT 25(S2), 2006
Cholesterol/HDI/Pullulan Copolymer	S		Final report 06/2016 available from CIR
Cholesteryl Nonanoate	S		IJT 30 (S3):228-269, 2011
Choleth-24	S		JACT 1(4):119-26, 1982 confirmed 06/02 IJT 24(S1):32-34, 2005
Choline Chloride	SQ	safe when formulated to be non- irritating	IJT 31(S3): 296-341 (2012)
Cichorium Intybus (Chicory) Root Oligosaccharides	S		Final report 09/2015 available from CIR
Citric Acid	S		IJT 33 (S2): 16-46, 2014
Citrullus Lanatus (Watermelon) Seed Oil	S		F IJT 36(Suppl. 3):51-129, 2017
Citrus Aurantifolia (Lime)	I		Final report 12/2016 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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) Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
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 (Bitter Orange) Oil	I		Final report 12/2016 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Citrus Aurantium Amara (Bitter Orange) Leaf/Twig Oil	SQ	formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
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) Flower/Leaf/Stem Powder	I		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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Citrus Aurantium Dulcis (Orange) Leaf Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR
Citrus Aurantium Dulcis (Orange) Oil	I		Final report 12/2016 available from CIR
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 Dulcis (Orange) Seed Oil	S		Final report 03/11 available from CIR
Citrus Aurantium Dulcis (Orange) Seed Oil Unsaponifiables	S		Final report 03/11 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 Sinensis Powder	I		Final report 12/2016 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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)	I		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) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Citrus Grandis (Grapefruit) Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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/Natsudaikai 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/Natsudaikai 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 Hassaku/Natsudaikai 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 Oil	I		Final report 12/2016 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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) Flower/Leaf/Stem Extract	I		Final report 12/2016 available from CIR
Citrus Limon (Lemon) Flower/Leaf/Stem Oil	I		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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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) Leaf/Peel/Stem Oil	I		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 Limon (Lemon) Seed Oil	S		Final report 03/11 available from CIR
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	Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		0.0015% (15 ppm) 5-methoxypsoralen (5-MOP), and when formulated to be non-sensitizing and non-irritating.	
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, 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) 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 Nobilis (Mandarin Orange) Water	I		Final report 12/2016 available from CIR
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 Paradisi (Grapefruit) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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,	Final report 12/2015 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	
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
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,	Final report 12/2015 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		provided that leave-on products do not contain more than 0.0015% (15 ppm) 5-methoxypsoralen (5-MOP).	
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
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 Extract	I		Final report 12/2016 available from CIR
Citrus Unshiu Flower Extract	SQ	when formulated to be non-irritating and non-sensitizing	Final report 12/2016 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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
Coal Tar	UNS		IJT 27(S2):1-24, 2008
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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)
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/Caprates	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
Cocoamphoacetate	S		JACT 9(2):121-42, 1990 confirmed 04/06
Cocoamphodiacetate	S		JACT 9(2):121-42, 1990 confirmed 04/06
Cocoamphodipropionate	S		JACT 9 (2):121-42, 1990 confirmed 04/06
Cocoamphopropionate	S		JACT 9(2):121-42, 1990 confirmed 04/06
Cocoglycerides	S		IJT 30 (S1):5S-16S
Coconut Acid	S		JACT 5(3):103-21, 1986 (original report); IJT 30 (s1): 5s-16s, 2011; IJT 36(Suppl. 3):51-129, 2017
Coconut Alcohol	S		IJT 30 (S1):5S-16S, 2011
Coconut Oil Decyl Esters	S		IJT 30(S1):5S-16S, 2011
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
Cocos Nucifera (Coconut) Oil	S		JACT 5(3):103-21, 1986 (original report); IJT 30 (s1): 5s-16s, 2011; IJT 36(Suppl. 3):51-129, 2017
Cocos Nucifera (Coconut) Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
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)
Cod Liver/Mink/Tallow Triglyceride	S		Final report 12/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Coffee Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Coix Lacryma-Jobi (Job's Tears) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Collagen	S		Final report 09/2017 available from CIR
Collagen Amino Acids	S		IJT 33(S4):5-12, 2014
Collodion	S		IJT 35(Suppl. 1):50-59, 2016
Copernicia Cerifera (Carnauba) Wax	S		JACT 3(3):1-41, 1984 confirmed 06/03 IJT 24(S1):48-52, 2005
Copper Citrate	S		IJT 33 (S2): 16-46, 2014
Copper Tripeptide-1	S		Final report 06/2014 available from CIR
Corn Acid	S		IJT 30(S1):17- 39, 2011; IJT 36(Suppl. 3):51-129, 2017
Corn Gluten Amino Acids	S		IJT 33(S4):5-12, 2014
Corn Glycerides	S		IJT 30(Suppl. 1):17-39, 2011
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
Corn Starch Modified	S		Final report 09/2015 available from CIR
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 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
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 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
Corylus Americana (Hazelnut) Leaf Extract	Z		IJT 20(S1):15-20, 2001
Corylus Americana (Hazelnut) Seed Extract	Z		IJT 20(S1):15-20, 2001
Corylus Americana (Hazelnut) Seed Oil	S		IJT 20(S1):15-20, 2001; IJT 36(Suppl. 3):51-129, 2017
Corylus Avellana (Hazelnut) Leaf Extract	UNS		IJT 20(S1):15-20, 2001
Corylus Avellana (Hazelnut) Seed Extract	Z		IJT 20(S1):15-20, 2001
Corylus Avellana (Hazelnut) Seed Oil	S		IJT 20(S1):15-20, 2001; IJT 36(Suppl. 3):51-129, 2017
Corylus Rostrata (Hazelnut) Leaf Extract	Z		IJT 20(S1):15-20, 2001
Corylus Rostrata (Hazelnut) Seed Extract	Z		IJT 20(S1):15-20, 2001
Cottonseed Acid	S		IJT 20 (S2):21-29, 2001; IJT 36(Suppl. 3):51-129, 2017
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
Crambe Abyssinica Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
m-Cresol And o-Cresol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006 (Amended Report)
p-Cresol	Z		IJT 25(S1):29-127, 2006
Crotonic Acid/Vinyl C8-12 Isoalkyl Esters/ VA/Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Cucumis Sativus (Cucumber) Extract	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit Extract	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit Water	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Juice	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Seed Extract	S		IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Cucurbita Pepo (Pumpkin) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Cyamopsis Tetragonoloba (Guar) Gum	S		IJT 34 (S1): 35-65, 2015
Cyclodextrin	S		Final report 09/2015 available from CIR
Cyclodextrin Hydroxypropyltrimonium Chloride	S		Final report 09/2015 available from CIR
Cyclodextrin Laurate	S		Final report 09/2015 available from CIR
Cycloheptasiloxane	S		IJT 30(S3):149-227, 2011
Cyclohexasiloxane	S		IJT 30 (S3):149-227, 2011
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
Cyclomethicone	S		JACT 10 (1):9-19, 1991 (original report); IJT 30(S3):149-227, 2011
Cyclopentasiloxane	S		IJT 30(S3):149-227, 2011
Cyclotetraglucose	S		Final report 09/2015 available from CIR
Cyclotetrasiloxane	S		IJT 30(S3):149-227, 2011
<i>o</i> -Cymen-5-ol	SQ	up to 0.5%	IJT 25 (S1):29-127, 2006 JACT 3(3):131-55, 1984 (Original Report)
Cynara Cardunculus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Cysteine	S		IJT 32(S4):41-64, 2013
Cysteine HCl	S		IJT 32(S4):41-64, 2013
Cystine	S		IJT 32(S4):41-64, 2013
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
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
DMDM Hydantoin	S		JACT 7(3):245-77, 1988 confirmed 09/05
Decene/butene Copolymer	S		Final report 06/2015 available from CIR
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
Decyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013
Decyl HDI/PEG-180 Crosspolymer	S		Final report 06/2016 available from CIR
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
Decyl Oliviate	S	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Palmitate	S	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Decyl Succinate	S		IJT 31 (S1):5-76, 2012
Decylene Glycol	S		IJT 31 (S2): 147-168, 2012
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Dehydroacetic Acid	S		JACT 4(3):123- 59, 1985 confirmed 11/03 IJT 25(S2), 2006
Dehydroxanthan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Denatonium Benzoate	S	safe as a denaturant	IJT 27 (S1):1-43, 2008
Dextran	S		IJT 35(Suppl. 1):5-49, 2016
Dextran Hydroxypropyltrimonium Chloride	S		IJT 35(Suppl. 1):5-49, 2016
Dextran Sulfate	S		IJT 35(Suppl. 1):5-49, 2016
Dextrin	S		Final report 09/2015 available from CIR
Dextrin Behenate	S		Final report 09/2015 available from CIR
Dextrin Isostearate	S		Final report 09/2015 available from CIR
Dextrin Laurate	S		Final report 09/2015 available from CIR
Dextrin Myristate	S		Final report 09/2015 available from CIR
Dextrin Palmitate	S		Final report 09/2015 available from CIR
Dextrin Palmitate/Ethylhexanoate	S		Final report 09/2015 available from CIR
Dextrin Stearate	S		Final report 09/2015 available from CIR
Di-C12 - 15 Alkyl Adipate	S		IJT 31(S1):5-76, 2012
Di-C12 - 15 Alkyl Fumarate	S		Safety Assessment 03/09 - Available from CIR
Di-C12-13 Alkyl Malate	S		IJT 34(S1): 5-17, 2015
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
Di- <i>t</i> -Butylhydroquinone	Z		JACT 15(4):311-9, 1996
Diammonium Citrate	S		IJT 33 (S2): 16-46, 2014
Diammonium EDTA	S		IJT 21 (S2):95-142, 2002
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
Dibehenyl Fumarate	S		Final report 03/09 - Available from CIR
Dibutyl Adipate	S		IJT 25(S1):129-134, 2006 JACT 15(4):295-300, 1996 (original Report); IJT 31(Suppl 1):5-76, 2012
Dibutyl Phthalate	S		JACT 4(3):267- 303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Dibutyl Sebacate	S		IJT 31(Suppl 1):5-76, 2012
Dibutylloctyl Malate	S		IJT 34(S1): 5-17, 2015
Dibutylloctyl Sebacate	S		IJT 31(S1):5-76, 2012
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 Adipate	S		IJT 31 (S1):5-76, 2012
Dicapryl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Dicapryl Succinate	S		IJT 31 (S1):5-76, 2012
Dicapryl/Capryl Sebacate	S		IJT 31 (S1):5-76, 2012
Dicetearyl Dimer Dilinoleate	S		IJT 22 (S2):45-61, 2003
Dicetearyl Succinate	S		IJT 31 (S1):5-76, 2012
Dicetyl Adipate	S		IJT 31 (S1):5-76, 2012
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
Dichlorophene	Z		IJT 23(S1):1-27 2004

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Diethyl Adipate	S		IJT 31(S1):5-76, 2012
Diethyl Malonate	S		IJT 31 (S1):5-76, 2012
Diethyl Phthalate	S		JACT 4(3):267- 303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Diethyl Sebacate	S		IJT 31(S1):5-76, 2012
Diethyl Succinate	S		IJT 31 (S1):5-76, 2012
Diethylene Glycol Diethylhexanoate/Diisononanoate	S		IJT 30(S3):228-269, 2011
Diethylene Glycol Diisononanoate	S		IJT 30(S3):228-269, 2011
Diethylene Glycol/DMAP Acrylamide/ PEG 180/HDI Copolymer	S		Final report 06/2016 available from CIR
Diethylhexyl Adipate	S		JACT 3 (3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005; IJT 31(Suppl 1):5-76, 2012
Diethylhexyl Dimer Dilinoleate	S		IJT 22 (S2):45-61, 2003
Diethylhexyl Fumarate	S		Final report 03/09 - Available from CIR
Diethylhexyl Malate	S		IJT 34(S1): 5-17, 2015
Diethylhexyl Sebacate	S		IJT 31(Suppl 1):5-76, 2012
Diethylhexyl Sodium Sulfosuccinate	S		IJT (S4):1-20, 1998; IJT 35(Suppl. 3):34-46, 2016
Diethylhexyl Succinate	S		IJT 31 (S1):5-76, 2012
Diethylpentanediol Dineopentanoate	S		Final report 09/2017 available from CIR
Diheptyl Sodium Sulfosuccinate	SQ		IJT 35(Suppl. 3):34-46, 2016
Diheptylundecyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Dihexyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Dihexyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Dihexyldecyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Dihexyldecyl Sebacate	S		IJT 31(Suppl 1):5-76, 2012
Dihydrogenated Tallow Benzylmonium Hectorite	S		IJT 32(S4):33-40, 2013
Dihydrophytosteryl Octyldecanoate	S		Final report 12/2013 available from CIR
Diisoamyl Malate	S		IJT 34(S1): 5-17, 2015
Diisobutyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisobutyl Glutarate	S		IJT 31(Suppl 1):5-76, 2012
Diisobutyl Sodium Sulfosuccinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 35(Suppl. 3):34-46, 2016
Diisobutyl Succinate	S		IJT 31(Suppl 1):5-76, 2012
Diisocetyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisocetyl Dodecanedioate	S		IJT 31 (S1):5-76, 2012
Diisodecyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisononyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisooctyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisooctyl Sebacate	S		IJT 31(Suppl 1):5-76, 2012
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
Diisopropyl Adipate	S		JACT 3 (3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005; IJT 31(Suppl 1):5-76, 2012
Diisopropyl Dimer Dilinoleate	S		IJT 22(S2):45-61, 2003
Diisopropyl Sebacate	S		IJT 31 (S1):5-76, 2012

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Diisostearyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diisostearyl Dimer Dilinoleate	S		IJT 22(S2):45-61, 2003
Diisostearyl Fumarate	S		Final report 03/09 - Available from CIR
Diisostearyl Glutarate	S		IJT 31(Suppl 1):5-76, 2012
Diisostearyl Malate	S		IJT 34(S1): 5-17, 2015
Diisostearyl Sebacate	S		IJT 31 (S1):5-76, 2012
Dilauryl Citrate	S		IJT 33 (S2): 16-46, 2014
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
Dimethicone	S		IJT 22(S2):11-35, 2003
Dimethicone Copolyol	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone Crosspolymer-3	S		IJT 33 (S2): 65-115, 2014
Dimethicone PEG-10 Phosphate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG-6 Acetate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2006
Dimethicone PEG-7 Phosphate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG-8 Adipate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2007
Dimethicone PEG-8 Benzoate	S		JACT 1 (4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG/PPG-12/4 Phosphate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG/PPG-20/23 Benzoate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG/PPG-7/4 Phosphate	S		JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone/Bis-Isobutyl PPG-20 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Bis-Vinyldimethicone/Silsesquioxane Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Divinyldimethicone/Silsesquioxane Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Lauryl Dimethicone/Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-10 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-10/15 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-15 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/PPG-20 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Phenyl Vinyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Polyglycerin-3 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Silsesquioxane Copolymer	S		Final report 12/2017 available from CIR
Dimethicone/Titanate Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Vinyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer	S		IJT 33 (S2): 65-115, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Dimethiconol	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Arginine	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Beeswax	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Behenate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Borageate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Candelillate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Carnaubate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Cysteine	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Dhupa Butterate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Hydroxystearate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Illipe Butterate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Isostearate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Kokum Butterate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Lactate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Meadowfoamate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Methionine	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Mohwa Butterate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Panthenol	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Sal Butterate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol Stearate	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol/Caprylylsilsesquioxane/Silicate Crosspolymer	S		Final report 12/2017 available from CIR
Dimethiconol/Methylsilanol/Silicate Crosspolymer	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol/Silica Crosspolymer	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol/Silsesquioxane Copolymer	S		IJT 36(Suppl. 3):31-50, 2017
Dimethiconol/Stearyl Methicone/ Phenyl Trimethicone Copolymer	S		IJT 36(Suppl. 3):31-50, 2017
Dimethoxysilyl Ethylenediaminopropyl Dimethicone	S		IJT 22(S2):11-35, 2003
Dimethyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Dimethyl Behenamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Cocamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Glutarate	S		IJT 31(Suppl 1):5-76, 2012
Dimethyl Hydrogenated Tallowamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Lauramine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Myristamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Palmitamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Phthalate	S		JACT 4(3):267- 303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Dimethyl Soyamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Stearamine	S	up to 4% in non-coloring hair care products	Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Succinate	S		IJT 31 (S1):5-76, 2012
Dimethyl Tallowamine	S		Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Dimethylacrylamide/Sodium Acryloyldimethyltaurate Crosspolymer	S		Final report 3/2017 available from CIR
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
Diocetadecanyl Didecyltetradecanoate	S		Final report 09/2017 available from CIR
Diocetadecanyl Ditetradecyloctadecanoate	S		Final report 09/2017 available from CIR
Diocetyl Adipate	S		JACT 3(3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005
Diocetyl Dimer Dilinoleate	S		IJT 22 (S2):45-61, 2003
Diocetyl Sodium Sulfosuccinate	S		IJT 17 (S4):1-20, 1998
Diocetyldecyl Dimer Dilinoleate	S		IJT 22(S2):45-61, 2003
Diocetyldodecyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Diocetyldodecyl Dodecanedioate	S		IJT 31(Suppl 1):5-76, 2012
Diocetyldodecyl Malate	S		IJT 34(S1): 5-17, 2015
Diocetyldodecyl Sebacate	S		IJT 31(Suppl 1):5-76, 2012
Dioleyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Dioleyl Tocopheryl Methylsilanol	S		IJT 21 (S3):51-116, 2002; Final report 03/2014 available from CIR
Dioscorea Villosa (Wild Yam) Root Extract	S		IJT 23(S2):49-54, 2004
Dipalmitoyl Cysteine	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Dipentaerythrityl Pentaiononanoate	S		IJT 30(S3):228-269, 2011
Diphenyl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
Diphenyl Dimethicone/Vinyl Diphenyl Dimethicone/Silsesquioxane Crosspolymer	S		Final report 09/12 available from CIR
Dipotassium Aspartate	S		IJT 32(S4):41-64, 2013
Dipotassium Azelate	S		IJT 31 (S1):5-76, 2012
Dipotassium Capryloyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Dipotassium EDTA	S		IJT 21 (S2):95-142, 2002
Dipotassium Glycyrrhizate	S		IJT 26 (S2):79-112, 2007
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
Dipropyl Adipate	S		IJT 31(Suppl 1):5-76, 2012
Dipropylene Glycol	S		JACT 4(5):223- 48, 1985 confirmed 02/04 IJT 25(S2), 2006
Disodium Azelate	S		IJT 31 (S1):5-76, 2012
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Cocoamphodiacetate	S		JACT 9(2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Disodium Cocoamphodipropionate	S		JACT 9(2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Disodium Cocoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Cupric Citrate	S		IJT 33 (S2): 16-46, 2014
Disodium Deceth Sulfate	S		IJT 29(S3):151-161,2010
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 EDTA	S		IJT 21(S2):95-142, 2002
Disodium Etidronate	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Disodium Fumarate	S		Final report 03/09 - Available from CIR
Disodium Glycyrrhizate	S		IJT 26(S2):79-112, 2007
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 Lauriminodipropionate	S		IJT 32 (S3):49-55, 2013
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
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 Sebacate	S		IJT 31 (S1):5-76, 2012
Disodium Stearoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disodium Succinate	S		IJT 31 (S1):5-76, 2012
Disodium Succinoyl Glycyrrhetinate	S		IJT 26(S2):79-112, 2007
Disodium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Disperse Black 9	S		JACT 5(3):205-23, 1986 confirmed 12/06
Disperse Blue 1	SQ	up to 1%	JACT 14(6):433-51, 1995; confirmed 03/2011
Disperse Blue 7	Z		IJT 26(S2):65-77, 2007
Disperse Violet 1	S		JACT 10(1):103-11, 1991
Disperse Yellow 3	Z		JACT 15(4):301-10, 1996
Disteardimonium Hectorite	S		IJT 32 (S4):33-40, 2013

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Distearyl Citrate	S		IJT 33 (S2): 16-46, 2014
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 Adipate	S		IJT 31(Suppl 1):5-76, 2012
Ditridecyl Dimer Dilinoleate	S		IJT 22(S2):45-61, 2003
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
Divinyldimethicone/Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
Docosahexenoic/Docosapentenoic/Oleic/Palmitic Triglyceride	S		Final report 12/2017 available from CIR
Dodecanedioic Acid	S		IJT 31 (S1):5-76, 2012
Dodecylhexadecyl-Trimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Drometrizole	S		IJT 27(S2): 63-75, 2008; JACT 5(5):455-70, 1986 (original report)
EDTA	S		IJT 21(S2):95-142, 2002
Elaeis (Palm) Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Elaeis Guineensis (Palm) Butter	S		IJT 36(Suppl. 3):51-129, 2017
Elaeis Guineensis (Palm) Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017; IJT 19 (S2):7-28, 2000 (original)
Elaeis Guineensis (Palm) Oil	S		IJT 36(Suppl. 3):51-129, 2017; IJT 19 (S2):7-28, 2000 (original)
Elaeis Oleifera Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Elastin	S		Final report 09/2017 available from CIR
Elastin Amino Acids	S		IJT 33(S4):5-12, 2014
Emulsifying Wax N.F.	S		JACT 3(3):43- 99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
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
Erythorbic Acid	S		IJT 18(S3):1-26, 1999
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
Ethoxydiglycol	S		JACT 4(5):223-48, 1985 confirmed 02/04 IJT 25(S2), 2006
Ethoxyethanol	U	reproductive & developmental toxicity	IJT 21(S1):9-62, 2002
Ethoxyethanol Acetate	U	reproductive & developmental toxicity	IJT 21(S1):9-62, 2002
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 Acetate	S		JACT 8(4):681-705, 1989 confirmed 08/06
Ethyl Benzoate	S		IJT 31(3):342 -372 (2012)
Ethyl Citrates	S		IJT 33 (S2): 16-46, 2014
Ethyl Ester Of PVM/MA Copolymer	S		Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Ethyl Glucoside	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32 (S3): 22-48, 2013



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Hexanediol	S		JACT 13(6):418-36, 1994 confirmed 09/09
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)
Ethyl Myristate	S		IJT 29(S3):162-186,2010
Ethyl Polysilsesquioxane	S		Final report 12/2017 available from CIR
Ethyl Ricinoleate	S		IJT 26(S3): 31-77 2007
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
Ethylcellulose	S		Amended safety assessment 03/09
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
Ethylene/octene Copolymer	S		Final report 06/2015 available from CIR
Ethylene/propylene Copolymer	S		Final report 06/2015 available from CIR
Ethylene/propylene/styrene Copolymer	S		Final report 09/2014 available from CIR
Ethylhexyl Adipate/Palmitate/Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Ethylhexyl Benzoate	S		IJT 31(3):342-372 (2012)
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Ethylhexylglycerin	S		IJT 32 (S3): 5-21, 2013
Ethylparaben	S		IJT 27(S4): 1-82, 2008 JACT 3(5):147-209, 1984 (original report)
Etidronic Acid	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
Euterpe Oleracea Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Euterpe Oleracea Sterols	S		Final report 12/2013 available from CIR
Ferric Citrate	S		IJT 33 (S2): 16-46, 2014
Ferrous Fumarate	S		Final report 03/09 - Available from CIR
Fibroin	S		Final report 12/2015 available from CIR
Fibronectin	S		Final report 09/2017 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
Fragaria Ananassa (Strawberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Fragaria Chiloensis (Strawberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Fragaria Vesca (Strawberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Fragaria Virginiana (Strawberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Fructose	S		Final report 03/2014 available from CIR
Fucose	S		Final report 03/2014 available from CIR
Fullers Earth	S		IJT 22(S1):37-102, 2003
Fumaric Acid	S		Final report 03/09 - Available from CIR
Galactoarabinan	S		Final report 09/2015 available from CIR
Galactose	S		Final report 03/2014 available from CIR
Galactosyl Fructose	S		Final report 03/2014 available from CIR
Galacturonic Acid	S		Final report 03/2014 available from CIR
Garcinia Indica Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Garcinia Mangostana Amino Acids	S		IJT 33(S4):5-12, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Gelatin	S		Final report 09/2017 available from CIR
Gellan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Gevuina Avellana Oil	S		IJT 36(Suppl. 3):51-129, 2017
Gevuina Avellana Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Ghatti Gum	S		Final report 09/2015 available from CIR
Glucomannan	S		Final report 09/2015 available from CIR
Gluconic Acid	S		Final report 03/2014 available from CIR
Glucose	S		Final report 03/2014 available from CIR
Glucose Glutamate	Z		IJT 19(S1):11-12, 2000
Glucose Pentaacetate	S		Final report 12/2016 available from CIR
Glutamic Acid	S		IJT 32(S4):41-64, 2013
Glutamine	S		IJT 32(S4):41-64, 2013
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
Glutaric Acid	S		IJT 31 (S1):5-76, 2012
Glycerin	S		Final report 12/2014 available from CIR
Glyceryl Acetate	S		Final report 12/2015 available from CIR
Glyceryl Adipate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Alginate	S		IJT 23 (S2):55 -94,2004; Final report 09/2015 available from CIR
Glyceryl Allyl Ether	S		IJT 32 (S3): 5-21, 2013
Glyceryl Arachidate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Arachidonate	UNS		IJT 23 (S2):55-94,2004
Glyceryl Behenate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Caprate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Capryl Ether	S		IJT 32 (S3): 5-21, 2013
Glyceryl Caprylate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Caprylate/Caprate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Citrate/Lactate/Linoleate/Oleate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Cocoate	S		IJT 23 (S2):55- 94,2004; Final report 12/2015 available from CIR
Glyceryl Cocoate/Citrate/Lactate	S		Final report 12/2015 available from CIR
Glyceryl Collagenate	S		IJT 23 (S2):55-94,2004
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Dimaltodextrin	S		Final report 09/2015 available from CIR
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
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 Erucate	S		IJT 23 (S2):55- 94,2004; Final report 12/2015 available from CIR
Glyceryl Ethylhexanoate	S		Final report 12/2015 available from CIR
Glyceryl Ethylhexanoate/Stearate/Adipate	S		Final report 12/2015 available from CIR
Glyceryl Glycyrrhetinate	S		IJT 26(S2):79-112, 2007
Glyceryl Heptanoate	S		Final report 12/2015 available from CIR
Glyceryl Hydrogenated Rapeseedate	S		Final report 12/2015 available from CIR
Glyceryl Hydrogenated Rosinate	S		IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Hydrogenated Soyate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Hydroxystearate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Isopalmitate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Glyceryl Isostearate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Isostearate/Myristate	S		IJT 23(S2):55-94, 2004
Glyceryl Isostearates	S		IJT 23(S2):55-94, 2004
Glyceryl Isotridecanoate/Stearate/Adipate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Lanolate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate SE	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate/Oleate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Lauryl Ether	S		IJT 32 (S3): 5-21, 2013
Glyceryl Linoleate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Linolenate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Montanate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Myristate	S		IJT 23(S2):55-94, 2004
Glyceryl Oleate	S		JACT 5(5):391-413; Final report 12/2015 available from CIR
Glyceryl Oleate SE	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Oleate/Elaidate	S		IJT 23 (S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Oliviate	S		Final report 12/2015 available from CIR
Glyceryl Palmitate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
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 Palmitate/Stearate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Palmitoleate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Pentadecanoate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Polyacrylate	S		IJT 23(S2):55-94, 2004
Glyceryl Ricinoleate	S		IJT 26(S3) 2007; JACT 7(6):721-39, 1988 (original report); Final report 12/2015 available from CIR
Glyceryl Ricinoleate SE	S		IJT 26(S3) 2007; Final report 12/2015 available from CIR
Glyceryl Rosinate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Sesquioleate	S		IJT 23(S2):55-94, 2004
Glyceryl Starch	S		Final report 09/2015 available from CIR
Glyceryl Stearate	S		JACT 1(4):169-92, 1982; Final report 12/2015 available from CIR
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 Diacetate	S		Final report 12/2017 available from CIR
Glyceryl Stearate Diacetate	S		IJT 20(S4):61-94, 2001
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 SE	S		JACT 1(4):169-92, 1982; Final report 12/2015 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Glyceryl Stearate/Acetate	S		IJT 23 (S2):55-94, 2004
Glyceryl Stearate/Malate	S		Final report 12/2015 available from CIR
Glyceryl Stearate/Maleate	S		IJT 23(S2):55-94, 2004
Glyceryl Tallowate	S		IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
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 Thiopropionate	S		IJT 23(S2):55-94, 2004
Glyceryl Tri-Hydrogenated Rosinate	S		Final report 12/2017 available from CIR
Glyceryl Triacetyl Hydroxystearate	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Glyceryl Triacetyl Ricinoleate	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Glyceryl Tripalmitate/Palm Kernelate/Olivate/Macadamiate/Rapeseedate	S		Final report 12/2017 available from CIR
Glyceryl Undecylenate	S		IJT 23 (S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl/Polyglyceryl-6 Isostearate/Behenate Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Glyceryl/Sorbitol Oleate/Hydroxystearate	S		IJT 23(S2):55-94, 2004
Glycine	S		IJT 32(S4):41-64, 2013
Glycine Max (Soybean) Polypeptide	S		Final report 09/2015 available from CIR
Glycine Soja (Soybean) Oil	S		IJT 36(Suppl. 3):51-129, 2017
Glycine Soja (Soybean) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Glycine Soja (Soybean) Peptide	S		Final report 09/2015 available from CIR
Glycine Soja (Soybean) Protein	S		Final report 09/2015 available from CIR
Glycine Soja (Soybean) Sterols	S		Final report 12/2013 available from CIR
Glycol Dibehenate	S		Final report 09/2017 available from CIR
Glycol Diethylhexanoate	S		Final report 09/2017 available from CIR
Glycol Dilaurate	S		Final report 09/2017 available from CIR
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 Dioleate	S		Final report 09/2017 available from CIR
Glycol Dipalmitate/Palm Kernelate/Olivate/Macadamiate	S		Final report 09/2017 available from CIR
Glycol Dipalmitate/Rapeseedate/Soyate	S		Final report 09/2017 available from CIR
Glycol Dipivalate	S		Final report 09/2017 available from CIR
Glycol Distearate	S		JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003; Final report 09/2017 available from CIR
Glycol Ditallowate	S		Final report 09/2017 available from CIR
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
Glycol Ricinoleate	S		IJT 26(S3):31-77, 2007
Glycol Stearate	S		JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Glycol Stearate SE	S		JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
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	IJT 17(S1):1-242, 1998; IJT 36 (S2) 14-58, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		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.	
Glycyrrhetic Acid	S		IJT 26(S2):79- 112, 2007
Glycyrrhetinyl Stearate	S		IJT 26(S2):79-112, 2007
Glycyrrhiza Glabra (Licorice) Leaf Extract	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Rhizome/Root	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Extract	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Juice	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Powder	S		Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Water	S		Final report 09/08 available from CIR
Glycyrrhiza Inflata Root Extract	S		Final report 09/08 available from CIR
Glycyrrhiza Uralensis (Licorice) Root Extract	S		Final report 09/08 available from CIR
Glycyrrhizic Acid	S		IJT 26(S2):79- 112, 2007
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
Gossypium Herbaceum (Cotton) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Grape Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Guar Hydroxypropyltrimonium Chloride	S		IJT 34(S1): 35-65, 2015
Guizotia Abyssinica Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
HC Blue No. 1	U	carcinogenicity	JACT 13(5):344-60, 1994
HC Blue No. 2	S	2% in a hair dye (diluted in use to 1%)	JACT 13(5):361-73, 1994; confirmed IJT 30(Suppl. 2):98-99, 2011
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 Red No. 7	S		IJT 27(Suppl. 1):45-54, 2008
HC Yellow No. 2	SQ	up to 3%	JACT 13(3):157-66, 1994 confirmed 12/08
HC Yellow No. 4	S		IJT 17(S4):39-70, 1998
HC Yellow No. 5	S		IJT 26(S2):113- 124, 2007
HDI/Di-C12-14 Alkyl Tartrate/ Hydrogenated Dilinoleyl Alcohol Copolymer	S		Final report 06/2016 available from CIR
HDI/PEI-45/SMDI Crosspolymer	S		Final report 06/2016 available from CIR
HDI/PPG/Polycaprolactone Crosspolymer	S		Final report 06/2016 available from CIR
HDI/Trimethylol Hexyllactone Crosspolymer	S		Final report 06/2016 available from CIR
HEA/Sodium Acryloyldimethyltaurate/ Steareth-20 Methacrylate Copolymer	S		Final report 3/2017 available from CIR
HEDTA	S		IJT 21 (S2):95-142, 2002
HEMA	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
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
Hair Keratin Amino Acid	S		IJT 33(S4):5-12, 2014
Hazel Seed Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hazelnut Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Hectorite	S		IJT 22(S1):37-102, 2003
Helianthus Annuus (Sunflower) Extract	I		Final report 09/2016
Helianthus Annuus (Sunflower) Flower Extract	S		Final report 09/2016
Helianthus Annuus (Sunflower) Leaf/Stem Extract	I		Final report 09/2016
Helianthus Annuus (Sunflower) Seed	S		Final report 09/2016
Helianthus Annuus (Sunflower) Seed Butter	S		Final report 09/2016
Helianthus Annuus (Sunflower) Seed Extract	S		Final report 09/2016
Helianthus Annuus (Sunflower) Seed Flour	S		Final report 09/2016
Helianthus Annuus (Sunflower) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Helianthus Annuus (Sunflower) Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Helianthus Annuus (Sunflower) Seed Wax	S		Final report 09/2016
Helianthus Annuus (Sunflower) Seedcake	S		Final report 09/2016
Helianthus Annuus (Sunflower) Sprout Extract	I		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
Hexacosyl Glycol	S		IJT 31 (S2): 147-168, 2012
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
Hexanediol Distearate	S		Final report 09/2017 available from CIR
Hexapeptide-12	S		Final report 06/2014 available from CIR
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
Hexyl Methicone	S		IJT 22 (S2):11-35, 2003
Hexyldeceh-2	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32(S2):169-244(2012)
Hexyldeceh-20	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 32(S2):169-244(2012)
Hexyldecyl Benzoate	S		IJT 31(3):342-372 (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/ Octyldecyl Hydroxystearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hexylene Glycol	S		JACT 4(5):223-48, 1985 confirmed 02/04 IJT 25(S2), 2006
Hippophae Rhamnoides Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hippophae Rhamnoides Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hippophae Rhamnoides Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Histidine	S		IJT 32(S4):41-64, 2013
Histidine HCl	S		IJT 32(S4):41-64, 2013



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Human Placental Enzymes	Z	if used, should not deliver any metabolic/ endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Human Placental Lipids	Z	if used, should not deliver any metabolic/ endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Human Placental Protein	UNS		
Human Umbilical Extract	Z	if used, should not deliver any metabolic/ endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
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
Hyaluronic Acid	S		IJT 28 (1): 5-67, 2009
Hydrated Silica	S		Final Report 09/09 available from CIR
Hydrofluorocarbon 152a	S		Final report 3/2017 available from CIR
Hydrogen Dimethicone/Octyl Silsesquioxane Copolymer	S		Final report 12/2017 available from CIR
Hydrogenated Adansonia Digitata Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Apricot Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Apricot Kernel Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Argania Spinosa Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Avocado Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Black Currant Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Butadiene/Isoprene/Styrene Copolymer	S		Final report 09/2014 available from CIR
Hydrogenated Butylene/Ethylene/Styrene Copolymer	S		Final report 09/2014 available from CIR
Hydrogenated C12-18 Triglycerides	S		Final report 12/2017 available from CIR
Hydrogenated Camelina Sativa Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Camellia Oleifera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017 CIR
Hydrogenated Canola Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Castor Oil	S		IJT 26 (S3):31-77, 2007
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 Cocoglycerides	S		IJT 30(S1):5S-16S
Hydrogenated Coconut Acid	S		IJT 30(S1):5S-16S; JACT 5(3):103-21, 1986 (original report)
Hydrogenated Coconut Oil	S		IJT 30(S1):5S-16S; JACT 5(3):103-21, 1986 (original report)
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 Cottonseed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Cranberry Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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 Ethylene/ Propylene/Styrene Copolymer	S		Final report 09/2014 available from CIR
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 Evening Primrose Oil	S		IJT 36(Suppl. 3):51-129, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hydrogenated Grapeseed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Grapesuit Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Grapesuit Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Hazelnut Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Isocetyl Olivat	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
Hydrogenated Jojoba Oil	S		Amended Final Report 09/08 - available from CIR
Hydrogenated Kukui Nut Oil	S		IJT 36(Suppl. 3):51-129, 2017
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 Lanolin	S		JEPT 4(4):63 -92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
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 Lecithin	S		IJT 20(S1):21-45, 2001; Final report 03/2015 available from CIR
Hydrogenated Lime Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Lime Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Lysolecithin	S		Final report 03/2015 available from CIR
Hydrogenated Lysophosphatidylcholine	S		Final report 03/2015 available from CIR
Hydrogenated Macadamia Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Meadowfoam Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Olive Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Olive Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Orange Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Orange Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Palm Acid	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Palm Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Palm Oil	S		IJT 19 (S2):7-28, 2000; IJT 36(Suppl. 3):51-129, 2017
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 Passiflora Edulis Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Peach Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Peanut Oil	S		IJT 20 (S2):65-77, 2001; IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Phosphatidylcholine	S		Final report 03/2015 available from CIR
Hydrogenated Pistachio Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Poly(C6-12 Olefin)	S		Final report 06/2015 available from CIR
Hydrogenated Poly(C6-14 Olefin)	S		Final report 06/2015 available from CIR
Hydrogenated Poly(C6-20 Olefin)	S		Final report 06/2015 available from CIR
Hydrogenated Polybutene	S		Final report 06/2015 available from CIR
Hydrogenated Polydecene	S		Final report 06/2015 available from CIR
Hydrogenated Polydodecene	S		Final report 06/2015 available from CIR
Hydrogenated Polyisobutene	S		IJT 27 (S4): 83-106, 2008
Hydrogenated Potato Starch	S		Final report 09/2015 available from CIR
Hydrogenated Pumpkin Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Punica Granatum Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Rapeseed Oil	S		IJT 36(Suppl. 3):51-129, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hydrogenated Raspberry Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Rice Bran Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Rice Bran Wax	S		IJT 25(S2):91-120, 2006
Hydrogenated Rosa Canina Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Safflower Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Sesame Seed Oil	S		JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011
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 Soybean Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Starch Hydrolysate	S		Final report 09/2015 available from CIR
Hydrogenated Styrene/Butadiene Copolymer	S		Final report 09/2014 available from CIR
Hydrogenated Styrene/Isoprene Copolymer	S		Final report 09/2014 available from CIR
Hydrogenated Sunflower Seed Extract	S		Final report 09/2016
Hydrogenated Sunflower Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Sweet Almond Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Sweet Almond Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Tallow Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Hydrogenated Tallow Glyceride	S		JACT 9(2):153-64, 1990 confirmed 06/06
Hydrogenated Tallow Glycerides	S		JACT 9(2):153-64, 1990 confirmed 06/06
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)
Hydrogenated Vegetable Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Wheat Germ Oil	S		IJT 36(Suppl. 3):51-129, 2017
Hydrogenated Wheat Germ Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Hydrolyzed Actin	S		Final report 09/2017 available from CIR
Hydrolyzed Amaranth Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Avocado Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Barley Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Beta-glucan	S		IJT 35(Suppl. 1):5-49, 2016
Hydrolyzed Brazil Nut Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Caesalpinia Spinosa Gum	S		IJT 34(S1): 35-65, 2015
Hydrolyzed Camellia Sinensis Leaf	SQ		Final report 09/2014 available from CIR
Hydrolyzed Camellia Sinensis Seed Extract	Z		Final report 09/2014 available from CIR
Hydrolyzed Carrageenan	Z		Final report 09/2015 available from CIR
Hydrolyzed Casein	S		Final report 09/2017 available from CIR
Hydrolyzed Cellulose Gum	S		Amended safety assessment 03/09 - Available from CIR
Hydrolyzed Ceratonia Siliqua Gum Extract	S		IJT 34(S1): 35-65, 2015
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hydrolyzed Collagen	S		JACT 4(5)199-221, 1985 confirmed 06/04 IJT 25(S2), 2006; Final report 09/2017 available from CIR
Hydrolyzed Collagen Extract	S		Final report 09/2017 available from CIR
Hydrolyzed Collagen PG-Propyl Dimethiconol	S		IJT 36(Suppl. 3):31-50, 2017
Hydrolyzed Corn Protein	S		IJT 30 (S1): 17-39, 2011
Hydrolyzed Corn Starch	S		IJT 30 (S1): 17-39, 2011
Hydrolyzed Corn Starch Hydroxyethyl Ether	S		Final report 09/2015 available from CIR
Hydrolyzed Corn Starch Octenylsuccinate	S		Final report 09/2015 available from CIR
Hydrolyzed Cottonseed Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Elastin	S		Final report 09/2017 available from CIR
Hydrolyzed Extensin	S		Final report 09/2017 available from CIR
Hydrolyzed Fibroin	S		Final report 12/2015 available from CIR
Hydrolyzed Fibronectin	S		Final report 09/2017 available from CIR
Hydrolyzed Furcellaran	S		Final report 09/2015 available from CIR
Hydrolyzed Gelatin	S		Final report 09/2017 available from CIR
Hydrolyzed Ginseng Root	S		IJT 34(Suppl.3):5-42, 2015
Hydrolyzed Ginseng Root Extract	S		IJT 34(Suppl.3):5-42, 2015
Hydrolyzed Ginseng Saponins	S		IJT 34(Suppl.3):5-42, 2015
Hydrolyzed Grape Fruit	S		IJT 33(Suppl. 3):48-83, 2014
Hydrolyzed Grape Skin	S		IJT 33(Suppl. 3):48-83, 2014
Hydrolyzed Guar	S		IJT 34(S1): 35-65, 2015
Hydrolyzed Hair Keratin	S		Final report 06/2016 available from CIR
Hydrolyzed Hazelnut Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Hemp Seed Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Human Placental Protein	Z		IJT 21(S1):81-91, 2002
Hydrolyzed Jojoba Esters	S		Amended Final Report 09/08 - available from CIR
Hydrolyzed Jojoba Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Keratin	S		Final report 06/2016 available from CIR
Hydrolyzed Lactalbumin	S		Final report 09/2017 available from CIR
Hydrolyzed Lupine Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Maple Sycamore Protein	I		Final report 09/2017 available from CIR
Hydrolyzed Milk Protein	S		Final report 09/2017 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 Oxidized Keratin	S		Final report 06/2016 available from CIR
Hydrolyzed Pea Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Pectin	S		Final report 09/2015 available from CIR
Hydrolyzed Phospholipids	S		Final report 03/2015 available from CIR
Hydrolyzed Placental Protein	UNS	if used, should not deliver any metabolic/ endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Hydrolyzed Potato Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Reticulin	S		Final report 09/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hydrolyzed Rhizobian Gum	S		IJT 35(Suppl. 1):5-49, 2016
Hydrolyzed Rice Bran Extract	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Hydrolyzed Rice Bran Protein	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Hydrolyzed Rice Extract	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Hydrolyzed Rice Protein	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Hydrolyzed Sclerotium Gum	S		IJT 35(Suppl. 1):5-49, 2016
Hydrolyzed Sericin	S		Final report 12/2015 available from CIR
Hydrolyzed Sesame Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Shea Seedcake Extract	SQ	safe when formulated to be non-sensitizing	Final report 09/2017 available from CIR
Hydrolyzed Silk	S		Final report 12/2015 available from CIR
Hydrolyzed Soy Protein	S		Final report 09/2015 available from CIR
Hydrolyzed Soy Protein Extract	S		Final report 09/2015 available from CIR
Hydrolyzed Soy Starch	S		Final report 09/2015 available from CIR
Hydrolyzed Soymilk Protein	S		Final report 09/2015 available from CIR
Hydrolyzed Spongins	S		Final report 09/2017 available from CIR
Hydrolyzed Starch	S		Final report 09/2015 available from CIR
Hydrolyzed Sulfonated Keratin	S		Final report 06/2016 available from CIR
Hydrolyzed Sunflower Seed Wax	S		Final report 09/2016
Hydrolyzed Sweet Almond Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Triticum Spelta Starch	S		Final report 09/2015 available from CIR
Hydrolyzed Vegetable Protein	S		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
Hydrolyzed Wheat Starch	S		Final report 09/2015 available from CIR
Hydrolyzed Whey Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Yogurt Protein	S		Final report 09/2017 available from CIR
Hydrolyzed Zein	S		Final report 09/2017 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
<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
Hydroxybenzomorpholine	S		JACT 10(1):205-13, 1991
Hydroxybutyl Methylcellulose	S		Amended safety assessment 03/09 - Available from CIR
Hydroxycaproyl Phytosphingosine	S		Final report 03/2015 available from CIR
Hydroxycapryloyl Phytosphingosine	S		Final report 03/2015 available from CIR
Hydroxycetyl Isostearate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	S		Final report 3/2017 available from CIR
Hydroxyethyl Cyclodextrin	S		Final report 09/2015 available from CIR
Hydroxyethyl Ethylcellulose	S		Amended safety assessment 03/09 - Available from CIR
Hydroxyethyl-3,4-Methylenedioxyaniline HCl	S		Final report 06/2017 available from CIR
Hydroxyethylcellulose	S		Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
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
Hydroxylated Lanolin	S		JEPT 4(4):63- 92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Hydroxylauroyl Phytosphingosine	S		Final report 03/2015 available from CIR
Hydroxyoctacosanyl Hydroxystearate		safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Hydroxypalmitoyl Sphinganine	S		Final report 03/2015 available from CIR
Hydroxypropyl Bis( <i>N</i> -Hydroxyethyl- <i>p</i> -Phenylenediamine) HCl	S		IJT 35(Suppl. 2):5-11, 2016
Hydroxypropyl Cyclodextrin	S		Final report 09/2015 available from CIR
Hydroxypropyl Dimethicone/Polysorbate 20 Crosspolymer	S		Final report 09/12 available from CIR
Hydroxypropyl Guar	S		IJT 34(S1): 35-65, 2015
Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	S		IJT 34(S1): 35-65, 2015
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
Hydroxypropyl Methylcellulose	S		Amended safety assessment 03/09 - Available from CIR; JACT 5(3):1-59, 1986 (original report)
Hydroxypropyl Methylcellulose Acetate/Succinate	S		Amended Safety Assessment 03/09 available from CIR
Hydroxypropyl Oxidized Starch	S		Final report 09/2015 available from CIR
Hydroxypropyl Starch	S		Final report 09/2015 available from CIR
Hydroxypropyl Xanthan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Hydroxypropylcellulose	S		Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
Hydroxypropyldimethicone	S		IJT 22(S2):11-35, 2003
Hydroxypropyltrimonium Hydrolyzed Corn Starch	S		Final report 09/2015 available from CIR
Hydroxypropyltrimonium Hydrolyzed Wheat Starch	S		Final report 09/2015 available from CIR
Hydroxypropyltrimonium Maltodextrin Crosspolymer	S		Final report 09/2015 available from CIR
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
Hydroxystearic Acid	S		IJT 18(S1):1- 10, 1999
Hypericum Perforatum Extract	S		IJT 20(S2):31-39, 2001; IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower Extract	S		IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Leaf Extract	S		IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Leaf/Stem Extract	S		IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Twig Extract	S		IJT 33(S3):5-23, 2014
Hypericum Perforatum Leaf Extract	S		IJT 33(S3):5-23, 2014
Hypericum Perforatum Oil	S		IJT 20(S2):31-39, 2001; IJT 33(S3):5-23, 2014
Imidazolidinyl Urea	S		JEPT 4(4):133- 46, 1980 confirmed 09/01 IJT 22(S1):1-35, 2003
Inulin	S		Final report 09/2015 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Irvingia Gabonensis Kernel Butter	S		IJT 36(Suppl. 3):51-129, 2017
Isoamyl Acetate	S		JACT 7(6):705-19, 1988
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
Isobutane	S		JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Isobutyl Acetate	S		IJT 31(S1):112-136, 2012
Isobutyl Benzoate	S		IJT 31(3):342-372 (2012)
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 Polysilsesquioxane	S		Final report 12/2017 available from CIR
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
Isobutyl/Methoxy PEG-10 Polysilsesquioxane	S		Final report 12/2017 available from CIR
Isobutylene/Isoprene Copolymer	S		Final report 06/2015 available from CIR
Isobutylene/Styrene Copolymer	S		Final report 09/2014 available from CIR
Isobutylparaben	S		IJT 27(S4): 1-82, 2008 JACT14(5):364-372, 1995 (original report)
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 sun sensitivity would be expected, directions for use include the daily use of sun protection.	IJT 22(3):1-108
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Citrate	S		IJT 33 (S2): 16-46, 2014
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 Glyceryl Ether	S		IJT 32 (S3): 5-21, 2013
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
Isoleucine	S		IJT 32(S4):41-64, 2013
Isomalt	S		Final report 03/2014 available from CIR
Isomerized Jojoba Oil	S		Amended Final Report 09/08 - available from CIR
Isomerized Safflower Glycerides	S		Final report 12/2017 available from CIR
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/Caprato	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
Isopentane	S		JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Isopolyglyceryl-3 Dimethiconol	S		IJT 36(Suppl. 3):31-50, 2017
Isoprene/pentadiene Copolymer	S		Final report 06/2015 available from CIR
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Isopropyl Acetate	S		IJT 31(S1):112- 136, 2012
Isopropyl Alcohol	S	in manicuring preparations	IJT 31(S1):112-136, 2012
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 Benzoate	S		IJT 31(3):342-372 (2012)
Isopropyl Citrate	S		IJT 33 (S2): 16-46, 2014
Isopropyl Cresols	SQ	up to .5%	IJT 25(S1):29-127, 2006 (Amended Report)
Isopropyl Ester Of PVM/MA Copolymer	S		IJT 30(Suppl. 2):128-144, 2011; JACT 12(3):243-56, 1993 (original report)
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 Lanolate	S		JEPT 4(4):121- 32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
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
Isopropyl Titanium Triisostearate/Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
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
Isopropylparaben	S		IJT 27(S4): 1-82, 2008 JACT14(5):364-372, 1995 (original report)
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 int the CIR safety	IJT 32(S1):36-58, 2013

Quick Reference Table

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	
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)
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)
Isostearic Acid	S		JACT 2(7):61-74, 1983 confirmed 09/02 IJT 24(S1):55-56, 2005
Isostearoyl Trimellitic Anhydride/ Trimethylolpropane Copolymer	I		Final report 09/2016
Isostearyl Acetate	S		IJT 31 (S1):112-136, 2012
Isostearyl Alcohol	S		JACT 7(3):359- 413, 1988 confirmed 12/05
Isostearyl Avocadoate	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 Benzoate	S		IJT 31(3):342-372 (2012)
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 Glyceryl Ether	S		IJT 32 (S3): 5-21, 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
Isostearyl Sebacate	S		IJT 31(S1):5- 76, 2012
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Japan (Rhus Succedanea) Wax	S		JACT 3 (3):1-41, 1984 confirmed 06/03
Jjoba Alcohol	S		Amended Final Report 09/08 - available from CIR
Jjoba Amino Acids	S		IJT 33(S4):5-12, 2014
Jjoba Esters	S		Amended Final Report 09/08 - available from CIR
Jjoba Oil PEG-150 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Jjoba Oil PEG-8 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Jjoba Oil/Caprylic/Capric Triglyceride Esters	S		Final report 12/2017 available from CIR
Juglans Regia (Walnut) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Juniperus Communis Fruit Extract	UNS		IJT 20(S2):41-56, 2001
Juniperus Oxycedrus Fruit Extract	Z		IJT 20(S2):41-56, 2001
Juniperus Oxycedrus Tar	UNS		IJT 20(S2):41-56, 2001
Juniperus Phoenicea Gum Extract	Z		IJT 20(S2):41-56, 2001
Juniperus Virginiana Wood Extract	UNS		IJT 20(S2):41-56, 2001
Kaolin	S		IJT 22(S1):37-102, 2003
Kefiran	S		Final report 03/2014 available from CIR
Keratin	S		Final report 06/2016 available from CIR
Keratin Amino Acids	S		IJT 33(S4):5-12, 2014
Kojic Acid	SQ		IJT 29 (S4): 244-273, 2010
L-Ascorbic Acid	S		IJT 24(2):51-111, 2005
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
Lactitol	S		Final report 03/2014 available from CIR
Lactoglobulin	S		Final report 09/2017 available from CIR
Lactose	S		Final report 03/2014 available from CIR
Lactulose	S		Final report 03/2014 available from CIR
Laneth-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Laneth-10 Acetate	S		JACT 1(4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005
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)
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)
Laneth-9 Acetate	S		JACT 1 (4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005
Lanolin	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Lanolin Acid	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Alcohol	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Oil	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Wax	S		JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
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 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
Lapyrium Chloride	S	in a body wash	JACT 10(1):87-97, 1991
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 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):415-54, 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 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
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	Z		JACT 14(3):196-203, 1995
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
Laurdimonium Hydroxypropyl Hydrolyzed Wheat Starch	S		Final report 09/2015 available from CIR
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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)
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)
Lauric Acid	S		JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006
Lauric/Palmitic/Oleic Triglyceride	S		Final report 12/2017 available from CIR
Lauriminodipropionic Acid	S		IJT 32(Suppl. 3):49-55, 2013
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 Dimethicone PEG-15 Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
Lauryl Dimethicone/Polyglycerin-3 Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
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 Glycol	S		IJT 31 (S2): 147-168, 2012
Lauryl Isopentyl-PEG/PPG-18/18 Methicone	S		Final report 12/2014 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 PEG-10 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
Lauryl PEG-10 Tris(trimethylsiloxy)silylethyl Dimethicone	S		Final report 12/2014 available from CIR
Lauryl PEG-8 Dimethicone	S		Final report 12/2014 available from CIR
Lauryl PEG-8 PPG-8 Dimethicone	S		Final report 12/2014 available from CIR
Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	S		Final report 12/2014 available from CIR
Lauryl PEG/PPG-18/18 Methicone	S		Final report 12/2014 available from CIR
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 Polydimethylsiloxyethyl Dimethicone/ Bis-Vinyldimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone	S		Final report 12/2014 available from CIR
Lauryl Stearate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Lauryl/Myristyl Benzoate	S		IJT 31(3):342-372 (2012)
Lecithin	S		IJT 20(S1):21-45, 2001; Final report 03/2015 available from CIR
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 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
Leucine	S		IJT 32(S4):41-64, 2013
Levan	S		IJT 35(Suppl. 1):5-49, 2016
Lignoceryl Erucate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Limnanthes Alba (Meadowfoam) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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 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
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 Acid	S		IJT 36(Suppl. 3):51-129, 2017
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
Linum Usitatissimum (Linseed) Oil	S		IJT 36(Suppl. 3):51-129, 2017
Lithium Magnesium Silicate	S		IJT 22(S1):37-102, 2003
Lithium Magnesium Sodium Silicate	S		IJT 22(S1):37-102, 2003
Lithium Stearate	S		JACT 1(2):143-177, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Locust Bean Hydroxypropyltrimonium Chloride	S	in rinse-off	IJT 34(S1): 35-65, 2015
Luffa Cylindrica Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Lupine Amino Acids	S		IJT 33(S4):5-12, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Lupinus Albus Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Lupinus Albus Protein	S		Final report 09/2017 available from CIR
Lupinus Albus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Lycium Barbarum Amino Acids	S		IJT 33(S4):5-12, 2014
Lycium Barbarum Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Lysine	S		IJT 32(S4):41-64, 2013
Lysine HCl	S		IJT 32(S4):41-64, 2013
Lysolecithin	S		Final report 03/2015 available from CIR
Lysophosphatidic Acid	S		Final report 03/2015 available from CIR
Lysophosphatidylethanolamine	S		Final report 03/2015 available from CIR
Lysophosphatidylglycerol	S		Final report 03/2015 available from CIR
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-Hydrolyzed Collagen	S		Final report 09/2017 available from CIR
MEA-Hydrolyzed Silk	Z		Final report 12/2015 available from CIR
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 Integrifolia Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Macadamia Seed Oil Polyglyceryl 6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Macadamia Seed Oil Polyglyceryl 6 Esters Behenate	SQ	safe when formulated to be non-irritating	Final report 09/2016

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Macadamia Ternifolia Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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 Acetate	S		IJT 31 (S1):112-136, 2012
Magnesium Alginate	S		Final report 09/2015 available from CIR
Magnesium Aluminum Silicate	S		IJT 22 (S1):37-102, 2003
Magnesium Ascorbate	S		IJT 24(2):51-111, 2005
Magnesium Ascorbyl Phosphate	S		IJT 24(2):51-111, 2005
Magnesium Aspartate	S		IJT 32(S4):41-64, 2013
Magnesium Benzoate	S		IJT 36(Suppl. 3):5-30, 2017
Magnesium Carbonate	SQ	when formulated to be non-irritating	Final report 12/2016 available from CIR
Magnesium Citrate	S		IJT 33 (S2): 16 -46, 2014
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 Coco-Sulfate	S		IJT 29(S2): 115-132, 2010
Magnesium Cocoate	S		IJT 30(S1):5S-16S
Magnesium Glycinate	S		IJT 32(S4):41-64, 2013
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 Myristate	S		IJT 29(S3): 162-186,2010
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 Silicate	S		IJT 22(S1):37-102, 2003
Magnesium Stearate	S		JACT 1(2):143- 177, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Magnesium Sulfate	S		Final report 06/2014 available from CIR
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 Trisilicate	S		IJT 22(S1):37-102, 2003
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Maleic Acid	S		IJT 26(S2):125-130, 2007
Malic Acid	SQ	safe for use as pH adjusters; insufficient data to support safety for other uses	IJT 20(S1):47-55, 2001
Malonic Acid	S		IJT 31 (S1):5-76, 2012
Maltitol	S		Final report 09/08 available from CIR
Maltitol Laurate	S		Final report 12/2016 available from CIR
Maltodextrin	S		Final report 09/2015 available from CIR
Maltose	S		Final report 03/2014 available from CIR
Malus Domestica (Apple) Callus Extract	I		Final report 03/2016 available from CIR
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
Malus Domestica (Apple) Oil	I		Final report 03/2016 available from CIR
Malus Domestica (Apple) Stem Extract	I		Final report 03/2016 available from CIR
Manganese Citrate	S		IJT 33 (S2): 16-46, 2014
Manganese Tripeptide-1	S		Final report 06/2014 available from CIR
Mangifera Indica (Mango) Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Mangifera Indica (Mango) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Mango Seed Oil PEG-70 Esters	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
Mannan	S		Final report 09/2015 available from CIR
Mannose	S		Final report 03/2014 available from CIR
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
Melamine/Formaldehyde Resin (now Called Polyoxymethylene Melamine)			JACT 14(5):373-85, 1995
Melibiose	S		Final report 03/2014 available from CIR
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
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
Methacrylic Acid/Styrene/VP Copolymer	S		Final report 09/2014 available from CIR
Methacryloyl Ethyl Betaine/Acrylates Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Methacryloyloxypropyl Polysilsesquioxane	S		Final report 12/2017 available from CIR
Methenamine	SQ	0.16%; but should not be used in products intended to be aerosolized	JACT 11(4):531-58, 1992
Methicone	S		IJT 22(S2):11-35, 2003
Methionine	S		IJT 32(S4):41-64, 2013
Methoxy PEG-10	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Methoxy PEG-10 Polysilsesquioxane	S		Final report 12/2017 available from CIR
Methoxy PEG-100	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-11 Methoxy PPG-24 Dimethicone	S		Final report 12/2014 available from CIR
Methoxy PEG-13 Ethyl Polysilsesquioxane	S		Final report 12/2014 available from CIR
Methoxy PEG-16	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
Methoxy PEG-17/Methoxy PEG-11/HDI Crosspolymer	S		Final report 06/2016 available from CIR
Methoxy PEG-17/Methoxy PEG-11/ HDI Isocyanurate Trimer Crosspolymer	S		Final report 06/2016 available from CIR
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)
Methoxy PEG/PPG-25/4 Dimethicone	S		Final report 12/2014 available from CIR
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
Methoxyisopropanol	S		IJT 27(S2): 25-29, 2008
Methoxyisopropyl Acetate	S		IJT 27(S2): 25-29, 2008
Methyl Acetate	S		IJT 31(S1):112-136, 2012
Methyl Alcohol	SQ	safe for use as a denaturant	IJT 20(S1):57-85, 2001
Methyl Benzoate	S		IJT 31(3):342 -372 (2012)
Methyl Cocoate	S		IJT 30 (S1):5S-16S
Methyl Cyclodextrin	S		Final report 09/2015 available from CIR
Methyl Ethylcellulose	S		Amended Safety Assessment 03/09 available from CIR
Methyl Gluceth-10	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Gluceth-20	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Caprylate/Caprates	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Dioleate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Isostearate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Laurate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquicaprylate/Sesquicaprate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquicoate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquiisostearate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquilaurate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquioleate	S		IJT 35(Suppl. 2):12-40, 2016
Methyl Glucose Sesquisteate	S		IJT 35(Suppl. 2):12-40, 2016
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 Glycyrrhizate	S		IJT 26(S2):79-112, 2007
Methyl Hydroxyethylcellulose	S		Amended Safety Assessment 03/09 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Methacrylate Crosspolymer	S		IJT 30 (1): 54-65, 2011
Methyl Methacrylate/Glycol Dimethacrylate Crosspolymer	S		IJT 30 (1): 54-65, 2011
Methyl Myristate	S		IJT 29(S3) :162-186,2010
Methyl Pelargonate	S		IJT 30(Suppl. 3):228-269, 2011
Methyl Ricinoleate	S		IJT 26(S3) 2007
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
<i>p</i> -Methylaminophenol Sulfate	S		Final Amended Report 12/07 Available from CIR JACT 10(1):53-65, 1991 (original report)
<i>p</i> -Methylaminophenol	S		Final Amended Report 12/07 Available from CIR JACT 10(1):53-65, 1991 (original report)
Methylbenzethonium Chloride	SQ	0.5% skin; 0.02% eye	JACT 4(5):65-106, 1985 confirmed 03/04 IJT 25(S2), 2006
Methylcellulose	S		Amended safety assessment 03/09 - Available from CIR JACT 5(3)1-59, 1986 (original report)
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
Methylene Glycol	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(S4):5-32, 2013
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
Methylparaben	S		IJT 27(S4): 1-82, 2008 JACT 3(5):147-209, 1984 (original report)
Methylstyrene/Vinyltoluene Copolymer	S		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Microcrystalline Cellulose	S		Amended safety assessment 03/09 - Available from CIR
Microcrystalline Wax	S		JACT 3(3):43- 99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Milk Amino Acids	S		IJT 33(S4):5-12, 2014
Milk Protein	S		Final report 09/2017 available from CIR
Milk Protein Extract	S		Final report 09/2017 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	S		IJT 24(S3):57-64, 2005 IJT 17(S4):71-82, 1998 (Original Report)
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 Cresols	Z		IJT 25(S1):29-127, 2006
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
Monosodium Citrate	S		IJT 33 (S2): 16-46, 2014
Montan Wax	S		JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Montmorillonite	S		IJT 22 (S1):37-102, 2003
Morinda Citrifolia Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Moringa Oleifera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Moringa Pterygosperma Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Morpholine	UNS		JACT 8(4):707-748, 1989
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Myristic Acid	S		JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006; IJT 29 (S3): 162-186, 2010
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 Hexapeptide-12	S		Final report 06/2014 available from CIR
Myristoyl Pullulan	S		IJT 35(Suppl. 1):5-49, 2016
Myristoyl Sarcosine	SQ	safe as used when formulated to be non-irritating	IJT 20(S1):1-14, 2001; Final report 09/2016
Myristoyl Tripeptide-1	S		Final report 06/2014 available from CIR
Myristyl Acetate	S		IJT 31(S1):112-136, 2012
Myristyl Alcohol	S		JACT 7(3):359-413, 1988 confirmed 12/05
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 Glycol	S		IJT 31 (S2): 147-168, 2012
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)
<i>N,N</i> -Bis(2-Hydroxyethyl)- <i>p</i> -Phenylenediamine Sulfate	S		JACT 11(1):129-43, 1992
Neopentyl Glycol Dicaprate	S		Final report 09/2017 available from CIR
Neopentyl Glycol Dicaprylate/Dicaprate	S		Final report 09/2017 available from CIR
Neopentyl Glycol Dicaprylate/Dipelargonate/Dicaprate	S		IJT 30(Suppl. 3):228-269, 2011; Final report 09/2017 available from CIR
Neopentyl Glycol Diethylhexanoate	S		Final report 09/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Neopentyl Glycol Diheptanoate	S		Final report 09/2017 available from CIR
Neopentyl Glycol Diisononanoate	S		IJT 30(S3):228-269, 2011; Final report 09/2017 available from CIR
Neopentyl Glycol Diisostearate	S		Final report 09/2017 available from CIR
Neopentyl Glycol Dilaurate	S		Final report 09/2017 available from CIR
Niacin	S		IJT 24(S5):1-31, 2005
Niacinamide	S		IJT 24(S5):1-31, 2005
Nitrocellulose	S		IJT 35(Suppl. 1):50-59, 2016
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
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
Nonyl Acetate	S		IJT 31(S1):112-136, 2012
Nylon 6/12	S		IJT 33(S4):47-60, 2014
Nylon-10/10	S		IJT 33(S4):47-60, 2014
Nylon-11	S		IJT 33(S4):47-60, 2014
Nylon-12	S		IJT 33(S4):47-60, 2014
Nylon-12/6/66	S		IJT 33(S4):47-60, 2014
Nylon-6	S		IJT 33(S4):47-60, 2014
Nylon-611	S		IJT 33(S4):47-60, 2014
Nylon-66	S		IJT 33(S4):47-60, 2014
Oat Amino Acids	S		IJT 33(S4):5-12, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Octacosanyl Glycol	S		IJT 31 (S2): 147-168, 2012
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
Octododecyl Benzoate	S		IJT 31(3):342- 372 (2012)
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-10	S		IJT 23(S1):59-111, 2004
Octoxynol-11	S		IJT 23(S1):59-111, 2004
Octoxynol-12	S		IJT 23 (S1):59-111, 2004
Octoxynol-13	S		IJT 23(S1):59-111, 2004
Octoxynol-16	S		IJT 23 (S1):59-111, 2004
Octoxynol-20	S		IJT 23 (S1):59-111, 2004
Octoxynol-20 Carboxylic Acid	S		IJT 23(S1):59-111, 2004
Octoxynol-25	S		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-30	S		IJT 23(S1):59-111, 2004
Octoxynol-33	S		IJT 23 (S1):59-111, 2004
Octoxynol-40	S		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-70	S		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
Octoxynol-9	S		IJT 23(S1):59-111, 2004
Octoxynol-9 Carboxylic Acid	S		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
Octyldodecanol	S		JACT 4(5):1-29, 1985 confirmed 03/04; IJT 25(S2), 2006
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
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 Octyldecanoate	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
Octyldodecyl Stearoyl Stearate	S		IJT 24(S3):65-74, 2005 IJT 20(S3):51-59, 2001 (Original report)
Oenothera Biennis (Evening Primrose) Oil	S		IJT 36(Suppl. 3):51-129, 2017
Olea Europaea (Olive) Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Olea Europaea (Olive) Husk Oil	S		IJT 36(Suppl. 3):51-129, 2017
Olea Europaea (Olive) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
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 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
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
Oleic Acid	S		JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006
Oleic/Linoleic Triglyceride	S		Final report 12/2017 available from CIR
Oleic/Palmitic/Lauric/Myristic/Linoleic Triglyceride	S		Final report 12/2017 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)



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Alcohol	S		JACT 4(5):1-29, 1985 confirmed 03/04 IJT 25(S2), 2006
Oleyl Arachidate	SQ	safe as used in cosmetics when formulated to be non-irritating	Final report 03/2013 available from CIR
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 Glyceryl Ether	S		IJT 32 (S3): 5-21, 2013
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 Acid	S		IJT 36(Suppl. 3):51-129, 2017
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 Cohune Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Orbignya Oleifera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
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
Orbignya Speciosa Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Oryza Sativa (Rice) Bran	S		IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Bran Acid	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Bran Extract	S		IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Bran Oil	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	Final amended report 03/11 available from CIR; IJT 25(S2):91-120, 2006 (original)
Oryza Sativa (Rice) Bran Wax	S		IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Extract	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Germ Oil	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 36(Suppl. 3):51-129, 2017; IJT 25(S2):91-120, 2006 (original)
Oryza Sativa (Rice) Germ Powder	S		IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Oryza Sativa (Rice) Starch	S	These rice derived ingredients as used in products should not contain significant levels of pesticide residues or heavy metals	IJT 25(S2):91-120, 2006
Oxidized Beta-glucan	S		IJT 35(Suppl. 1):5-49, 2016
Oxidized Keratin	S		Final report 06/2016 available from CIR
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)
Ozokerite	S		JACT 3(3):43-99, 1984 confirmed 06/03
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	S		Final report 06/10 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 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-10 Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
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 Lanolin	S		Final amended report 09/12 available from CIR
PEG-10 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-10 Lanolin	S		Final amended report 09/12 available from CIR
PEG-10 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-10 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
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 Polydimethylsiloxylethyl Dimethicone/ Bis-Vinyl Dimethicone Crosspolymer	S		Final report 12/2014 available from CIR
PEG-10 Propylene Glycol	S		Final report 12/2016 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 Soy Sterol	S		IJT 23(S2):23-47, 2004
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PEG-10 Tsubakiate Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-10/Lauryl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-100	S		Final report 06/10 available from CIR
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-100 Lanolin	S		Final amended report 09/12 available from CIR
PEG-100 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
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 Methyl Ether Dimethicone	S		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-115M	S		Final report 06/10 available from CIR
PEG-12	S		Final report 06/10 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 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-12 Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-12 Dimethicone/Bis-Isobutyl PPG-20 Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-12 Dimethicone/PPG-20 Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
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-12 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
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-120 Methyl Glucose Dioleate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-120 Methyl Glucose Triisostearate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-120 Methyl Glucose Trioleate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-120 Propylene Glycol Stearate	S		Final report 12/2016 available from CIR
PEG-120 Propylene Glycol Stearate	S		IJT 20(S4):13-26, 2001
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-135	S		Final report 06/10 available from CIR
PEG-14	S		Final report 06/10 available from CIR
PEG-14 Avocado Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-14 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-14 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-14M	S		Final report 06/10 available from CIR
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 Lanolin	S		Final amended report 09/12 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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-15/Lauryl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-15/Lauryl Polydimethylsiloxethyl Dimethicone Crosspolymer	S		IJT 33(Suppl. 2):65-115, 2014
PEG-150	S		Final report 06/10 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 Lanolin	S		Final amended report 09/12 available from CIR
PEG-150 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-150 Pentaerythrityl Tetrastearate	S		Final report 06/2014 available from CIR
PEG-150 Stearate	S		IJT 24(S1):1-102, 2005
PEG-16	S		Final report 06/10 available from CIR
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-16 Soy Sterol	S		IJT 23(S2):23- 47, 2004
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-160M	S		Final report 06/10 available from CIR
PEG-17 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 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	S		Final report 06/10 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-180	S		Final report 06/10 available from CIR
PEG-180M	S		Final report 06/10 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
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Rapseedamine	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 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
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	S		Final report 06/10 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 Lanolin	S		Final amended report 09/12 available from CIR
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 Lanolin	S		IJT 33(Suppl. 2):65-115, 2014
PEG-20 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-20 Methyl Glucose Sesquicaprylate/sesquicaprate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-20 Methyl Glucose Distearate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-20 Methyl Glucose Sesquilaurate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-20 Methyl Glucose Sesquisteate	S		IJT 35(Suppl. 2):12-40, 2016
PEG-20 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-20 Sorbitan Beeswax	S	safe as used when formulated to be non-irritating	IJT 20(S4):27-38, 2001; 06/16/2015 FR
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 Tetraoleate	S		IJT 19(S2):43-89, 2000
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 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
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	S		Final report 06/10 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PEG-20M	S		Final report 06/10 available from CIR
PEG-22 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-220	S		Final report 06/10 available from CIR
PEG-23M	S		Final report 06/10 available from CIR
PEG-24 Hydrogenated Lanolin	S		Final amended report 09/12 available from CIR
PEG-24 Lanolin	S		Final amended report 09/12 available from CIR
PEG-240	S		Final report 06/10 available from CIR
PEG-240/HDI Copolymer Bis Decyltetradeceth 20 Ether	S		Final report 06/2016 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
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 Lanolin	S		Final amended report 09/12 available from CIR
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 Propylene Glycol Stearate	S		Final report 12/2016 available from CIR
PEG-25 Propylene Glycol Stearate	S		IJT 20(S4):13-26, 2001
PEG-25 Soy Sterol	S		IJT 23(S2):23-47, 2004
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-25M	S		Final report 06/10 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-27 Lanolin	S		Final amended report 09/12 available from CIR
PEG-29 Castor Oil	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 33(S4):13-39, 2014
PEG-2M	S		Final report 06/10 available from CIR
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/caprate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Disostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-3 Dimethicone	S		JACT 1 (4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 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 Lanolin	S		IJT 18(S1):61-68, 1999; Final amended report 09/12 available from CIR
PEG-30 Hydrogenated Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-30 Lanolin	S		JACT 1(4):91-102, 1982; Final amended report 09/12 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Sorbitol Tetraoleate Laurate (aka Sorbeth Tetraoleate Laurate)			IJT 19(S2):43-89, 2000
PEG-30 Soy Sterol	S		IJT 23(S2):23-47, 2004
PEG-30 Tallow Amine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-32	S		Final report 06/10 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-32 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG-32 Stearate	S		IJT 24(S1):1-102, 2005
PEG-33	S		Final report 06/10 available from CIR
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 Lanolin	S		Final amended report 09/12 available from CIR
PEG-35 Soy Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-350	S		Final report 06/10 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	S		Final report 06/10 available from CIR
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
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 PEG-12 Dimethicone	S		Final report 12/2014 available from CIR
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	S		Final report 06/10 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin	S		Final amended report 09/12 available from CIR
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 Lanolin	S		Final amended report 09/12 available from CIR
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-40 Soy Sterol	S		IJT 23 (S2):23-47, 2004
PEG-40 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-400	S		Final report 06/10 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	S		Final report 06/10 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-450	S		Final report 06/10 available from CIR
PEG-45M	S		Final report 06/10 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 Lanolin	S		Final amended report 09/12 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 Isononanoate	S		Final report 06/10 available from CIR
PEG-5 Lanolin	S		Final amended report 09/12 available from CIR
PEG-5 Oleamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
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 Soy Sterol	S		IJT 23(S2):23-47, 2004
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin	S		Final amended report 09/12 available from CIR
PEG-50 Stearamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-50 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-500	S		Final report 06/10 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	S		Final report 06/10 available from CIR
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-55 Lanolin	S		Final amended report 09/12 available from CIR
PEG-55 Propylene Glycol Oleate	S		Final report 12/2016 available from CIR
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-5M	S		Final report 06/10 available from CIR
PEG-6	S		Final report 06/10 available from CIR
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 Dimethicone	S		Final report 12/2014 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 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
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-6 Propylene Glycol Caprylate/Caprates	S		Final report 12/2016 available from CIR
PEG-6 Sorbitan Beeswax	S	safe when used when formulated to be non-irritating	IJT 20 (S4):27-38, 2001;06/16/2015 FR
PEG-6 Sorbitan Oleate	S		IJT 19(S2):43-89, 2000
PEG-6 Sorbitan Stearate	S		IJT 19(S2):43-89, 2000
PEG-6 Stearate	S		IJT 24(S1):1-102, 2005
PEG-60	S		Final report 06/10 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin	S		Final amended report 09/12 available from CIR
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-65M	S		Final report 06/10 available from CIR
PEG-7	S		Final report 06/10 available from CIR
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
PEG-7 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
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 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
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 Hydrogenated Lanolin	S		Final amended report 09/12 available from CIR
PEG-70 Lanolin	S		Final amended report 09/12 available from CIR
PEG-70 Mango Glycerides	SQ	when formulated to be nonirritating	Final report 12/2014 available from CIR
PEG-75	S		Final report 06/10 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 Lanolin	S		Final amended report 09/12 available from CIR
PEG-75 Lanolin Oil	S		Final amended report 09/12 available from CIR
PEG-75 Lanolin Wax	S		Final amended report 09/12 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 Propylene Glycol Stearate	S		Final report 12/2016 available from CIR
PEG-75 Propylene Glycol Stearate	S		IJT 20(S4):13-26, 2001
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PEG-78 Glyceryl Cocoate	SQ	when formulated to be nonirritating	IJT 19(S1):51-59, 1999; Final report 12/2014 available from CIR
PEG-7M	S		Final report 06/10 available from CIR
PEG-8	S		Final report 06/10 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 Cetyl Dimethicone	S		Final report 12/2014 available from CIR
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 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-8 Dimethicone Dimer Dilinoleate	S		Final report 12/2014 available from CIR
PEG-8 Dimethicone/Dimer Dilinoleic Acid Copolymer	S		Final report 12/2014 available from CIR
PEG-8 Dimethicone/Polysorbate 20 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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 Methicone	S		Final report 12/2014 available from CIR
PEG-8 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG-8 PEG-4 Dimethicone	S		Final report 12/2014 available from CIR
PEG-8 PPG-8 Dimethicone	S		Final report 12/2014 available from CIR
PEG-8 Propylene Glycol Cocoate	S		Final report 12/2016 available from CIR
PEG-8 Propylheptyl Ether	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 31(S2):169-244 (2012)
PEG-8 Sorbitan Beeswax	S	safe when used when formulated to be non-irritating	IJT 20(S4):27-38, 2001; 06/16/2015 FR
PEG-8 Soyamine	SQ	safe as used when formulated to be non-irritating	Final report 06/2015 available from CIR
PEG-8 Stearate	S		JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-80	S		Final report 06/10 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 Methyl Glucose Laurate	S		IJT 35(Suppl. 2):12-40, 2016
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-800	S		Final report 06/10 available from CIR
PEG-85 Lanolin	S		JACT 1(4):91-102, 1982; Final amended report 09/12 available from CIR
PEG-9	S		Final report 06/10 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 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; 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
PEG-9 Laurate	SQ	up to 25%	IJT 19(S2):29-41, 2000
PEG-9 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PEG-9 Polydimethylsiloxethyl Dimethicone	S		Final report 12/2014 available from CIR
PEG-90	S		Final report 06/10 available from CIR
PEG-90 Diisostearate	SQ	safe when formulated to be non-irritating	Final report 03/2015 available from CIR
PEG-90M	S		Final report 06/10 available from CIR
PEG-9M	S		Final report 06/10 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 Dimethicone	S		Final report 12/2014 available from CIR
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-10/3 Oleyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-12/16 Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-12/18 Dimethicone	S		Final report 12/2014 available from CIR
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-14/4 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
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-15/15 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-15/5 Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-16/2 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-16/8 Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-17/18 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
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-18/12 Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-18/18 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-18/6 Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-19/19 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/15 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/20 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/22 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-20/22 Methyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-20/23 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/29 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/6 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-22/22 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-22/23 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-22/24 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
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-23/23 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-23/6 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PEG/PPG-24/18 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-25/25 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
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-27/27 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-27/9 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PEG/PPG-3/10 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
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-30/10 Dimethicone	S		Final report 12/2014 available from CIR
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-4/12 Dimethicone	S		JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
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-6/11 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
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-6/4 Dimethicone	S		Final report 12/2014 available from CIR
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-8/14 Dimethicone	S		IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
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-8/26 Dimethicone	S		Final report 12/2014 available from CIR
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 Lanolin Alcohol Ether	S		Final amended report 09/12 available from CIR
PPG-10 Methyl Glucose Ether	S		IJT 35(Suppl. 2):12-40, 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
PPG-11 Stearyl Ether	S		IJT 20(S4):53- 59, 2001
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 Butyl Ether Dimethicone	S		Final report 12/2014 available from CIR
PPG-12 Dimethicone	S		Final report 12/2014 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-12-PEG-50 Lanolin	S		Final amended report 09/12 available from CIR
PPG-12-PEG-65 Lanolin Oil	S		Final amended report 09/12 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 Stearyl Ether	S		IJT 20(S4):53- 59, 2001
PPG-15-Buteth-20	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
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 Dimethicone	S		Final report 12/2014 available from CIR
PPG-2 Lanolin Alcohol Ether	S		Final amended report 09/12 available from CIR
PPG-2 Methyl Ether	S		IJT 28(S2): 162- 174, 2009
PPG-2 Methyl Ether Acetate	S		IJT 28(S2): 162-174, 2009
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin Alcohol Ether	S		Final amended report 09/12 available from CIR
PPG-20 Methyl Glucose Ether	S		IJT 35(Suppl. 2):12-40, 2016
PPG-20 Methyl Glucose Ether Acetate	S		IJT 35(Suppl. 2):12-40, 2016
PPG-20 Methyl Glucose Ether Distearate	S		IJT 35(Suppl. 2):12-40, 2016
PPG-20-Buteth-30	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR
PPG-20-Decyltetradeceth-10	SQ	safe when formulated to be non-irritating	IJT 35(Suppl. 1):60-89, 2016
PPG-20-PEG-20 Hydrogenated Lanolin	S		Final amended report 09/12 available from CIR
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 Diethylmonium Chloride	UNS		IJT 18(S3):57- 59, 2000
PPG-25 Dimethicone	S		Final report 12/2014 available from CIR
PPG-25 Methyl Glucose Ether	S		IJT 35(Suppl. 2):12-40, 2016
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-26/HDI Copolymer	S		Final report 06/2016 available from CIR
PPG-27 Dimethicone	S		Final report 12/2014 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 Methyl Ether	S		IJT 28(S2): 162-174, 2009
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin Alcohol Ether	S		Final amended report 09/12 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 Oleth-10 Dimethicone	S		Final report 12/2014 available from CIR
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
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-40 Diethylmonium Chloride	Z		IJT 18(S3):57-59, 1999
PPG-40-PEG-60 Lanolin Oil	S		Final amended report 09/12 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 Lanolin Alcohol Ether	S		Final amended report 09/12 available from CIR
PPG-5 Lanolin Wax	S		IJT 16(S3):307-316, 1997; Final amended report 09/12 Available from CIR
PPG-5 Lanolin Wax Glyceride	S		IJT 16(S3):307-316, 1997; Final amended report 09/12 Available from CIR
PPG-5-Buteth-5	SQ	safe when formulated to be non-irritating	Final report 3/2017 available from CIR



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Diethylmonium Chloride	UNS		IJT 18(S3):57-59, 1999
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
PVM/MA Copolymer	S		IJT 30 (S2):128-144, 2011
PVP	S		IJT 17 (S4):95-130, 1998
PVP/Dimethylaminoethyl Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Palm (Elaeis Guineensis) Oil	S		IJT 19 (S2):7-28, 2000
Palm Acid	S		IJT 36(Suppl. 3):51-129, 2017
Palm Kernel Acid	S		IJT 36(Suppl. 3):51-129, 2017
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
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Palmitic Acid	S		JACT 6(3):321-401, 1987 confirmed 06/05
Palmitic/Stearic Triglyceride	S		Final report 12/2017 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 Hexapeptide-12	S		Final report 06/2014 available from CIR
Palmitoyl Inulin	S		Final report 09/2015 available from CIR
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
Palmitoyl Tetrapeptide-7	S		Final report 06/2014 available from CIR
Pamitoyl Ethyltrimonium Methosulfate	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Pamitoyl Tripeptide-1	S		Final report 06/2014 available from CIR
Panax Ginseng Root	S		IJT 34(Suppl.3):5-42, 2015

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Panax Ginseng Root Extract***	S	"red" panax ginseng root extract and "white" panax ginseng root extract are reported to be used, within the given concentration range, but they are not separately listed as cosmetic ingredients	IJT 34(Suppl.3):5-42, 2015
Panax Ginseng Root Oil	S		IJT 34(Suppl.3):5-42, 2015
Panax Ginseng Root Powder	S		IJT 34(Suppl.3):5-42, 2015
Panax Ginseng Root Protoplast	S		IJT 34(Suppl.3):5-42, 2015
Panax Ginseng Root Water	S		IJT 34(Suppl.3):5-42, 2015
Panax Japonicus Root Extract	S		IJT 34(Suppl.3):5-42, 2015
Panax Notoginseng Root	S		IJT 34(Suppl.3):5-42, 2015
Panax Notoginseng Root Powder	S		IJT 34(Suppl.3):5-42, 2015
Panax Quinquefolium Root Extract	S		IJT 34(Suppl.3):5-42, 2015
Panthenic Acid	S		Final report 12/2017 available from CIR
Panthenol	S		JACT 6(1):139-62, 1987 confirmed 12/04 IJT 25(S2), 2006;Final report 12/2017 available from CIR
Panthenyl Ethyl Ether	S		Final report 12/2017 available from CIR
Panthenyl Ethyl Ether Acetate	S		Final report 12/2017 available from CIR
Panthenyl Triacetate	S		Final report 12/2017 available from CIR
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
Pantothenic Acid	S		JACT 6(1):139-62, 1987 confirmed 12/04 IJT 25(S2), 2006
Paraffin	S		JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Parinari Curatellifolia Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Passiflora Edulis Seed Oil	S		IJT 31(S2):169-244 (2012)
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 (Arachis Hypogaea) Flour	Z		IJT 20(S2):65-77, 2001
Peanut (Arachis Hypogaea) Oil	S		IJT 20(S2):65-77, 2001
Peanut Acid And Peanut Glycerides	S		IJT 36(Suppl. 3):51-129, 2017; IJT 20(S2):65-77, 2001 (original)
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
Pectin	S		Final report 09/2015 available from CIR
Pelargonic Acid	S		IJT 30(S3):228-269, 2011
Pentaerythrityl Tetraethylhexanoate/Benzoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Cocoate	S		IJT 30(S1):5S-16S
Pentaerythrityl Rosinate	Z		JACT 13(5):395-399, 1994; IJT 17(S4):83-94, 1998
Pentaerythrityl Tetra C5-10 Acid Esters	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetra C5-9 Acid Esters	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetra-Di- <i>t</i> -Butyl Hydroxyhydrocinnamate	S		Final report 03/2014 available from CIR
Pentaerythrityl Tetrabehenate	S		Final report 12/11 available from CIR
Pentaerythrityl Tetrabehenate/Benzoate/Ethylhexanoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetrabenzoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetracaprylate/Tetracaprate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetracocoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetraethylhexanoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetraisononanoate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetraisostearate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetramyristate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetraoleate	S		IJT 34(Suppl. 2):99-112, 2015

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Pentaerythrityl Tetrapelargonate	S		IJT 34(Suppl. 2):99-112, 2015
Pentaerythrityl Tetrastearate	S		IJT 34(Suppl. 2):99-112, 2015
Pentapotassium Triphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Pentasodium Pentetate	S		IJT 27 (S2): 71-92, 2008
Pentasodium Triphosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Pentetic Acid	S		IJT 27 (S2): 71-92, 2008
Pentylene Glycol	S		IJT 31 (S2): 147-168, 2012
Perfluorononyl Dimethicone/Methicone/ Amodimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Perilla Ocymoides Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Persea Gratissima (Avocado) Butter	S		IJT 36(Suppl. 3):51-129, 2017
Persea Gratissima (Avocado) Oil	S		Final amended report 03/11 available from CIR; JEPT 4(4):93-103, 1980 (original) re-review IJT 22(S1):1-35, 2003
Persea Gratissima (Avocado) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Persea Gratissima (Avocado) Sterols	S		Final report 12/2013 available from CIR
Petroleum Distillates (aka Petroleum Distillate)	S		JACT 5(3):225-248, 1986 confirmed 12/06
Phaseolus Angularis Seed Starch	S		Final report 09/2015 available from CIR
Phaseolus Radiatus Seed Starch	S		Final report 09/2015 available from CIR
Phenethyl Alcohol	SQ	up to 1%	JACT 9(2):165-83, 1990 confirmed 08/06
Phenoxyethanol	S		JACT 9(2):259-77, 1990
Phenyl Methyl Pyrazolone	S		JACT 11(4):475-88, 1992
Phenyl Trimethicone	S		JACT 5(5):353-71, 1986 confirmed 06/04 IJT 25(S2), 2006
<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
Phenylalanine	S		IJT 32(S4):41-64, 2013
<i>p</i> -Phenylenediamine HCl	S		Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
<i>p</i> -Phenylenediamine Sulfate	S		Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
<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
<i>p</i> -Phenylenediamine	S	use with henna (dark henna) for temporary tattoos is unapproved by FDA. <i>p</i> -Phenylenediamine is a known sensitizer, highly inappropriate for such use as evidenced by reports of severe adverse skin reactions to dark henna temporary tatoos	Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
Phloroglucinol	Z		JACT 14(6):468-75, 1995
Phosphate Buffered Saline	SQ	safe when formulated to be non-irritating	Final report 09/2016
Phosphatidic Acid	S		Final report 03/2015 available from CIR
Phosphatidylcholine	S		Final report 03/2015 available from CIR
Phosphatidylglycerol	S		Final report 03/2015 available from CIR
Phosphatidylinositol	S		Final report 03/2015 available from CIR
Phosphatidylserine	S		Final report 03/2015 available from CIR
Phospholipids	S		Final report 03/2015 available from CIR
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
Phytantriol	S		IJT 26(S1):107- 114, 2007
Phytosterols	S		Final report 12/2013 available from CIR
Phytosteryl Butyrate	S		Final report 12/2013 available from CIR
Phytosteryl Canolate	S		Final report 12/2013 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Phytosteryl Caprylate/Caprates	S		Final report 12/2013 available from CIR
Phytosteryl Hydroxystearate	S		Final report 12/2013 available from CIR
Phytosteryl Isostearate	S		Final report 12/2013 available from CIR
Phytosteryl Linoleate	S		Final report 12/2013 available from CIR
Phytosteryl Linoleate/Linoleate	S		Final report 12/2013 available from CIR
Phytosteryl Macadamiate	S		Final report 12/2013 available from CIR
Phytosteryl Nonanoate	S		IJT 30(S3):228-269, 2011; Final report 12/2013 available from CIR
Phytosteryl Oleate	S		Final report 12/2013 available from CIR
Phytosteryl Rice Branate	S		Final report 12/2013 available from CIR
Phytosteryl Ricinoleate	S		Final report 12/2013 available from CIR
Phytosteryl Sunflowerseedate	S		Final report 12/2013 available from CIR
Picramic Acid	S		IJT 28(S3): 205-216, 2009
Pinus Sibirica Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Piper Methysticum Leaf/Root/Stem Extract	UNS		IJT 28(S2): 175-188, 2009
Piper Methysticum Root Extract	Z		IJT 28(S2): 175-188, 2009
Pistacia Vera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Pisum Sativum (Pea) Protein	S		Final report 09/2017 available from CIR
Pisum Sativum (Pea) Starch	S		Final report 09/2015 available from CIR
Placental Enzymes	UNS	if used, should not deliver any metabolic/endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Placental Lipids	UNS	if used, should not deliver any metabolic/endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Placental Proteins	UNS	if used, should not deliver any metabolic/endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
Plukenetia Volubilis Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Polianthes Tuberosa Polysaccharide	S		Final report 09/2015 available from CIR
Poloxamer 101	S		IJT 27 (S2): 93-128, 2008
Poloxamer 105	S		IJT 27 (S2): 93-128, 2008
Poloxamer 105 Benzoate	S		IJT 27 (S2): 93-128, 2008
Poloxamer 108	S		IJT 27 (S2): 93-128, 2008
Poloxamer 122	S		IJT 27 (S2): 93-128, 2008
Poloxamer 123	S		IJT 27 (S2): 93-128, 2008
Poloxamer 124	S		IJT 27 (S2): 93-128, 2008
Poloxamer 181	S		IJT 27 (S2): 93-128, 2008
Poloxamer 182	S		IJT 27 (S2): 93-128, 2008
Poloxamer 182 Benzoate	S		IJT 27 (S2): 93-128, 2008
Poloxamer 183	S		IJT 27 (S2): 93-128, 2008
Poloxamer 184	S		IJT 27 (S2): 93-128, 2008
Poloxamer 185	S		IJT 27 (S2): 93-128, 2008
Poloxamer 188	S		IJT 27 (S2): 93-128, 2008
Poloxamer 212	S		IJT 27 (S2): 93-128, 2008
Poloxamer 215	S		IJT 27 (S2): 93-128, 2008
Poloxamer 217	S		IJT 27 (S2): 93-128, 2008
Poloxamer 231	S		IJT 27 (S2): 93-128, 2008
Poloxamer 234	S		IJT 27 (S2): 93-128, 2008
Poloxamer 235	S		IJT 27 (S2): 93-128, 2008

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Poloxamer 237	S		IJT 27 (S2): 93-128, 2008
Poloxamer 238	S		IJT 27 (S2): 93-128, 2008
Poloxamer 282	S		IJT 27 (S2): 93-128, 2008
Poloxamer 284	S		IJT 27 (S2): 93-128, 2008
Poloxamer 288	S		IJT 27 (S2): 93-128, 2008
Poloxamer 331	S		IJT 27 (S2): 93-128, 2008
Poloxamer 333	S		IJT 27 (S2): 93-128, 2008
Poloxamer 334	S		IJT 27 (S2): 93-128, 2008
Poloxamer 335	S		IJT 27 (S2): 93-128, 2008
Poloxamer 338	S		IJT 27 (S2): 93-128, 2008
Poloxamer 401	S		IJT 27 (S2): 93-128, 2008
Poloxamer 402	S		IJT 27 (S2): 93-128, 2008
Poloxamer 403	S		IJT 27 (S2): 93-128, 2008
Poloxamer 407	S		IJT 27 (S2): 93-128, 2008
Polystyrene/Hydrogenated Polyisopentene Copolymer	S		Final report 09/2014 available from CIR
Poly(C20-28 Olefin)	S		Final report 06/2015 available from CIR
Poly(C30-45 Olefin)	S		Final report 06/2015 available from CIR
Poly(C4-12 Olefin)	S		Final report 06/2015 available from CIR
Poly(C6-14 Olefin)	S		Final report 06/2015 available from CIR
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)
Polyacrylate-12	S		Final report 09/2014 available from CIR
Polyacrylate-15	S		Final report 09/2014 available from CIR
Polyacrylate-16	S		Final report 09/2014 available from CIR
Polyacrylate-18	S		Final report 09/2014 available from CIR
Polyacrylate-2	S		Final report 09/2014 available from CIR
Polyacrylate-21	S		Final report 09/2014 available from CIR
Polyacrylate-30	S		Final report 09/2014 available from CIR
Polyacrylate-5	S		Final report 09/2014 available from CIR
Polyacrylic Acid	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Polyamino Sugar Condensate	S		JACT 1 (4):25-32, 1982 confirmed 02/02 IJT 24(S1):80-81, 2005
Polybutene	S		JACT 1(4):103-18, 1982 confirmed 06/02 IJT 24(S1):81-82, 2005; Final report 06/2015 available from CIR
Polybutylene Terephthalate	S		IJT 33(S3):36-47, 2014
Polycaprylylsilsesquioxane	S		Final report 12/2017 available from CIR
Polydecene	S		Final report 06/2015 available from CIR
Polydimethylsiloxo PEG/PPG-24/19 Butyl Ether Silsesquioxane	S		Final report 12/2017 available from CIR
Polydimethylsiloxo PPG-13 Butyl Ether Silsesquioxane	S		Final report 12/2017 available from CIR
Polydimethylsiloxoethyl Dimethicone/Bis-Vinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Polyethylene	S		IJT 26(S1):115-127, 2007; Final report 06/2015 available from CIR
Polyethylene Isoterephthalate	S		IJT 33(S3):36-47, 2014
Polyethylene Terephthalate	S		IJT 33(S3):36-47, 2014
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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/Caprata	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodecabehenate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-10 Dodecacaprata	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
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Lanolin Alcohol Ether	S		Final amended report 09/12 available from CIR
Polyglyceryl-2 Laurate	SQ	safe when formulated to be non-irritating	Final report 09/2016
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 Sesquiisostearate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-2 Sesquioleate	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/Macadamiate/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 Octaisononanoate	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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Dicoate	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/Caprates	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3 Pentaoliveate	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 Trioliveate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-3/Lauryl Polydimethylsiloxyethyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Polyglyceryl-4 Almondate/Shea Butterate	SQ	safe when formulated to be non-irritating	Final report 09/2016
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/Caprates	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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Pentamylristate	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 Trimylristate	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
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 Sesquiiisostearate	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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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/Capratae	SQ	safe when formulated to be non-irritating	Final report 09/2016
Polyglyceryl-8 Decaerucate/Decaisostearate/ 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
Polyisobutene	S		IJT 27(S4): 83-106, 2008; Final report 06/2015 available from CIR
Polyisoprene	S		Final report 06/2015 available from CIR
Polymethyl Methacrylate (PMMA)	S		IJT 30 (1): 54-65, 2011
Polymethylsilsesquioxane	S		Final report 12/2017 available from CIR
Polymethylsilsesquioxane/Trimethylsiloxysilicate	S		Final report 12/2017 available from CIR
Polyoxymethylene Melamine (formerly Melamine/Formaldehyde Resin)	Z		JACT 14(5):373-85, 1995
Polyoxymethylene Urea	SQ	concentration of free formaldehyde should be 0.2%; unsafe for aerosols	JACT 14(3):204-20, 1995 confirmed 12/09
Polypentaerythrityl Terephthalate	S		IJT 33(S3):36-47, 2014
Polypentene	S		Final report 06/2015 available from CIR
Polypropylene	S		Final report 06/2015 available from CIR
Polypropylene Glycols (PPG)	SQ	50%	JACT 13 (6):437-91, 1994 reopened 12/09 tentative amended report 04/10 available from CIR
Polypropylene Terephthalate	S		IJT 33(S3):36-47, 2014
Polypropylsilsesquioxane	S		Final report 12/2017 available from CIR
Polyquaternium-10	S		JACT 7(3): 335-51, 1988 confirmed 09/05
Polyquaternium-11	S		JACT 2(5):161-78, 1983 confirmed 11/02 IJT 24(S1):82-83, 2005
Polyquaternium-14	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Polyquaternium-22	S		IJT 35(Suppl. 3):47-53, 2016
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-39	S		IJT 35(Suppl. 3):47-53, 2016
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)
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-7	S		JACT 14(6):476- 84, 1995; confirmed 04/2010
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-13	S		Final report 12/2014 available from CIR
Polysilicone-2	SQ;I	The CIR Expert Panel concluded that polysilicone-2, polysilicone-4, and polysilicone-5 are safe in cosmetics	Final 03/2016 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		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.	
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
Polystyrene	S		Final report 09/2014 available from CIR
Polyurethane-1	S		Final report 09/2017 available from CIR
Polyurethane-10	S		Final report 09/2017 available from CIR
Polyurethane-11	S		Final report 09/2017 available from CIR
Polyurethane-12	S		Final report 09/2017 available from CIR
Polyurethane-13	S		Final report 09/2017 available from CIR
Polyurethane-14	S		Final report 09/2017 available from CIR
Polyurethane-15	S		Final report 09/2017 available from CIR
Polyurethane-16	S		Final report 09/2017 available from CIR
Polyurethane-17	S		Final report 09/2017 available from CIR
Polyurethane-18	S		Final report 09/2017 available from CIR
Polyurethane-19	S		Final report 09/2017 available from CIR
Polyurethane-2	S		Final report 09/2017 available from CIR
Polyurethane-20	S		Final report 09/2017 available from CIR
Polyurethane-21	S		Final report 09/2017 available from CIR
Polyurethane-23	S		Final report 09/2017 available from CIR
Polyurethane-24	S		Final report 09/2017 available from CIR
Polyurethane-25	S		Final report 09/2017 available from CIR
Polyurethane-26	S		Final report 09/2017 available from CIR
Polyurethane-27	S		Final report 09/2017 available from CIR
Polyurethane-28	S		Final report 09/2017 available from CIR
Polyurethane-29	S		Final report 09/2017 available from CIR
Polyurethane-32	S		Final report 09/2017 available from CIR
Polyurethane-33	S		Final report 09/2017 available from CIR
Polyurethane-34	S		Final report 09/2017 available from CIR
Polyurethane-35	S		Final report 09/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Polyurethane-36	S		Final report 09/2017 available from CIR
Polyurethane-39	S		Final report 09/2017 available from CIR
Polyurethane-4	S		Final report 09/2017 available from CIR
Polyurethane-40	S		Final report 09/2017 available from CIR
Polyurethane-41	S		Final report 09/2017 available from CIR
Polyurethane-42	S		Final report 09/2017 available from CIR
Polyurethane-43	S		Final report 09/2017 available from CIR
Polyurethane-44	S		Final report 09/2017 available from CIR
Polyurethane-45	S		Final report 09/2017 available from CIR
Polyurethane-46	S		Final report 09/2017 available from CIR
Polyurethane-47	S		Final report 09/2017 available from CIR
Polyurethane-48	S		Final report 09/2017 available from CIR
Polyurethane-49	S		Final report 09/2017 available from CIR
Polyurethane-5	S		Final report 09/2017 available from CIR
Polyurethane-50	S		Final report 09/2017 available from CIR
Polyurethane-51	S		Final report 09/2017 available from CIR
Polyurethane-52	S		Final report 09/2017 available from CIR
Polyurethane-53	S		Final report 09/2017 available from CIR
Polyurethane-54	S		Final report 09/2017 available from CIR
Polyurethane-55	S		Final report 09/2017 available from CIR
Polyurethane-56	S		Final report 09/2017 available from CIR
Polyurethane-57	S		Final report 09/2017 available from CIR
Polyurethane-58	S		Final report 09/2017 available from CIR
Polyurethane-59	S		Final report 09/2017 available from CIR
Polyurethane-6	S		Final report 09/2017 available from CIR
Polyurethane-60	S		Final report 09/2017 available from CIR
Polyurethane-61	S		Final report 09/2017 available from CIR
Polyurethane-62	S		Final report 09/2017 available from CIR
Polyurethane-63	S		Final report 09/2017 available from CIR
Polyurethane-64	S		Final report 09/2017 available from CIR
Polyurethane-65	S		Final report 09/2017 available from CIR
Polyurethane-66	S		Final report 09/2017 available from CIR
Polyurethane-67	S		Final report 09/2017 available from CIR
Polyurethane-68	S		Final report 09/2017 available from CIR
Polyurethane-69	S		Final report 09/2017 available from CIR
Polyurethane-7	S		Final report 09/2017 available from CIR
Polyurethane-70	S		Final report 09/2017 available from CIR
Polyurethane-71	S		Final report 09/2017 available from CIR
Polyurethane-72	S		Final report 09/2017 available from CIR
Polyurethane-8	S		Final report 09/2017 available from CIR
Polyurethane-9	S		Final report 09/2017 available from CIR
Polyvinyl Acetate	S		JACT 15(2):166-76, 1996 JACT 11(4):465-73, 1992 (Original Report)
Polyvinyl Alcohol	S		IJT 17(S5):67-94, 1998
Potassium Acetate	S		IJT 31(S1):112-136, 2012
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 Alginate	S		Final report 09/2015 available from CIR
Potassium Aluminum Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Potassium Ascorbyl Tocopheryl Phosphate	S		IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Potassium Aspartate	S		IJT 32(S4):41-64, 2013
Potassium Babassuate	S		IJT 36(Suppl. 3):51-129, 2017
Potassium Benzoate	S		IJT 36(Suppl. 3):5-30, 2017
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 Butyl Ester Of PVM/MA Copolymer	S		Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
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 Carrageenan	S		Final report 09/2015 available from CIR
Potassium Caseinate	S		Final report 09/2017 available from CIR
Potassium Cellulose Succinate	S		Amended Safety Assessment 03/09 available from CIR
Potassium Cetyl Phosphate	SQ	safe for use when formulated to be non-irritating	Final report 09/2014 available from CIR
Potassium Chlorate	Z		JACT 14(3):221-30, 1995
Potassium Citrate	S		IJT 33 (S2): 16-46, 2014
Potassium Cocoate	S		IJT 30(S1):5S-16S
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 Hydrolyzed Collagen (formerly Potassium-Coco-Hydrolyzed Animal Protein)	S		JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24 (S1):82-85, 2005
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 Cornate	S		IJT 30(S1):17-39, 2011; IJT 36(Suppl. 3):51-129, 2017
Potassium Cumenesulfonate	S		IJT 30(S3):270-283, 2011
Potassium Dextrin Octenylsuccinate	S		Final report 09/2015 available from CIR
Potassium Dodecylbenzenesulfonate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 29 (S4) 288-305, 2010
Potassium Ethyl Ester Of PVM/MA Copolymer	S		IJT 30 (S2):128-144, 2011
Potassium Gluconate	S		Final report 03/2014 available from CIR
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 Glycyrrhetinate	S		IJT 26 (S2):79-112, 2007
Potassium Glycyrrhizinate	S		IJT 26(S2):79-112, 2007
Potassium Hyaluronate	S		IJT 28 (1): 5-67, 2009
Potassium Hydrogenated Cocoate	S		IJT 30(S1):5S-16S
Potassium Hydrogenated Palmate	S		IJT 36(Suppl. 3):51-129, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Metabisulfite	S		IJT 22(S2):63-88, 2003
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 Myristate	S		IJT 29(S3) :162 -186,2010
Potassium Myristoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Octoxynol-12 Phosphate	S		IJT 23(S1):59-111, 2004
Potassium Oliviate	S		IJT 36(Suppl. 3):51-129, 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 Palm Kernelate	S		IJT 36(Suppl. 3):51-129, 2017
Potassium Palmate	S		IJT 36(Suppl. 3):51-129, 2017
Potassium Peanutate	S		IJT 36(Suppl. 3):51-129, 2017
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 Rapeseedate	S		IJT 36(Suppl. 3):51-129, 2017
Potassium Ricinoleate	S		IJT 26(Suppl. 3):31-77, 2007
Potassium Safflowerate	S		IJT 36(Suppl. 3):51-129, 2017
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Potassium Sorbate	S		JACT 7(6):837-80, 1988 confirmed 04/06
Potassium Soyate	S		IJT 36(Suppl. 3):51-129, 2017
Potassium Stearate	S		JACT 1(2):143- 77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Potassium Stearoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Sulfite	S		IJT 22(S2):63-88, 2003
Potassium Tallate	S		IJT 28(S3):252-258, 2009
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 Toluenesulfonate	S		IJT 30(S3):270-283, 2011
Potassium Undecylenoyl Alginate	S		Final report 09/2015 available from CIR
Potassium Undecylenoyl Carrageenan	S		Final report 09/2015 available from CIR
Potassium Undecylenoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Potassium Xylenesulfonate	S		IJT 30(S3):270-283, 2011
Potato Starch Modified	S		Final report 09/2015 available from CIR
Proline	S		IJT 32(S4):41-64, 2013
Propane	S		JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Propanediol Dicaprylate	S		Final report 09/2017 available from CIR
Propanediol Dicaprylate/Caprates	S		Final report 09/2017 available from CIR
Propanediol Diisostearate	S		Final report 09/2017 available from CIR
Propanediol Dipelargonate	S		Final report 09/2017 available from CIR
Propionyl Collagen Amino Acids	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Propyl Acetate	S		IJT 31(S1):112- 136, 2012
Propyl Alcohol	S		IJT 31(S1):112 -136, 2012
Propyl Benzoate	S		IJT 31 (3):342-372 (2012)
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 Carbonate	S		JACT 6(1):23-51, 1987 confirmed 09/04 IJT 25(S2), 2006
Propylene Glycol	SQ	50%	JACT 13(6):437-91, 1994; IJT 31(2) 245-260, 2012
Propylene Glycol Alginate	S		Final report 09/2015 available from CIR
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Propylene Glycol Dicaprate	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 Dicoate	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
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
Propylene Glycol/Sebacic Acid/Trimellitic Anhydride Copolymer	I		Final report 09/2016
Propylheptyl Caprylate	SQ	safe as used in cosmetics when formulated to be non-irritating	IJT 34(Suppl.2):5-69, 2015
Propylparaben	S		IJT 27(S4): 1-82, 2008 JACT 3(5):147-209, 1984 (original report)
Prunus Amygdalus Dulcis (Sweet Almond) Oil	S		Final amended report 03/11 available from CIR; JACT 2(5):85-99, 1983; re-review IJT 24(S1):98-101, 2005
Prunus Amygdalus Dulcis (Sweet Almond) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Prunus Amygdalus Dulcis (Sweet Almond) Seed Meal (aka Almond Meal)	S		JACT 2(5):85-99, 1983 confirmed 11/02 IJT 24(S1):98-101, 2005
Prunus Armeniaca (Apricot) Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Prunus Armeniaca (Apricot) Kernel Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Prunus Avium (Sweet Cherry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Prunus Domestica Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Prunus Persica (Peach) Gum	S		Final report 09/2015 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Prunus Persica (Peach) Kernel Oil	S		IJT 36(Suppl. 3):51-129, 2017
Pseudoalteromonas Exopolysaccharides	S		IJT 35(Suppl. 1):5-49, 2016
Pueraria Lobata Starch	S		Final report 09/2015 available from CIR
Pullulan	S		IJT 35(Suppl. 1):5-49, 2016
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
Punica Granatum Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Punica Granatum Sterols	S		Final report 12/2013 available from CIR
Pyrocatechol	U;UNS	carcinogen; potential co-carcinogen. NOTE: for hair dyes, insuff. data to support safety.	IJT 16(S1):11-58,1997; JACT 5(3):123-65, 1986 (Original Report)
Pyrogallol	S		JACT 10(1):67-85, 1991
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
Pyrophyllite	S		IJT 22 (S1):37-102, 2003
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) Root Extract	I		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
Pyrus Malus (Apple) Stem Extract	I		Final report 03/2016 available from CIR
Quassin	Z		IJT 27 (S1):1-43, 2008
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	S		JACT 1(2):71-83, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-18 Bentonite	S		JACT 1 (2):71-83, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-18 Hectorite	S		IJT 32(S4):33-40, 2013 ; JACT 1(2):71-83 (original report), 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-18/Benzalkonium Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Quaternium-22	S		JACT 14(6):485-97, 1995 confirmed 04/10
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
Raffinose Isostearate	S		Final report 12/2016 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Raffinose Myristate	S		Final report 12/2016 available from CIR
Raffinose Oleate	S		Final report 12/2016 available from CIR
Rapeseed Acid	S		IJT 36(Suppl. 3):51-129, 2017
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
Resorcinol	S		JACT 5(3):167-203, 1986 confirmed 12/06
Retinol	S		JACT 6(3):279-320, 1987 confirmed 06/05
Retinyl Palmitate	S		JACT 6(3):279-320, 1987 confirmed 06/06
Rhamnose	S		Final report 03/2014 available from CIR
Rhizobian Gum	S		IJT 35(Suppl. 1):5-49, 2016
Rhus Succedanea Fruit Wax			JACT 3 (3):1-41, 1984 confirmed 06/03 IJT 24(S1):48-52, 2005
Ribes Nigrum (Black Currant) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Ribes Rubrum (Currant) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Ribose	S		Final report 03/2014 available from CIR
Rice Amino Acids	S		IJT 33(S4):5-12, 2014
Rice Bran Acid	S		IJT 36(Suppl. 3):51-129, 2017
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 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 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
Ricinoleic Acid	S		IJT 26(Suppl. 3):31-77, 2007
Ricinoleic/Caproic/Caprylic/Capric Triglyceride	S		Final report 12/2017 available from CIR
Ricinus Communis (Castor) Seed Oil	S		IJT 26(Suppl. 3):31-77, 2007
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 Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Rubus Chamamorus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Rubus Idaeus (Raspberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
SD Alcohol 3-A	S		IJT 27 (S1):1-43, 2008
SD Alcohol 30	S		IJT 27 (S1):1-43, 2008
SD Alcohol 39	Z		IJT 27 (S1):1-43, 2008
SD Alcohol 39-B	S		IJT 27 (S1):1-43, 2008
SD Alcohol 39-C	S		IJT 27 (S1):1-43, 2008
SD Alcohol 40	UNS		IJT 27 (S1):1-43, 2008
SD Alcohol 40-B	S		IJT 27 (S1):1-43, 2008
SD Alcohol 40-C	S		IJT 27 (S1):1-43, 2008
SD Alcohol 40C	S		IJT 27 (S1):1-43, 2008
Safflower (Carthamus Tinctorius) Oil	S		JACT 4(5):171-97, 1985 confirmed 02/04 IJT 25(S2), 2006
Safflower Acid	S		IJT 36(Suppl. 3):51-129, 2017
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	S		IJT 36(Suppl. 3):51-129, 2017
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	S		IJT 36(Suppl. 3):51-129, 2017
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
Sclerotium Gum	S		IJT 35(Suppl. 1):5-49, 2016
Sebacic Acid	S		IJT 31 (S1):5-76, 2012
Sericin	S		Final report 12/2015 available from CIR
Serine	S		IJT 32(S4):41-64, 2013
Sesame Amino Acids	S		IJT 33(S4):5-12, 2014
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
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Sesamum Indicum (Sesame) Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Sesamum Indicum (Sesame) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)
Sesamum Indicum (Sesame) Seed Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)
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 (amorphous)	S		Final Report 09/09 available from CIR
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
Silicone Quaternium-16/Glycidoxy Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Silk	S		Final report 12/2015 available from CIR
Silk Amino Acids	S		IJT 33(S4):5-12, 2014
Silk Extract	S		Final report 12/2015 available from CIR
Silk Powder	S		Final report 12/2015 available from CIR
Silkworm Cocoon Extract	UNS		Final report 12/2015 available from CIR
Silver Borosilicate	S		IJT 32(S3): 65-72, 2013
Silybum Marianum Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Simmondsia Chinensis (Jojoba) Butter	S		Amended Final Report 09/08 - available from CIR
Simmondsia Chinensis (Jojoba) Seed Oil	S		Amended Final Report 09/08 - available from CIR JACT 11(1):57-74, 1992 (original report)
Simmondsia Chinensis (Jojoba) Wax	S		Amended Final Report 09/08 - available from CIR JACT 11(1):57-74, 1992 (original report)
Sodium Acetate	S		IJT 31(S1):112 -136, 2012
Sodium Acrylate/Acryloyldimethyltaurate/ Dimethylacrylamide Crosspolymer	S		Final report 3/2017 available from CIR
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	S		Final report 3/2017 available from CIR
Sodium Acrylate/Sodium Acryloyldimethyl Taurate/Acrylamide Copolymer	S		Final report 3/2017 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Acryloyl Dimethyl Taurate/PEG-8 Diacrylate Crosspolymer	S		Final report 3/2017 available from CIR
Sodium Acryloyldimethyl Taurate/Acrylamide/VP Copolymer	S		Final report 3/2017 available from CIR
Sodium Acryloyldimethyltaurate/Methacrylamidolauric Acid Copolymer	S		Final report 3/2017 available from CIR
Sodium Acryloyldimethyltaurate/VP Crosspolymer	S		Final report 3/2017 available from CIR
Sodium Algin Sulfate	S		Final report 09/2015 available from CIR
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 Ascorbate	S		IJT 24(2):51-111, 2005
Sodium Ascorbyl Phosphate	S		IJT 24 (2):51-111, 2005
Sodium Aspartate	S		IJT 32(S4):41-64, 2013
Sodium Astrocaryum Murumuru	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Avocadoate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Babassuate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Benzoate	S		IJT 36(Suppl. 3):5-30, 2017; IJT 20(S3):23-50, 2001
Sodium Benzotriazolyl Butylphenol Sulfonate	S		Final report 03/2015 available on CIR
Sodium Bicarbonate	S		JACT 6 (1):121-138, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium Bisulfite	S		IJT 22(S2):63-88, 2003
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 Butyl Ester Of PVM/MA Copolymer	S		IJT 30(Suppl. 2):128-144, 2011; JACT 12(3):243-56, 1993 (original report)
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 10 ppm for unsubstituted alkane sultones, 1 ppm for chlorosultones, and 0.1 ppm for unsaturated sultones	IJT 17(S5):39-66, 1998
Sodium C14-18 Olefin Sulfonate	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 Prolinate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Sodium Capryloyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Carbonate	S		JACT 6(1):121-38, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium Carboxymethyl Beta-glucan	S		IJT 35(Suppl. 1):5-49, 2016
Sodium Carboxymethyl Dextran	S		IJT 35(Suppl. 1):5-49, 2016
Sodium Carboxymethyl Inulin	S		Final report 09/2015 available from CIR
Sodium Carboxymethyl Starch	S		Final report 09/2015 available from CIR
Sodium Carrageenan	S		Final report 09/2015 available from CIR
Sodium Caseinate	S		Final report 09/2017 available from CIR
Sodium Cellulose Sulfate	S		Amended safety assesment 03/09 available from CIR
Sodium Cetearyl Sulfate	S		IJT 29(S2): 115-132, 2010 JACT 11(1):145-55, 1992 (original report)
Sodium Cetyl Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium Citrate	S		IJT 33 (S2): 16-46, 2014
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 Coco-Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium Coco/Hydrogenated Tallow Sulfate	S		IJT 29(Suppl. 2):115-132, 2010
Sodium Cocoa Butterate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Cocoamphoacetate	S		JACT 9 (2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Sodium Cocoamphopropionate	S		JACT 9 (2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Sodium Cocoate	S		IJT 36(Suppl. 3):51-129, 2017; IJT 30(S1):5S-16S, 2011
Sodium Cocomonoglyceride Sulfate	S		IJT 30(S1):5S-16S, 2011
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 Cumenesulfonate	S		IJT 30(S3):270-283, 2011
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 Decyl Sulfate	S		IJT 29(S2): 115-132, 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 Dehydroacetate	S		JACT 4 (3):123-159, 1985 confirmed 11/03 IJT 25(S2), 2006
Sodium Dextran Sulfate	S		IJT 35(Suppl. 1):5-49, 2016

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Sodium Dextrin Octenylsuccinate	S		Final report 09/2015 available from CIR
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 Erythorbate	S		IJT 18(S3):1-26, 1999
Sodium Ethyl Ester Of PVM/MA Copolymer	S		IJT 30(Suppl. 2):128-144, 2011; JACT 12(3):243-56, 1993 (original report)
Sodium Ethylhexyl Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium Formate	SQ		IJT 35(Suppl. 2):41-54, 2016
Sodium Fumarate	S		Final report 03/09 available from CIR
Sodium Gluconate	S		Final report 03/2014 available from CIR
Sodium Glutamate	S		IJT 32(S4):41-64, 2013
Sodium Glycinate	S		IJT 32(S4):41-64, 2013
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 Grapeseedate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Hexametaphosphate	SQ	safe when formulated to be non-irritating	IJT 20(S3):75-89, 2001; Final report 09/2016
Sodium Hyaluronate	S		IJT 28 (1): 5- 67, 2009
Sodium Hydrogenated Cocoate	S		IJT 30(S1):5S-16S
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 Palmate	S		IJT 36(Suppl. 3):51-129, 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 Hydrolyzed Casein	S		Final report 09/2017 available from CIR
Sodium Hydrolyzed Potato Starch Dodecenylsuccinate	S		Final report 09/2015 available from CIR
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 Hydroxypropyl Oxidized Starch Succinate	S		Final report 09/2015 available from CIR
Sodium Iodate	Z		JACT 14(3):231-39, 1995
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 Lauraminopropionate	Z		IJT 16(S1):1-10,1997
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Sodium Lauriminodipropionate	S		IJT 32 (S3):49-55, 2013; original report IJT 16(S1):1-10,1997
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 Lauryl Sulfoacetate	S		JACT 6 (3):261-277, 1987 confirmed 12/04 IJT 25(S2), 2006
Sodium Macadamiaseedate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Magnesium Silicate	S		IJT 22 (S1):37-102, 2003
Sodium Malate	SQ	safe for use as pH adjusters; insufficient data to support safety for other uses	IJT 20(S1):47-55, 2001
Sodium Mangoseedate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Metabisulfite	S		IJT 22(S2):63 -88, 2003
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 Methacrylate/styrene Copolymer	S		Final report 09/2014 available from CIR
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
Sodium Myristate	S		IJT 29(S3):162-186, 2010
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 Myristyl Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium N-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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Octoxynol-9 Sulfate	S		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 Oleyl Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium Oliviate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Olivoyl Glutamate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Sodium Oxidized Starch Acetate/Succinate	S		Final report 09/2015 available from CIR
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 Kernelate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Palm Kerneloyl Isethionate	SQ		IJT 36(Suppl. 1):5-16, 2017
Sodium Palmate	S		IJT 36(Suppl. 3):51-129, 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 Pantothenate	S		Final report 12/2017 available from CIR
Sodium Peanutate	S		IJT 36(Suppl. 3):51-129, 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 dentrifices	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 Picramate	S		IJT 28(S3): 205-216, 2009 JACT 11(4):447-64, 1992 (original report)
Sodium Polyacrylate	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Sodium Polyacryloyldimethyl Taurate	S		Final report 3/2017 available from CIR
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 Potassium Aluminum Silicate	S		Final Report 09/09 available from CIR
Sodium Rapeseedate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Ricinoleate	S		IJT 26(S3): 31-77, 2007
Sodium Safflowerate	S		IJT 36(Suppl. 3):51-129, 2017
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 Sesameseedate	S		Final amended report 03/11 available from CIR; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Sodium Sesquicarbonate	S		JACT 6(1):121-38, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium Silicate	SQ	safe for use when formulated to avoid skin irritation	IJT 24(S1):103-117, 2005
Sodium Soyate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Starch Octenylsuccinate	S		Final report 09/2015 available from CIR
Sodium Stearate	S		JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
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 Stearyl Fumarate	S		Final report 03/09 available from CIR
Sodium Stearyl Sulfate	S		IJT 29(S2): 115-132, 2010
Sodium Styrene/Acrylates Copolymer	S		IJT 21(S3):1-50, 2002; Final report 09/2014 available from CIR
Sodium Styrene/Acrylates/Ethylhexyl Acrylate/Lauryl Acrylate Copolymer	S		Final report 09/2014 available from CIR
Sodium Succinate	S		IJT 31 (S1):5-76, 2012
Sodium Sulfate	SQ	safe as used when formulated to be non-irritating	IJT 19(S1):77-87, 2000; Final report 06/2016
Sodium Sulfite	S		IJT 22(S2):63-88, 2003
Sodium Sweet Almondate	S		IJT 36(Suppl. 3):51-129, 2017
Sodium Tallate	S		IJT 28(S3):252-258, 2009
Sodium Tallow Sulfate	S		IJT 29(S2): 115-132, 2010
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 Theobroma Grandiflorum Seedate	S		IJT 36(Suppl. 3):51-129, 2017
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 concentrations up to 15.2%; hairdressers should avoid skin contact and minimize consumer skin exposure	IJT 28(S3):68-133, 2009
Sodium Tocopheryl Phosphate	S		Final report 03/2014 available from CIR
Sodium Toluenesulfonate	S		IJT 30(S3):270-283, 2011
Sodium Trideceth Sulfate	S		IJT 29(S3) :151-161,2010
Sodium Tridecyl Sulfate	S		IJT 29(S2): 115-132, 2010
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 Xylenesulfonate	S		IJT 30 (S3):270-283, 2011
Sodium <i>p</i> -Chloro- <i>m</i> -Cresol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Sodium- <i>m</i> -Nitrobenzenesulfonate	Z		JACT 15(4):337-47, 1996
Sodium/TEA C12-13 Parth-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 Alginate	S		Final report 09/2015 available from CIR
Sodium/TEA-Undecylenoyl Carrageenan	S		Final report 09/2015 available from CIR
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
Solanum Lycopersicum (Tomato) Fruit Oil	S		IJT 36(Suppl. 3):51-129, 2017
Solanum Lycopersicum (Tomato) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Solanum Tuberosum (Potato) Starch	S		Final report 09/2015 available from CIR
Soluble Collagen	S		Final report 09/2017 available from CIR
Soluble Elastin	S		Final report 09/2017 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Soluble Keratin	S		Final report 06/2016 available from CIR
Sorbeth Tetraoleate Laurate	S		IJT 19(S2):43-89, 2000
Sorbeth Tetrastearate	S		IJT 19(S2):43-89, 2000
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/caprates	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	S		IJT 19(S2):43-89, 2000
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
Sorbic Acid	S		JACT 7(6):837-80, 1988 confirmed 04/06
Sorbitan Caprylate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Cocoate	S		IJT 21 (S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Diisostearate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Dioleate	S		IJT 21 (S1):93-112, 2002; Final report 12/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Sorbitan Distearate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Isostearate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Laurate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Oleate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Olivatate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Palmate	S		Final report 12/2014 available from CIR
Sorbitan Palmitate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Sesquicaprylate	S		Final report 12/2014 available from CIR
Sorbitan Sesquiosostearate	S		IJT 21(S1):93-112, 2003; Final report 12/2014 available from CIR
Sorbitan Sesquioleate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Sesquistearate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Stearate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Triisostearate	S		IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Trioleate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Tristearate	S		JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Undecylenate	S		Final report 12/2014 available from CIR
Soy Acid	S		IJT 36(Suppl. 3):51-129, 2017
Soy Amino Acids	S		IJT 33(S4):5-12, 2014
Soy Sterol Acetate	S		Final report 12/2013 available from CIR
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)
Spirulina Amino Acids	S		IJT 33(S4):5-12, 2014
Squalane	S		JACT 1(2):37-56, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Squalene	S		JACT 1(2):37-56, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Starch Acetate	S		Final report 09/2015 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Starch Acetate/Adipate	S		Final report 09/2015 available from CIR
Starch Diethylaminoethyl Ether	S		Final report 09/2015 available from CIR
Starch Hydroxypropyltrimonium Chloride	S		Final report 09/2015 available from CIR
Starch Laurate	S		Final report 09/2015 available from CIR
Starch Tallowate	S		Final report 09/2015 available from CIR
Steapyrium Chloride	S		JACT 10(1):87- 97, 1991; IJT 30(S2):73-127, 2011
Stearalkonium Bentonite	SQ	safe as used when formulated to be non-irritating	Final report 03/2016 available from CIR
Stearalkonium Chloride	S		JACT 1(2):57 -69, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Stearalkonium Hectorite	S		IJT 32(S4):33-40, 2013; IJT 19(S2):91-98, 2000 (original report)
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 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
Stearamide DIBA-Stearate	Z		IJT 20(S3):91-97, 2001
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 Dimethicone	S		IJT 22(S2):11-35, 2003
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	UNS		JACT 14(3):196-203, 1995
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-100/PEG-136/HDI Copolymer	S		Final report 06/2016 available from CIR
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)
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Stearth-80	SQ	safe for use in cosmetics when formulated to be non- irritating	IJT 31(S2):169-244 (2012)
Stearic Acid	S		JACT 6(3):321- 401, 1987 confirmed 06/05 IJT 25(S2), 2006
Stearic Hydrzide	Z		JACT 10(1):99-101, 1991
Stearoxy Dimethicone	S		IJT 22(S2):11-35, 2003; Final report 12/2014 available from CIR
Stearoxymethicone/Dimethicone Copolymer	S		Final report 12/2014 available from CIR
Stearoxypropyltrimonium Chloride	SQ	safe when formulated to be non-irritating	IJT 31(S3): 296-341 (2012)
Stearoxytrimethylsilane	S		Final report 12/2016 available from CIR
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 Inulin	S		Final report 09/2015 available from CIR
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 Acetate	S		IJT 31(S1):112- 136, 2012
Stearyl Alcohol	S		JACT 4(5):1-29, 1985 confirmed 03/04 IJT 25(S2), 2006
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 Benzoate	S		IJT 31(3):342-372 (2012)
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 Citrate	S		IJT 33 (S2): 16-46, 2014
Stearyl Dimethicone	S		IJT 22(S2):11-35, 2003
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 Glycol	S		IJT 31 (S2): 147-168, 2012
Stearyl Glycerylacetate	S		IJT 26 (S2):79-112, 2007
Stearyl HDI/PEG-50 Copolymer	S		Final report 06/2016 available from CIR
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 Methicone	S		IJT 22(S2):11-35, 2003
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
Sterculia Urens Gum	S		Final report 09/2015 available from CIR
Styrene/Acrylates Copolymer	S		IJT 21(S3):1-50, 2002; Final report 09/2014 available from CIR
Styrene/Acrylates/Ammonium Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Styrene/Acrylates/Dimethicone Acrylate Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Styrene/Acrylates/ethylhexyl Acrylate/lauryl Acrylate Copolymer	S		Final report 09/2014 available from CIR
Styrene/Butadiene Copolymer	S		Final report 09/2014 available from CIR
Styrene/Isoprene Copolymer	S		Final report 09/2014 available from CIR
Styrene/Methylstyrene Copolymer	S		Final report 09/2014 available from CIR
Styrene/Stearyl Methacrylate Crosspolymer	S		Final report 09/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Styrene/VA Copolymer	S		Final report 09/2014 available from CIR
Styrene/VP Copolymer	S		Final report 09/2014 available from CIR
Succinic Acid	S		IJT 31 (S1):5-76, 2012
Sucralose	S		Final report 03/2014 available from CIR
Sucrose	S		Final report 03/2014 available from CIR
Sucrose Acetate Isobutyrate	S		Final report 12/2016 available from CIR
Sucrose Acetate/Stearate	S		Final report 12/2016 available from CIR
Sucrose Benzoate	S		Final report 12/2016 available from CIR
Sucrose Cocoate	S		Final report 12/2016 available from CIR
Sucrose Dilaurate	S		Final report 12/2016 available from CIR
Sucrose Dipalmitate	S		Final report 12/2016 available from CIR
Sucrose Distearate	S		Final report 12/2016 available from CIR
Sucrose Hexaerucate	S		Final report 12/2016 available from CIR
Sucrose Hexaoleate/Hexapalmitate/Hexastearate	S		Final report 12/2016 available from CIR
Sucrose Hexapalmitate*	S		Final report 12/2016 available from CIR
Sucrose Laurate	S		Final report 12/2016 available from CIR
Sucrose Myristate	S		Final report 12/2016 available from CIR
Sucrose Octaacetate	S		Final report 12/2016 available from CIR
Sucrose Oleate	S		Final report 12/2016 available from CIR
Sucrose Palmitate	S		Final report 12/2016 available from CIR
Sucrose Palmitate/Stearate Or Sucrose Stearate-Palmitate Ester	S		Final report 12/2016 available from CIR
Sucrose Pentaerucate	S		Final report 12/2016 available from CIR
Sucrose Pentahydroxystearate	S		Final report 12/2016 available from CIR
Sucrose Polybehenate	S		Final report 12/2016 available from CIR
Sucrose Polycottonseedate	S		Final report 12/2016 available from CIR
Sucrose Polylaurate	S		Final report 12/2016 available from CIR
Sucrose Polylinoleate	S		Final report 12/2016 available from CIR
Sucrose Polyoleate	S		Final report 12/2016 available from CIR
Sucrose Polysoyate	S		Final report 12/2016 available from CIR
Sucrose Polystearate	S		Final report 12/2016 available from CIR
Sucrose Stearate	S		Final report 12/2016 available from CIR
Sucrose Tetrahydroxystearate	S		Final report 12/2016 available from CIR
Sucrose Tetraisostearate	S		Final report 12/2016 available from CIR
Sucrose Tetrastearate Triacetate	S		Final report 12/2016 available from CIR
Sucrose Tribehenate	S		Final report 12/2016 available from CIR
Sucrose Trilaurate	S		Final report 12/2016 available from CIR
Sucrose Tristearate	S		Final report 12/2016 available from CIR
Sulfonated Keratin	S		Final report 06/2016 available from CIR
Sunflower Seed Acid	S		IJT 36(Suppl. 3):51-129, 2017
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



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Amino Acids	S		IJT 33(S4):5-12, 2014
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
Synthetic Beeswax	S		JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Synthetic Fluorophlogopite	S		IJT 34(Suppl.3):43-52, 2015
Synthetic Jojoba Oil	S		Amended Final Report 09/08 - available from CIR
Synthetic Wax	S		JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
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 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-Alginate	S		Final report 09/2015 available from CIR
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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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 Nnitroso 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
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-Cocoyl-Hydrolyzed Collagen (formerly Triethanolamine-Coco-Hydrolyzed Animal Protein)	S		JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24(S1):82-85, 2005
TEA-Dextrin Octenylsuccinate	S		Final report 09/2015 available from CIR
TEA-Dodecylbenzenesulfonate	SQ		JACT 12(3):279-309, 1993 (original report); IJT 29 (S4) 288-305, 2010
TEA-EDTA	S		IJT 21(S2):95- 142, 2002
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	IJT 17(S1):1-242, 1998; IJT 32(S1): 59-81, 2013

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		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.	
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 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 1 (4):143-67, 1982; IJT 32(S1): 59-81, 2013
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	IJT 22(3):1-108

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
		sun sensitivity would be expected, directions for use include the daily use of sun protection.	
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
Talc	S		IJT 34(S1):66-129, 2015
Tall Oil Acid	S		IJT 28(S3):252-258, 2009 JACT 8(4):769-776, 1989 (original report)
Tall Oil Sterol	S		Final report 12/2013 available from CIR
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 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
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	S		JACT 9(2):153-64, 1990 confirmed 06/06
Tallow Betaine	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 03/2014 available from CIR
Tallow Glyceride	S		JACT 9(2):153-64, 1990 confirmed 06/06
Tallow Glycerides	S		JACT 9(2):153-64, 1990 confirmed 06/06
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 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
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)

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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)
Tamarindus Indica Seed Gum	S		Final report 09/2015 available from CIR
Tapioca Starch	S		Final report 09/2015 available from CIR
Tapioca Starch Crosspolymer	S		Final report 09/2015 available from CIR
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
Tetrahexyldecyl Ascorbate	S		Final report 06/2017 available from CIR
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 EDTA	S		IJT 21(S2):95- 142, 2002
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 Cacao (Cocoa) Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
Theobroma Grandiflorum Seed Butter	S		IJT 36(Suppl. 3):51-129, 2017
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
Threonine	S		IJT 32(S4):41-64, 2013
Thymol	SQ	up to 0.5%	IJT 25(S1):29-127, 2006
Tin(IV) Oxide	S		IJT 33(S4):40-46, 2014
Tocopherol	S		IJT 21 (S3):51-116, 2002; Final report 03/2014 available from CIR
Tocophersolan	S		IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Acetate	S		IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Linoleate	S		IJT 21(S3):51- 116, 2002; Final report 03/2014 available from CIR
Tocopheryl Linoleate/Oleate	S		IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Nicotinate	S		IJT 21(S3):51 -116, 2002; Final report 03/2014 available from CIR
Tocopheryl Phosphate	S		Final report 03/2014 available from CIR
Tocopheryl Succinate	S		IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocotrienols	S		Final report 03/2014 available from CIR

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Toluene	S		JACT 6(1):77-120, 1987 confirmed 03/05 IJT 25(S2), 2006
Toluene Sulfonic Acid	S		IJT 30(S3):270-283, 2011
Toluene-2,5-Diamine	S		JACT 11(4):423-45, 1992 (original report); IJT 29(S2):61-83, 2010
Toluene-2,5-Diamine Sulfate	S		JACT 11(4):423-45, 1992 (original report); IJT 29(S2):61-83, 2010
Toluene-3,4-Diamine	Z		JACT 11(4):423-45, 1992 (original report); IJT 29(S2):61-83, 2010
Toluenesulfonamide/Formaldehyde Resin (aka Tosylamide/Formaldehyde Resin)	S		JACT 5(5):471-490, 1986 confirmed 09/04 IJT 25(S2), 2006
Toluenesulfonamide/Formaldehyde Resin-80	S		JACT 5(5):471-490, 1986 confirmed 09/04 IJT 25(S2), 2006
Torreyia Nucifera Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Tragacanth (Astragalus Gummifer) Gum	S		JACT 6(1):1-22, 1987 confirmed 09/04 IJT 25(S2), 2006
Trehalose	S		Final report 03/2014 available from CIR
Trehalose Isostearate Esters	S		Final report 12/2016 available from CIR
Trehalose Undecylenoate	S		Final report 12/2016 available from CIR
Tri-C12-13 Alkyl Citrate	S		IJT 33 (S2): 16-46, 2014
Tri-C14-15 Alkyl Citrate	S		IJT 33 (S2): 16-46, 2014
Triacetin	S		IJT 22(S2):1-10, 2003
Triarachidin	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Tribehenin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Tributyl Citrate	S		IJT 33 (S2): 16-46, 2014
Tricalcium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016 available from CIR
Tricaprin	S		IJT 20(S4):61- 94, 2001;Final report 12/2017 available from CIR
Tricaprylin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Tricaprylyl Citrate	S		IJT 33 (S2): 16-46, 2014
Tricaprylyl/Capryl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
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
Trichloroethane	S		IJT 27(S4): 107-138, 2008
Triclosan	S		Final report 12/10 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

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
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
Trierucin	S		IJT 20(S4):61- 94, 2001;Final report 12/2017 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
Triethanolamine Cocoyl Hydrolyzed Collagen (formerly Triethanolamine-Coco-Hydrolyzed Animal Protein)	S		JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24 (S1):82-85, 2005
Triethoxycaprylylsilane	S		Final report 12/2016 available from CIR
Triethyl Citrate	S		IJT 33 (S2): 16-46, 2014
Triethylene Glycol	S		Amended Final Report 06/10 - available from CIR
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
Triethylhexanoin (aka Trioctanoin) Triisononanoin	S		IJT 20(S4):61-94, 2001
Triethylhexyl Citrate	S		IJT 33 (S2): 16-46, 2014
Triethylhexyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Trifluoropropyl Dimethicone/PEG-10 Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Trifluoropropyl Dimethicone/Trifluoropropyl Divinyldimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Trifluoropropyl Dimethicone/Vinyl Trifluoropropyl Dimethicone/Silsesquioxane Crosspolymer	S		IJT 33 (S2): 65-115, 2014
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)
Trigonella Foenum-graecum Hydroxypropyltrimonium Chloride	S		IJT 34 (S1): 35-65, 2015
Triheptanoin	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Triheptylundecanoin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Trihexyldecyl Citrate	S		IJT 33 (S2): 16-46, 2014
Trihydroxystearin	S		IJT 19(S1):89-94, 2000;Final report 12/2017 available from CIR
Triisocetyl Citrate	S		IJT 33 (S2): 16-46, 2014
Triisodecyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Triisononanoin	S		Final report 12/2017 available from CIR
Triisopalmitin	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 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
Triisopropyl Citrate	S		IJT 33 (S2): 16-46, 2014
Triisostearin	S		Final report 12/2017 available from CIR
Triisostearin	S		IJT 20(S4):61- 94, 2001
Triisostearoyl Polyglyceryl-3 Dimer Dilinoleate	SQ	safe when formulated to be non-irritating	Final report 09/2016

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Triisostearyl Citrate	S		IJT 33(Suppl.2):16-46, 2014
Triisotridecyl Trimellitate	SQ	safe when formulated to be non-irritating	Final report 09/2015 available from CIR
Trilaurin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Trilauryl Citrate	S		IJT 33(Suppl.2):16-46, 2014
Trilauryl Phosphate	SQ		Final report 09/2014 available from CIR
Trilinolein	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Trilinolenin	S		Final report 12/2017 available from CIR
Trimagnesium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Trimethoxycaprylylsilane	S		Final report 12/2016 available from CIR
Trimethyl Pentanyl Diisobutyrate	S		Final report 09/2017 available from CIR
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
Trimethylpentanediol/Isophthalic Acid/ Trimellitic Anhydride Copolymer	I		Final report 09/2016
Trimethylpentyl Polysilsesquioxane	S		Final report 12/2017 available from CIR
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)
Trimethylsiloxysilicate/Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Trimethylsiloxysilicate/Dimethiconol Crosspolymer	S		IJT 36(Suppl. 3):31-50, 2017
Trimyrustin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Trioctanoin (now, Triethylhexanoin)	S		Final report 12/2017 available from CIR
Trioctyldodecyl Citrate	S		IJT 33(Suppl.2):16-46, 2014
Triolein	S		IJT 20(S4):61- 94, 2001;Final report 12/2017 available from CIR
Trioleyl Citrate	S		IJT 33(Suppl.2):16-46, 2014
Trioleyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Tripalmitin	S		IJT 20(S4):61-94, 2001;Final report 12/2017 available from CIR
Tripalmitolein	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Tripelargonin	S		Final report 12/2017 available from CIR
Tripeptide-1	S		Final report 06/2014 available from CIR
Tripotassium EDTA	S		IJT 21(S2):95-142, 2002
Tripropylene Glycol	S	safe when formulated to be non- irritating	IJT 31(2) 245-260, 2012
Triricinolein	S		IJT 20 (S4):61-94, 2001;Final report 12/2017 available from CIR
Trisodium EDTA	S		IJT 21(S2):95- 142, 2002
Trisodium Glycyrrhizate	S		IJT 26(S2):79-112, 2007
Trisodium HEDTA	S		IJT 21(S2):95- 142, 2002
Trisodium Phosphate	SQ	safe when formulated to be non-irritating	Final report 09/2016
Tristearin	S		Final report 12/2017 available from CIR
Tristearin	S		IJT 20(S4):61-94, 2001
Tristearyl Citrate	S		IJT 33(Suppl.2):16-46, 2014
Tristearyl Phosphate	SQ	safe for use in cosmetics when formulated to be non-irritating	Final report 09/2014 available from CIR
Triticum Aestivum (Wheat) Germ Oil	S		IJT 36(Suppl. 3):51-129, 2017
Triticum Vulgare (Wheat) Germ Oil	S		IJT 36(Suppl. 3):51-129, 2017; JEPT 4(4):33-45, 1980; re-review IJT 22(S1):1-35, 2003
Triticum Vulgare (Wheat) Germ Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017
Triticum Vulgare (Wheat) Gluten	S		JEPT 4(4):5-17, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Triticum Vulgare (Wheat) Kernel Flour	S		JEPT 4(4):19-32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Triticum Vulgare(Wheat) Starch	S		JEPT 4(4):19-32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003; Final report 09/2015 available from CIR



Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Triundecanoin	S		Final report 12/2017 available from CIR
Triundecanoin	S		IJT 20 (S4):61-94, 2001
Tromethamine	S		Final report 09/2013 available from CIR
Tryptophan	S		IJT 32(S4):41-64, 2013
Tyrosine	S		IJT 32(S4):41-64, 2013
Umbilical Extract	Z	if used, should not deliver any metabolic/ endocrine activity, and they must be free of detectable pathogenic viruses or infectious agents	IJT 21(S1):81-91, 2002
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 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(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 Inulin	S		Final report 09/2015 available from CIR
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
Undecylenoyl Xanthan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Urea	S		IJT 24(S3):1-56, 2005
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
Urocanic Acid	Z		JACT 14(5):386-423, 1995
VA/Butyl Maleate/Isobornyl Acrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
VA/Crotonates Copolymer (formerly Vinyl Acetate/Crotonic Acid Copolymer)	S		JACT 2(5):125-140, 1983 confirmed 06/03 IJT 24 (S1):101-102, 2005
VP/VA Copolymer	S		JACT 2(5):141-59, 1983 confirmed 09/03
Vaccinium Corymbosum (Blueberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Vaccinium Macrocarpon (Cranberry) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Vaccinium Myrtillus Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Vaccinium Vitis-Idaea Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Valine	S		IJT 32(S4):41-64, 2013
Vegetable (Olus) Oil	S		IJT 36(Suppl. 3):51-129, 2017
Vegetable Amino Acids	S		IJT 33(S4):5-12, 2014

Quick Reference Table

Ingredient Name	Finding†	Detail	Citation‡
Vinyl Caprolactam/PVP/ Dimethylaminoethyl Methacrylate Copolymer	SQ	safe for use when formulated to avoid irritation	IJT 21(S3):1-50, 2002
Vinyl Dimethicone	S		IJT 22 (S2):11-35, 2003
Vinyl Dimethicone/Lauryl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Vinyl Dimethicone/Lauryl/Behenyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Vinyldimethyl/Trimethylsiloxysilicate Stearyl Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Vinyldimethyl/Trimethylsiloxysilicate/ Dimethicone Crosspolymer	S		IJT 33 (S2): 65-115, 2014
Vitis Vinifera (Grape)	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Bud Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Flower Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Fruit Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Fruit Powder	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Fruit Water	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Juice	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Juice Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Leaf Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Leaf Oil	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Leaf Water	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Leaf Wax	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Leaf/Seed/skin Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Root Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Seed	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Seed Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Seed Oil	S		IJT 36(Suppl. 3):51-129, 2017
Vitis Vinifera (Grape) Seed Powder	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Shoot Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Skin Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Skin Powder	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Vine Extract	S		IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Vine Sap	S		IJT 33(S3):48-83, 2014
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
Welan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Wheat Amino Acids	S		IJT 33(S4):5-12, 2014
Wheat Germ Acid	S		IJT 36(Suppl. 3):51-129, 2017
Wheat Germ Glycerides	S		JEPT 4(4):5- 17, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
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

Quick Reference Table

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
Whey Protein	S		Final report 09/2017 available from CIR
Wild Yam (Dioscorea Villosa) Root Extract	S		IJT 23(S2):49-54, 2004
Xanthan Gum	S		IJT 35(Suppl. 1):5-49, 2016
Xanthan Gum Crosspolymer	S		IJT 35(Suppl. 1):5-49, 2016
Xanthan Hydroxypropyltrimonium Chloride	S		IJT 35(Suppl. 1):5-49, 2016
Ximenia Americana Seed Oil Polyglyceryl-6 Esters	SQ	safe when formulated to be non-irritating	Final report 09/2016
Xylene Sulfonic Acid	S		IJT 30(S3):270-283, 2011
Xylityl Sesquicaprylate	S		Final report 12/2016 available from CIR
Xylobiose	S		Final report 03/2014 available from CIR
Xyloglucan	S		Final report 09/2015 available from CIR
Xylose	S		Final report 03/2014 available from CIR
Yeast Amino Acids	S		IJT 33(S4):5-12, 2014
Zea Mays (Corn) Cob Meal	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Cob Powder	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Fruit	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Germ Extract	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Germ Oil	S		IJT 36(Suppl. 3):51-129, 2017; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Gluten Protein	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Kernel Extract	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Kernel Meal	S		IJT 36(Suppl. 3):51-129, 2017; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Oil	S		IJT 36(Suppl. 3):51-129, 2017; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Oil Unsaponifiables	S		IJT 36(Suppl. 3):51-129, 2017; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Seed Flour	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Silk Extract	S		IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Starch	S		IJT 30 (S1): 17-39, 2011
Zeolite	S		IJT 22(S1):37- 102, 2003
Zinc Acetate	S		IJT 31(S1):112-136, 2012
Zinc Borosilicate	S		IJT 32(S3): 65-72, 2013
Zinc Citrate	S		IJT 33 (S2): 16-46, 2014
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 Coco-Sulfate	S		IJT 29(S2): 115-132, 2010
Zinc Hydrolyzed Collagen	S		Final report 09/2017 available from CIR
Zinc Lauroyl Aspartate	SQ	safe for use in cosmetics when formulated to be non-irritating	IJT 36(Suppl. 1):17-56, 2017
Zinc Myristate	S		IJT 29(S3):162-186,2010
Zinc Phenolsulfonate	S		JACT 5(5):373-90, 1986 confirmed 06/04 IJT 25(S2), 2006
Zinc Ricinoleate	S		IJT 26(S3): 31-77 2007
Zinc Stearate	S		JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Zirconium Silicate	S		IJT 22(S1):37-102, 2003

†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.