

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
1,2-butanediol	1						not in use at the time*			IJT 31(S2): 147-168, 2012
1,2-hexanediol	1						0.00005 to 10%			IJT 31 (S2): 147-168, 2012
1,4-Butanediol/Succinic Acid/Adipic Acid/HDI Copolymer	1									Final report 06/2016 available from CIR
1-Hydroxyethyl 4,5-Diamino Pyrazole Sulfate	1						safe as an oxidative hair dye			Final report 03/2016 available from CIR
1-Naphthol	1						up to 3% in hair coloring products			JACT 8(4):749-68, 1989 confirmed 12/06
2,4-Diaminophenoxyethanol HCl	1						up to 2%			Final Amended Report 12/07 Available from CIR JACT 10(1):113-34, 1991 (original report)
2,4-Diaminophenoxyethanol Sulfate (amended)	1						up to 2%			Final Amended Report 12/07 Available from CIR JACT 10(1):113-34, 1991 (original report)
2-Amino-3-Hydroxypyridine	1									Final report 09/2014 available from CIR
2-Amino-3-Nitrophenol	1						up to 2% in hair dyes			IJT 28(S3): 217-251, 2009
2-Amino-4-Nitrophenol	1						concentration not reported *			IJT 28(S3): 217-251, 2009
2-Amino-4-Nitrophenol Sulfate	1						not in current use *			IJT 28(S3): 217-251, 2009
2-Amino-5-Nitrophenol	1						not in current use *			IJT 28(S3): 217-251, 2009
2-Chloro-p-Phenylenediamine	1						up to 0.1%			JACT 11(4):521-530, 1992
2-Chloro-p-Phenylenediamine Sulfate	1						up to 1.0%			JACT 11(4):521-530, 1992
2-Methyl-5-Hydroxyethylaminophenol	1						up to 5%			JACT 9(2):185-202, 1990 confirmed 08/06
2-Methyl Resorcinol	1						up to 2%			JACT 5(3):167-203, 1986 confirmed 12/06
2-Nitro-p-Phenylenediamine	1						up to 1%			JACT 4 (3):161-202, 1985 confirmed 11/03 IJT 25(S2), 2006
2-oleamido-1,3-octadecanediol	1						safe as used			Final report 03/2015 available from CIR
3-Methylamino-4-Nitrophenoxyethanol	1						up to 0.15%			IJT 27 (S2): 41-51, 2008

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3-Nitro-p-Hydroxyethylaminophenol	1						up to 10% in hair coloring products (5% after dilution)			IJT 28(S3): 217-251, 2009
4-Amino-2-Hydroxytoluene	1						up to 5%			JACT 8 (4):569-87, 1989 confirmed 04/06
4-Amino-3-Nitrophenol	1						up to 9% in hair dyes			IJT 28(S3): 217-251, 2009
4-Amino-m-Cresol	1						up to 0.7% in oxidative and non-oxidative hair dyes			IJT 23(S2):1-22, 2004
4-Chloro-2-Aminophenol	1			1				Safe use 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
4-Chlororesorcinol	1						1% in hair dyes			JACT 15 (4): 284-94, 1996
4-Hydroxypropylamino-3-Nitrophenol	1						up to 2.6% in hair dyes			IJT 28(S3): 217-251, 2009
4-Nitro-m-Phenylenediamine	1						up to 0.2%			JACT 4 (3):161-202, 1985 confirmed 11/03 IJT 25(S2), 2006
5-Amino-4-Chloro-o-Cresol	1						up to 2% in oxidative and non-oxidative hair dyes			IJT 23(S2):1-22, 2004
5-Amino-6-Chloro-o-Cresol	1						up to 2% in oxidative and non-oxidative hair dyes			IJT 23(S2):1-22, 2004
6-Amino-m-Cresol	1						up to 2.4% in oxidative and non-oxidative hair dyes			IJT 23(S2):1-22, 2004
6-Hydroxyindole	1									IJT 33(S3):24-35, 2014
Acacia Senegal Gum	1						up to 9% for the gum and 0.001% for the extract			IJT 24(S3):75-118, 2005
Acacia Senegal Gum Extract	1						up to 9% for the gum and 0.001% for the extract			IJT 24(S3):75-118, 2005
Acetic Acid	1						0.0003 to 0.3%			IJT 31(S4): 112- 136, 2012
Acetylated Lanolin	1						up to 7%			JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Acetylated Lanolin Alcohol	1						up to 16%			JEPT 4 (4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Acetyl Tributyl Citrate	1						up to 7%			IJT 21 (S2):1-17, 2002
Acetyl Triethyl Citrate	1						up to 7%			IJT 21 (S2):1-17, 2002

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Acetyl Trihexyl Citrate	1						not in current use *			IJT 21(S2):1-17, 2002
Acetyl Trioctyl Citrate	1						not in current use *			IJT 21(S2):1-17, 2002
Acid Violet 43	1									IJT 20(S3):1-6, 2001; Final report 12/2016 available from CIR
Acrylamide/Sodium Acryloyldimethyltaurate/Acrylic Acid Copolymer*	1									Final report 3/2017 available from CIR
Acrylamide/Sodium Acryloyldimethyltaurate Copolymer	1									Final report 3/2017 available from CIR
Acrylates/bis-hydroxypropyl dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Acrylates/dimethiconol acrylate copolymer	1						up to 0.5%			Final report 12/10 available from CIR
Acrylates/Ethylhexyl Acrylate/Styrene Copolymer	1						not in current use*			Final report 09/2014 available from CIR
Acrylates C10/30 Alkyl Acrylate Crosspolymer	1					1	when used as described in assessment, 0.0002-5%		data does not support use when polymerized in benzene	Final report 11/2011 available from CIR
Actinidia Chinensis (Kiwi) Seed Oil	1						up to 0.1%			Final report 03/11 available from CIR
Adansonia Digitata Oil	1						up to 0.01%			Final report 03/11 available from CIR
Adansonia Digitata Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Adipic Acid	1						0.000001% in leave-on; 18% in rinse-off			IJT 31 (S1):5-76, 2012
Adipic acid/1,4 butanediol/terephthalate copolymer	1						not in current use*			IJT 33(S3):36-47, 2014
Agar	1									Final report 09/2015 available from CIR
Agarose	1									Final report 09/2015 available from CIR
Alanine	1						3.0 x 10 ⁻⁷ to 0.1%			IJT 32(S4):41-64, 2013
Alcaligenes polysaccharides	1						0.005 to 0.3%			Final report 09/12 available from CIR
Alcohol Denat. denatured with t-Butyl Alcohol, Denatonium Benzoate, Diethyl Phthalate, or Methyl Alcohol	1						up to 99%			IJT 27 (S1):1-43, 2008
Aleurites Moluccanus Bakoly Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Aleurites Moluccanus Seed Oil	1						0.00001 to 5%			Final report 03/11 available from CIR
Algae Exopolysaccharides	1									Final report 09/2015 available from CIR
Algin	1									Final report 09/2015 available from CIR

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Alginic Acid	1									Final report 09/2015 available from CIR
Alkyl aryl sulfonate hydrotropes	1								safe for use in cosmetics when formulated to be non-irritating	IJT 30(Suppl. 3):270-283, 2011
Allantoin	1						up to 2%			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Ascorbate	1						up to 0.05%			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Biotin	1						not in current use *			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Galacturonic Acid	1						not in current use *			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Glycyrrhetic Acid	1						concentration not reported *			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Panthenol	1						concentration not reported *			IJT 29(Suppl. 2): 84-97, 2010
Allantoin Polygalacturonic Acid	1						concentration not reported *			IJT 29(Suppl. 2): 84-97, 2010
Alumina	1									Final report 12/2013 available from CIR
Alumina Magnesium Metasilicate	1						up to 0.01%			Final Report 09/09 available from CIR
Aluminum Calcium Sodium Silicate	1						up to 6%			Final Report 09/09 available from CIR
Aluminum Citrate	1						concentration not reported *			IJT 33 (S2): 16-46, 2014
Aluminum Dimyristate (amended)	1						up to 3%			IJT 29(S3) :162-186,2010
Aluminum Distearate	1						up to 5%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Aluminum Hydroxide	1									Final report 12/2013 available from CIR
Aluminum Iron Silicates	1						not in current use*			Final Report 09/09 available from CIR
Aluminum Isostearates/Myristates	1						not in current use *			IJT 29(S3) :162-186,2010
Aluminum Myristate	1						up to 1%			IJT 29(S3) :162-186,2010
Aluminum Myristates/Palmitates	1						up to 6%			IJT 29(S3) :162-186,2010
Aluminum Silicate	1						up to 37% in dentifrices; up to 3% in other uses			IJT 22(S1):37-102, 2003
Aluminum Stearate	1						up to 8%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003

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Aluminum Tristearate	1						up to 10%			JACT 1(2):143 -77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Amaranthus Hypochondriacus Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Amino Bispropyl Dimethicone	1						not in current use *			IJT 22(S2):11-35, 2003
Aminoethyl Propanediol	1									Final report 09/2013 available from CIR
Aminomethyl Propanediol (amended)	1						up to 2%			IJT 28 (S2):141-161 2009 JACT 9(2):203-28, 1990 (original report); final report 09/2013 available from CIR
Aminomethyl Propanol (amended)	1						up to 7%			IJT 28 (S2):141-161 2009 JACT 9(2):203-28, 1990 (original report)
Aminopropyl Dimethicone	1						not in current use *			IJT 22(S2):11-35, 2003
Ammonium Acryloyldimethyltaurate/Beheneth-25 Methacrylate Crosspolymer	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/Carboxyethyl Acrylate Crosspolymer	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/Laureth-7 Methacrylate Copolymer*	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/Steareth-25 Methacrylate Crosspolymer	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/Steareth-8 Methacrylate Copolymer	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/Vinyl Formamide Copolymer*	1									Final report 3/2017 available from CIR
Ammonium Acryloyldimethyltaurate/VP Copolymer	1									Final report 3/2017 available from CIR
Ammonium Alginate	1									Final report 09/2015 available from CIR
Ammonium Bisulfite	1						up to 32%			IJT 22(S2):63- 88, 2003
Ammonium Caseinate*	1									Final report 09/2017 available from CIR
Ammonium Cocomonoglyceride Sulfate (amended)	1						not in current use *			IJT 30(S1):5S-16S
Ammonium Coco-Sulfate	1						not in current use *			IJT 29(S2): 115-132, 2010
Ammonium Cumenesulfonate	1						not in current use *			IJT 30(S3):270-283, 2011
Ammonium Glycyrrhizate	1						up to 5%			IJT 26 (S2):79-112, 2007

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Ammonium Hydrolyzed Collagen	1									Final report 09/2017 available from CIR
Ammonium Laureth Sulfate	1							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 Myristyl Sulfate	1						not in current use *			IJT 29(S2): 115-132, 2010
Ammonium Phosphatidyl Rapeseedate*	1						safe as used			Final report 03/2015 available from CIR
Ammonium Polyacryloyldimethyl Taurate	1									Final report 3/2017 available from CIR
Ammonium Stearate	1						up to 10%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Ammonium Sulfite	1						not in current use *			IJT 22 (S2):63-88, 2003
Ammonium Tallate	1						not in current use *			IJT 28(S3):252-258, 2009
Ammonium Xylenesulfonate	1						up to 3%			IJT 30 (S3):270-283, 2011
Amodimethicone	1						up to 3%			IJT 22(S2):11-35, 2003
Amodimethicone Hydroxystearate	1						not in current use *			IJT 22(S2):11-35, 2003
Amyl Acetate	1						up to 10%			JACT 7(6):705-19, 1988
Amyl Benzoate	1						not in current use *			IJT 31 (S3):342-372 (2012)
Amylodextrin	1									Final report 09/2015 available from CIR
Amylopectin	1									Final report 09/2015 available from CIR
Amylose	1									Final report 09/2015 available from CIR
Anacardium Occidentale (Cashew) Seed Oil	1						0.002 to 1%			Final report 03/11 available from CIR
Aphanothece Sacrum Polysaccharide	1									Final report 09/2015 available from CIR
Apricot Kernel Amino Acids	1						not in current use *			IJT 33(S4):5-12, 2014
Arabinoxylan	1									Final report 09/2015 available from CIR
Arachidyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012

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Arctium Lappa Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Argania Spinosa Kernel Oil	1						0.001 to 10%			Final report 03/11 available from CIR
Arginine	1						0.00002 to 18%			IJT 32(S4):41-64, 2013
Arginine HCl	1						0.004 to 0.02%			IJT 32(S4):41-64, 2013
Ascorbyl Dipalmitate	1									IJT 18(S3):1-26, 1999; Final report 06/2017 available from CIR
Ascorbyl Isostearate*	1									Final report 06/2017 available from CIR
Ascorbyl Linoleate	1									Final report 06/2017 available from CIR
Ascorbyl Palmitate	1									IJT 18(S3):1-26, 1999; Final report 06/2017 available from CIR
Ascorbyl Stearate	1									IJT 18(S3):1-26, 1999; Final report 06/2017 available from CIR
Ascorbyl Tetraisopalmitate	1									Final report 06/2017 available from CIR
Ascorbyl tocopheryl acetate	1						not in current use *			Final report 03/2014 available from CIR
Ascorbyl tocopheryl maleate	1									Final report 03/2014 available from CIR
Asparagine	1						concentration not reported			IJT 32(S4):41-64, 2013
Aspartic Acid	1						0.000005 to 1%			IJT 32(S4):41-64, 2013
Astragalus Gummiifer Gum	1									JACT 6(1):1-22, 1987 confirmed 09/04; Final report 09/2015 available from CIR
Astrocaryum Murumuru Seed Butter	1						0.001 to 7%			Final report 03/11 available from CIR
Atelocollagen	1									Final report 09/2017 available from CIR
Attapulgate	1						up to 8%			IJT 22(S1):37-102, 2003
Avena Sativa (Oat) Kernel Oil	1						0.01 to 3%			Final report 03/11 available from CIR
Avena Sativa (Oat) Starch	1									Final report 09/2015 available from CIR

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Avocado Oil	1						0.0001 to 98%	JEPT 4(4):93-103, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Azelaic acid	1						up to 0.3% in leave-on; up to 10% in rinse- off	IJT 31 (S1):5-76, 2012
Babassu Acid	1						not in current use*	Final report 03/11 available from CIR
Basic Blue 99	1						up to 2%	IJT 26(S2):51-63, 2007
Bassia Butyracea Seed Butter	1						not in current use*	Final report 03/11 available from CIR
Bassia Latifolia Seed Butter	1						0.001 to 2%	Final report 03/11 available from CIR
Batyl Alcohol	1						0.03 to 3%	IJT 32 (S3): 5-21, 2013
Beeswax	1						up to 56%	JACT 3(3):1-41, 1984 confirmed 06/03 IJT 24(S1):48-52, 2005
Behenoxy Dimethicone	1							IJT 22(S2):11-35, 2003; Final report 12/2014 available from CIR
Behenoxy PEG-10 Dimethicone*	1							Final report 12/2014 available from CIR
Behenyl Alcohol	1						up to 50%	JACT 7(3):359-413, 1988 confirmed 12/05
Behenyl Benzoate	1						not in current use*	IJT 31 (S3):342-372 (2012)
Behenyl dimethicone/bis-vinyldimethicone crosspolymer	1						0.005 to 10%	IJT 33 (S2): 65-115, 2014
Bentonite	1						12-80% in mud packs; up to 8% for other uses	IJT 22(S1):37-102, 2003
Benzaldehyde	1						up to 0.5%	IJT 25(S1):11- 27
Benzoic Acid	1						0.000002 to 5%	Final amended report 10/11; original IJT 20(S3):23-50, 2001
Benzophenone-1	1						up to 2%	JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-11	1						up to 0.2%	JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-2	1						up to 6%	JACT 2(5):79-84, 1983 confirmed

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										09/02 IJT 24(S1):10-18, 2005
Benzophenone-3	1						up to 7%			JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-4	1						up to 2.5%			JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-5	1						up to 0.3%			JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-6	1						up to 0.3%			JACT 2(5):35-77, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-8	1						up to 0.2%			JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzophenone-9	1						up to 0.4%			JACT 2(5):79-84, 1983 confirmed 09/02 IJT 24(S1):10-18, 2005
Benzyl Alcohol (amended)	1						0.000006 to 10%			amended report 10/11 IJT 20(S3):23-50, 2001 (original report)
Benzyl Benzoate	1						0.000005 to 4%			Final report 10/11 available from CIR
Benzylparaben (amended)	1						up to 0.4% if used alone; parabens mixture up to 0.8%			IJT 27(S4): 1-82, 2008 JACT 5 (5):301-307, 1986 (original report)
Bertholletia Excelsa Seed Oil	1						0.0003 to 0.5%			Final report 03/11 available from CIR
Beta-glucan	1						0.000001 to 0.1%			Final report 09/12 available from CIR
Beta-glucan hydroxypropyltrimonium chloride	1						not in current use*			Final report 09/12 available from CIR
Beta-glucan palmitate	1						not in current use*			Final report 09/12 available from CIR
Beta-sitosterol	1									Final report 12/2013 available from CIR
Beta-sitosteryl acetate	1									Final report 12/2013 available from CIR
BHA	1						up to 0.2%			JACT 3(5):83-146, 1984

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BHT	1						up to 0.5%			IJT 21(S2):19-94, 2002
Biosaccharide gum-1	1						0.002 to 6%			Final report 09/12 available from CIR
Biosaccharide gum-2	1						1%			Final report 09/12 available from CIR
Biosaccharide gum-3	1						not in current use*			Final report 09/12 available from CIR
Biosaccharide gum-4	1						0.00001 to 5%			Final report 09/12 available from CIR
Biosaccharide gum-5	1						not in current use*			Final report 09/12 available from CIR
Biotin	1						up to 1%			IJT 20(S4):1-12, 2001
Bis (tripeptide-1) copper acetate	1						not in current use*			Final report 06/2014 available from CIR
Bisabolol	1						up to 1%			IJT 18(S3):33-40, 1999
Bis-C16-20 Isoalkoxy TMHDI/PEG-90 Copolymer	1									Final report 06/2016 available from CIR
Bis-cetyl/PEG-8 Cetyl PEG-8 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-diglyceryl Polyacyladipate-1	1						0.2 to 10%			IJT 32(S3):56-64, 2013
Bis-diglyceryl Polyacyladipate-2	1						0.1 to 36%			IJT 32(S3):56-64, 2013
Bis-hydroxyethoxypropyl Dimethicone	1									Final report 12/2014 available from CIR
Bis-Hydroxyethyl Acrylate Poly(1,4 Butanediol) 9/TMHDI Copolymer	1									Final report 06/2016 available from CIR
Bis-isobutyl PEG/PPG-10/7/dimethicone Copolymer*	1									Final report 12/2014 available from CIR
Bis-isobutyl PEG-13/dimethicone Copolymer*	1									Final report 12/2014 available from CIR
Bis-isobutyl PEG-24/PPG-7/dimethicone Copolymer*	1									Final report 12/2014 available from CIR
Bis-Isostearyl 1,4-Butanediol/HDI/Hydrogenated Dimer Dilinoleyl Alcohol Copolymer	1									Final report 06/2016 available from CIR
Bis-Lauryl Cocaminopropylamine/HDI/PEG-100 Copolymer	1									Final report 06/2016 available from CIR
Bis-Methoxy PEG-10 Dimethyl MEA/HDI/Bis PEG-10 Dimethicone Copolymer	1									Final report 06/2016 available from CIR
Bis-PEG/PPG-14/14 Dimethicone	1									Final report 12/2014 available from CIR
Bis-PEG/PPG-15/5 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG/PPG-16/16 PEG/PPG-16/16 Dimethicone	1									Final report 12/2014 available from CIR

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Bis-PEG/PPG-18/6 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG/PPG-20/20 Dimethicone	1									Final report 12/2014 available from CIR
Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG-10 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone	1									Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone Beeswax	1									Final report 12/2014 available from CIR
Bis-PEG-12 Dimethicone Candelillate	1									Final report 12/2014 available from CIR
Bis-PEG-15 Methyl Ether Dimethicone	1									Final report 12/2014 available from CIR
Bis-PEG-1 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG-20 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG-4 Dimethicone	1									Final report 12/2014 available from CIR
Bis-PEG-8 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-PEG-8 PEG-8 Dimethicone*	1									Final report 12/2014 available from CIR
Bis-phenylisopropyl phenylisopropyl dimethicone/vinyl dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Bis-stearoxy Dimethicone*	1									Final report 12/2014 available from CIR
Bis-Stearoxydimethylsilane	1									Final report 12/2016 available from CIR
Bis-stearoxyethyl Dimethicone*	1									Final report 12/2014 available from CIR
Bis-vinyldimethicone/bis-isobutyl PPG-20 crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Bis-vinyldimethicone/ PEG-10 dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Bis-vinyldimethicone/PPG-20 crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Bis-vinyldimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Borago Officinalis Seed Oil	1						0.001 to 1%			Final report 03/11 available from CIR
Boron Nitride	1									Final report 06/13 available from CIR
Brassica Campestris (Rapeseed) Sterols	1									Final report 12/2013 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Brassica Campestris (Rapeseed) Oil Unsaponifiables	1						not in current use*			Final report 03/11 available from CIR
Brassica Campestris (Rapeseed) Seed Oil	1						0.007 to 17%			Final report 03/11 available from CIR
Brassica Napus Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Brassica Oleracea Acephala Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Brassica Oleracea Italica (Broccoli) Seed Oil	1						0.001 to 3%			Final report 03/11 available from CIR
Butene/propylene copolymer*	1						safe as used			Final report 06/2015 available from CIR
Butoxyethyl Acetate	1						not in use at the time*			IJT 31(S1):112-136, 2012
Butyl Acetate	1						up to 72%			JACT 8(4):681-705, 1989 confirmed 08/06
Butyl acrylate/styrene copolymer	1									Final report 09/2014 available from CIR
Butyl Benzoate	1						not in use at the time*			IJT 31(S3):342-372 (2012)
Butyl Benzyl Phthalate	1						less than 1%			JACT 11 (1):1-23, 1992; IJT 30(S2):73-127, 2011
Butyldimethicone methacrylate/methyl methacrylate crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Butylene/ethylene/propylene copolymer	1						safe as used			Final report 06/2015 available from CIR
Butylene/ethylene/styrene copolymer	1									Final report 09/2014 available from CIR
Butylene/ethylene copolymer	1						safe as used			Final report 06/2015 available from CIR
Butylene Glycol	1						0.00007 to 89%			JACT 4(5):223 -48, 1985 confirmed 02/04 IJT 25(S2), 2006
Butylene Glycol Cocoate	1						up to 2%			IJT 30 (S1):5S-16S, 2011
Butylene Glycol Dicaprylate/Dicaprate	1									Final report 09/2017 available from CIR
Butylene Glycol Diisononanoate*	1									IJT 30(S3):228-269, 2011; Final report 09/2017 available from CIR
Butyl Ester of PVM/MA Copolymer	1						up to 14%			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Butyloctyl Benzoate	1						not in use at the time*			IJT 31(S3):342-372 (2012)
Butylparaben (amended)	1						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)
Butyl Stearate	1						up to 9%	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
C10-40 Isoalkyl acid phytosterol esters	1									Final report 12/2013 available from CIR
C12-15 Alkyl Benzoate	1						0.0008 to 59%			IJT 31 (3):342-372 (2012)
C14-18 glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
C15-18 glycol	1						concentration not reported*			IJT 31 (S2): 147-168, 2013
C16-17 Alkyl Benzoate	1						not in current use *			IJT 31(3):342-372 (2012)
C18-22 hydroxyalkyl hydroxypropyl guar	1						not in current use*			IJT 34(S1): 35-65, 2015
C18-30 glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2014
C20-30 glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2015
C24-28 Alkyl Methicone	1						not in current use *			IJT 22(S2):11-35, 2003
C30-45 alkyl cetearyl dimethicone crosspolymer	1						0.2 to 4%			IJT 33 (S2): 65-115, 2014
C30-45 Alkyl Dimethicone	1						2%			IJT 22(S2):11-35, 2003
C30-45 alkyl dimethicone/ polycyclohexene oxide crosspolymer	1						concentration not reported *			IJT 33 (S2): 65-115, 2014
C30-45 Alkyl Methicone	1						not in current use *			IJT 22(S2):11-35, 2003
C4-24 alkyl dimethicone/ divinyl dimethicone crosspolymer	1						2%			IJT 33 (S2): 65-115, 2014
C4-6 Olefin/styrene copolymer	1						not in current use*			Final report 09/2014 available from CIR
C5-6 Olefin/styrene copolymer	1						not in current use*			Final report 09/2014 available from CIR
Caesalpinia spinosa gum	1						0.002 to 0.5%			IJT 34(S1): 35-65, 2015
Caesalpinia spinosa hydroxypropyltrimonium chloride	1						not in current use *			IJT 34(S1): 35-65, 2015

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Calcium/Sodium PVM/MA Copolymer (amended)	1						concentration not reported *			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Calcium Acetate	1						concentration not reported *			IJT 31(S1):112-136, 2012
Calcium Alginate	1									Final report 09/2015 available from CIR
Calcium Aluminum Borosilicate	1						0.001 to 33%			IJT 32(S3): 65-72, 2013
Calcium Ascorbate	1						not in current use *			IJT 24(2):51-111, 2005
Calcium Aspartate	1						not in current use *			IJT 32(S4):41-64, 2013
Calcium Benzoate	1						0.002 to 0.004%			Amended final report 09/11 available from CIR
Calcium Carboxymethyl Cellulose	1						not in use at the time*			IJT 5 (3): 1-59, 1986 (original report); Amended safety assessment 03/09 - Available from CIR
Calcium Carrageenan	1									Final report 09/2015 available from CIR
Calcium Caseinate*	1									Final report 09/2017 available from CIR
Calcium citrate	1						not in use at the time*			IJT 33 (S2): 16-46, 2014
Calcium Disodium EDTA	1						not in current use *			IJT 21(S2):95-142, 2002
Calcium Gluconate	1									Final report 03/2014 available from CIR
Calcium Glycinate	1						3%			IJT 32(S4):41-64, 2013
Calcium Hydrolyzed Collagen*	1									Final report 09/2017 available from CIR
Calcium Myristate	1						not in use at the time*			IJT 29(S3) :162-186,2010
Calcium Silicate	1						up to 10%			IJT 22(S1):37-102, 2003
Calcium sodium borosilicate	1						0.0001 to 97%			IJT 32(S3): 65-72, 2013
Calcium Starch Isododecenylsuccinate	1									Final report 09/2015 available from CIR
Calcium Starch Octenylsuccinate	1									Final report 09/2015 available from CIR
Calcium Stearate	1						up to 23%			JACT 1(2):143-77, 1982 confirmed

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										11/01 IJT 22(S1):1-35, 2003
Calcium titanium borosilicate	1						6%			IJT 32(S3): 65-72, 2013
Calcium Xylenesulfonate	1						not in current use *			IJT 30(S3):270-283, 2011
Calendula Officinalis Extract (amended)	1						concentration not reported *			IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower	1						concentration not reported *			IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower Extract (amended)	1						up to 6%			IJT 29 (S4): 221-243, 2010
Calendula Officinalis Flower Oil (amended)	1						up to 0.1%			IJT 29 (S4): 221-243, 2010
Calendula Officinalis Seed Oil	1						concentration not reported *			IJT 20(S2):13-20, 2001 (original report); IJT 29 (S4): 221-243, 2010
Camellia Japonica Seed Oil	1						0.01 to 0.2%			Final report 03/11 available from CIR
Camellia Kissi Seed Oil	1						0.1 - 10%			Final report 03/11 available from CIR
Camellia Oleifera Seed Oil	1						0.003 to 3%			Final report 03/11 available from CIR
Camellia Sinensis Seed Oil	1						0.10%			Final report 03/11 available from CIR
Camellina Sativa Seed Oil	1						0.002 to 1%			Final report 03/11 available from CIR
Canarium Indicum Seed Oil	1						not in current use *			Final report 03/11 available from CIR
Candelilla Wax; now Euphorbia Cerifera (Candelilla) Wax	1						up to 27%			JACT 3(3):1-41, 1984 confirmed 06/03; IJT 24(S1):1-102, 2005
Canola Oil	1						0.0002 to 73%			Final report 03/11 available from CIR
Canola Oil Unsaponifiables	1						0.00%			Final report 03/11 available from CIR
Canola Sterols	1									Final report 12/2013 available from CIR
Caprooyl phytosphingosine	1						safe as used			Final report 03/2015 available from CIR
Caprooyl sphingosine	1						safe as used			Final report 03/2015 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Caproyl sphingosine*	1						safe as used			Final report 03/2015 available from CIR
Caprylic/Capric/Coco Glycerides (amended)	1						up to 4%			IJT 30(S1):5S-16S
Caprylic/Capric Triglyceride	1						up to 84%			JEPT 4(4):105-20, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Caprylyl Glyceryl Ether	1						not in current use *			IJT 32 (S3): 5-21, 2013
Caprylyl Glycol	1						0.00003 to 5%			IJT 31 (S2): 147-168, 2012
Carbomer-910	1						not in current use *			JACT 1(2) 109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-934, -934P, -940, -941	1						up to 2%			JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-934P	1						up to 2%			JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-940	1						up to 2%			JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-941	1						up to 2%			JACT 1(2)109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carbomer-962	1						not in current use *			JACT 1(2) 109-41, 1982 confirmed 11/02 IJT 22(S1):1-35, 2003
Carboxymethyl Dextran	1						not in current use *			Tentative report 06/12 available from CIR
Carboxymethyl Hydroxyethylcellulose	1						up to 3%			Amended safety assessment 03/09 - Available from CIR
Carboxymethyl hydroxypropyl guar	1						not in current use *			IJT 34(S1): 35-65, 2015
Carica Papaya Seed Oil	1						0.10%			Final report 03/11 available from CIR
Carrageenan	1									Final report 09/2015 available from CIR
Carthamus Tinctorius (Safflower) Seed Oil	1						up to 84% in 2004			JACT 4(5):171-97, 1985 confirmed

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										02/04; IJT 25(S2) :1-89,2006; Final report 03/11 available from CIR
Carya Illinoensis (Pecan) Seed Oil	1						not in current use *			Final report 03/11 available from CIR
Caryocar Brasiliense Fruit Oil	1						0.0005 to 0.2%			Final report 03/11 available from CIR
Casein	1									Final report 09/2017 available from CIR
Casein Extract*	1									Final report 09/2017 available from CIR
Cassia Angustifolia Seed Polysaccharide	1									Final report 09/2015 available from CIR
Cassia Gum	1						not in current use *			IJT 34 (S1): 35-65, 2015
Cassia hydroxypropyltrimonium chloride	1						0.06 to 0.4% in rinse-off			IJT 34 (S1): 35-65, 2015
Cellobiose octanonanoate	1						not in current use *			IJT 30(S3):228-269, 2011
Cellulose (amended)	1						up to 88%			Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate (amended)	1									Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate Butyrate (amended)	1						up to 17%			Amended safety assessment 03/09 - Available from CIR
Cellulose Acetate Propionate	1						not in use at the time*			Amended safety assessment 03/09 - Available from CIR
Cellulose Gum (amended)	1						up to 20%			Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
Cellulose Succinate	1						not in use at the time*			Amended safety assessment 03/09 - Available from CIR
Ceramide 1 [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide 1A [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide 2 [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide 3 [retired]	1						safe as used			Final report 03/2015 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ceramide 4* [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide 5 [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide 6 II [retired]	1						safe as used			Final report 03/2015 available from CIR
Ceramide AP	1						safe as used			Final report 03/2015 available from CIR
Ceramide AS	1						safe as used			Final report 03/2015 available from CIR
Ceramide EOP	1						safe as used			Final report 03/2015 available from CIR
Ceramide EOS	1						safe as used			Final report 03/2015 available from CIR
Ceramide NG*	1						safe as used			Final report 03/2015 available from CIR
Ceramide NP	1						safe as used			Final report 03/2015 available from CIR
Ceramide NS	1						safe as used			Final report 03/2015 available from CIR
Ceramide NS dilaurate*	1						safe as used			Final report 03/2015 available from CIR
Ceratonia siliqua gum	1						0.0003 to 0.07%			IJT 34(S1): 35-65, 2015
Ceresin	1						up to 20%			JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Cetearyl Alcohol	1						up to 25%			JACT 7(3):359-413, 1988 confirmed 12/05
Cetearyl dimethicone/vinyl dimethicone crosspolymer	1						0.001 to 0.005%			IJT 33 (S2): 65-115, 2014
Cetearyl dimethicone crosspolymer	1						00.002 to 23%			IJT 33 (S2): 65-115, 2014
Cetearyl Methicone	1						up to 1%			IJT 22(S2):11-35, 2003
Cetyl Acetate	1						0.01 to 17%			IJT 31(S1):112-136, 2012
Cetyl Alcohol	1						up to 50%			JACT 7(3):359-413, 1988 confirmed 12/05
Cetyl Dimethicone	1						up to 10%			IJT 22(S2):11-35, 2003
Cetyl dimethicone/bis-vinyldimethicone crosspolymer	1						0.001 to 0.005%			IJT 33 (S2): 65-115, 2014
Cetyl Glyceryl Ether/ Chimyl Alcohol	1									IJT 32 (S3): 5-21, 2013

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Cetyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
Cetyl hexacosyl dimethicone/bis-vinyldimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Cetyl Hydroxyethylcellulose (amended)	1						up to 2%			Amended safety assessment 03/09 - Available from CIR
Cetyl PEG/PPG-10/1 Dimethicone	1									Final report 12/2014 available from CIR
Cetyl PEG/PPG-15/15 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
Cetyl PEG/PPG-7/3 Dimethicone*	1									Final report 12/2014 available from CIR
Cetyl PEG-8 Dimethicone*	1									Final report 12/2014 available from CIR
Chenopodium Quinoa Seed Oil	1						0.30%			Final report 03/11 available from CIR
Chloroxylenol	1						up to 0.5%			JACT 4(5):147-69, 1985 confirmed 02/04 IJT 25(S2), 2006
Chlorphenesin	1						0.000008 to 0.32%			IJT 33 (2): 5-15, 2014
Cholesterol	1						up to 3%			JACT 5(5):491-516, 1986 confirmed 12/04 IJT 25(S2), 2006
Cholesterol/HDI/Pullulan Copolymer	1									Final report 06/2016 available from CIR
Cholesteryl Nonanoate	1						up to 30%			IJT 30 (S3):228-269, 2011
Choleth-24	1						up to 1.3%			JACT 1(4):119-26, 1982 confirmed 06/02 IJT 24(S1):32-34, 2005
Cichorium Intybus (Chicory) Root Oligosaccharides	1									Final report 09/2015 available from CIR
Citric acid	1						0.0000005 to 39%			IJT 33 (S2): 16 -46, 2014
Citrullus Lanatus (Watermelon) Seed Oil	1						2%			Final report 03/11 available from CIR
Citrus Aurantifolia (Lime) Seed Oil Unsaponifiables	1						not in current use*			Final report 03/11 available from CIR
Citrus Aurantium Dulcis (Orange) Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Citrus Aurantium Dulcis (Orange) Seed Oil Unsaponifiables	1						not in current use*			Final report 03/11 available from CIR
Citrus Grandis (Grapefruit) Seed Oil	1						not in current use*			Final report 03/11 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Citrus Grandis (Grapefruit) Seed Oil Unsaponifiables	1						not in current use*			Final report 03/11 available from CIR
Citrus Limon (Lemon) Seed Oil	1						6%			Final report 03/11 available from CIR
Citrus Paradisi (Grapefruit) Seed Oil	1						0.01 to 20%			Final report 03/11 available from CIR
Cocoamphoacetate	1						up to 6%			JACT 9(2):121-42, 1990 confirmed 04/06
Cocoamphodiacetate	1						up to 12%			JACT 9(2):121-42, 1990 confirmed 04/06
Cocoamphodipropionate	1						up to 15%			JACT 9 (2):121-42, 1990 confirmed 04/06
Cocoamphopropionate	1						up to 10%			JACT 9(2):121-42, 1990 confirmed 04/06
Cocoglycerides (amended)	1						up to 14%			IJT 30 (S1):5S-16S
Coconut Acid (amended)	1						up to 14% in 2011			JACT 5(3):103-21, 1986 (original report); IJT 30 (s1): 5s-16s, 2011; also included in the Plant Derived Fatty Acid Oils report 03/11
Coconut Alcohol (amended)	1						up to 0.9%			IJT 30 (S1):5S-16S, 2011
Coconut Oil Decyl Esters (amended)	1						not in current use1			IJT 30(S1):5S-16S, 2011
Cocos Nucifera (Coconut) Oil (amended)	1						up to 80% in 2011			JACT 5(3):103-21, 1986 (original report); IJT 30 (s1): 5s-16s, 2011; also included in the Plant Derived Fatty Acid Oils report 03/11
Cocos Nucifera (Coconut) Seed Butter	1						not in current use*			Final report 03/11 available from CIR
Coix Lacryma-Jobi (Job's Tears) Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Collagen	1									Final report 09/2017 available from CIR
Collagen Amino Acids	1									IJT 33(S4):5-12, 2014
Collodion	1									Final report 06/13 available from CIR
Copernicia Cerifera (Carnauba) Wax	1						up to 20%			JACT 3(3):1-41, 1984 confirmed

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										06/03 IJT 24(S1):48-52, 2005
Copper citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Copper tripeptide-1	1									Final report 06/2014 available from CIR
Corn Acid	1						not in current use*			IJT 30(S1):17- 39, 2011; final report 03/11 available from CIR
Corn Gluten Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Corn Glycerides	1						not in current use*			Final Report 09/08 available from CIR
Corn Starch Modified	1									Final report 09/2015 available from CIR
Corylus Americana (Hazelnut) Seed Oil	1									IJT 20(S1):15-20, 2001; Final report 03/11 available from CIR
Corylus Avellana (Hazelnut) Seed Oil	1						0.005 to 98%			IJT 20(S1):15-20, 2001; Final report 03/11 available from CIR
Cottonseed Acid	1						not in current use*			IJT 20 (S2):21-29, 2001; Final amended report 03/11 available from CIR
Crambe Abyssinica Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Crotonic acid/vinyl C8-12 isoalkyl esters/VA/bis-vinyldimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Cucumis Sativus (Cucumber) Extract	1						0.0002 to 0.003%			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit	1						concentration not reported*			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit Extract	1						0.0000001 to 1%			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Fruit Water	1						0.05 to 3%			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Juice	1						concentration not reported*			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Seed Extract	1						0.01 to 0.08%			IJT 33 (2): 47-64, 2014
Cucumis Sativus (Cucumber) Seed Oil	1						concentration not reported*			Final report 03/2011 available from CIR
Cucurbita Pepo (Pumpkin) Seed Oil	1						0.003 to 0.1%			Final report 03/2011 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Cyamopsis tetragonoloba (guar) gum	1						0.02 to 1% in leave-on; 0.09 to 5% in rinse-off			IJT 34 (S1): 35-65, 2015
Cyclodextrin	1									Final report 09/2015 available from CIR
Cyclodextrin Hydroxypropyltrimonium Chloride	1									Final report 09/2015 available from CIR
Cyclodextrin Laurate	1									Final report 09/2015 available from CIR
Cycloheptasiloxane (amended)	1						not reported *			IJT 30(S3):149-227, 2011
Cyclohexasiloxane(amended)	1						up to 48%			IJT 30 (S3):149-227, 2011
Cyclomethicone (amended)	1						up to 89%			JACT 10 (1):9-19, 1991 (original report); IJT 30(S3):149-227, 2011
Cyclopentasiloxane (amended)	1						up to 93%			IJT 30(S3):149-227, 2011
Cyclotetraglucose	1									Final report 09/2015 available from CIR
Cyclotetrasiloxane (amended)	1						up to 28%			IJT 30(S3):149-227, 2011
Cynara Cardunculus Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Cysteine	1						0.0001 to 5%			IJT 32(S4):41-64, 2013
Cysteine HCl	1						0.0001 to 6%			IJT 32(S4):41-64, 2013
Cystine	1						0.001 to 3%			IJT 32(S4):41-64, 2013
Decene/butene copolymer	1						safe as used			Final report 06/2015 available from CIR
Decylene Glycol	1						concentration not reported*			IJT 31 (S2): 147-168, 2012
Decyl HDI/PEG-180 Crosspolymer	1									Final report 06/2016 available from CIR
Decyl Olivatate	1							safe for use in cosmetics when formulated to be non- irritating		Final report 03/2013 available from CIR
Decyl Palmitate	1							safe for use in cosmetics when formulated to be non-irritating		Final report 03/2013 available from CIR
Decyl succinate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dehydroacetic Acid	1						up to 0.7%			JACT 4(3):123- 59, 1985 confirmed 11/03 IJT 25(S2), 2006
Dehydroxanthan gum	1						0.1 to 1%			Final report 09/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Denatonium Benzoate	1						1/16 avoidupois ounce per 100 gal alcohol			IJT 27 (S1):1-43, 2008
Dextran	1						0.000005 to 0.2%			Final report 09/12 available from CIR
Dextran hydroxypropyltrimonium chloride	1						not in current use *			Final report 09/12 available from CIR
Dextran sulfate	1						0.01 to 0.1%			Final report 09/12 available from CIR
Dextrin	1									Final report 09/2015 available from CIR
Dextrin Behenate	1									Final report 09/2015 available from CIR
Dextrin Isostearate	1									Final report 09/2015 available from CIR
Dextrin Laurate	1									Final report 09/2015 available from CIR
Dextrin Myristate	1									Final report 09/2015 available from CIR
Dextrin Palmitate	1									Final report 09/2015 available from CIR
Dextrin Palmitate/Ethylhexanoate	1									Final report 09/2015 available from CIR
Dextrin Stearate	1									Final report 09/2015 available from CIR
Diammonium citrate	1						concentration not reported*			IJT 33 (S2): 16-46, 2014
Diammonium EDTA	1						not in current use *			IJT 21 (S2):95-142, 2002
Dibehenyl Fumarate	1						not in current use *			Final report 03/09 - Available from CIR
Dibutyl Adipate (Amended)	1						concentration not reported in 2010; 5 to 8% in 1996			IJT 25(S1):129-134, 2006 JACT 15(4):295-300, 1996 (original Report); Final report 12/10 available from CIR
Dibutyloletyl malate	1						not in current use*			IJT 34(S1): 5-17, 2015
Dibutyloletyl sebacate	1						not in current use*			IJT 31(S1):5-76, 2012
Dibutyl Phthalate	1						up to 15%			JACT 4(3):267-303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Dibutyl sebacate	1						not in current use*			Final report 12/10 available from CIR
Di-C12-13 Alkyl Malate	1						1.0 to 36%			IJT 34(S1): 5-17, 2015

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Di-C12 - 15 Alkyl Adipate	1						not in current use*			IJT 31(S1):5-76, 2012
Di-C12 - 15 Alkyl Fumarate	1						up to 5%			Safety Assessment 03/09 - Available from CIR
Dicapryl/capryl sebacate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dicapryl adipate	1						concentration not reported*			IJT 31 (S1):5-76, 2012
Dicapryl succinate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dicetearyl Dimer Dilinoleate	1						up to 7%			IJT 22 (S2):45-61, 2003
Dicetearyl succinate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dicetyl adipate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Diethyl adipate	1						not in current use*			IJT 31(S1):5-76, 2012
Diethylene Glycol/DMAP Acrylamide/ PEG 180/HDI Copolymer	1									Final report 06/2016 available from CIR
Diethylene glycol diethyl-hexanoate/diisononanoate	1						up to 19%			IJT 30(S3):228-269, 2011
Diethylene Glycol Diisononanoate	1						not in current use*			IJT 30(S3):228-269, 2011
Diethylhexyl Adipate	1						0.6 to 14%			JACT 3 (3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005; Final report 12/10 available from CIR
Diethylhexyl Dimer Dilinoleate	1						1			IJT 22 (S2):45-61, 2003
Diethylhexyl Fumarate	1						not in current use *			Final report 03/09 - Available from CIR
Diethylhexyl Malate	1						0.4 to 2%			IJT 34(S1): 5-17, 2015
Diethylhexyl sebacate	1						not in current use*			Final report 12/10 available from CIR
Diethylhexyl Sodium Sulfosuccinate	1						5%			IJT (S4):1-20, 1998; Final report 09/2013 available from CIR
Diethylhexyl succinate	1						0.02 to 6%			IJT 31 (S1):5-76, 2012
Diethyl malonate	1						0.004 to 0.02%			IJT 31 (S1):5-76, 2012
Diethylpentanediol Dineopentanoate	1									Final report 09/2017 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Diethyl Phthalate	1						up to 2%			JACT 4(3):267-303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Diethyl sebacate	1						1.50%			IJT 31(S1):5-76, 2012
Diethyl succinate	1						not in current use*			IJT 31 (S1):5-76, 2012
Diheptylundecyl adipate	1						6%			Final report 12/10 available from CIR
Dihexyl adipate	1						3%			Final report 12/10 available from CIR
Dihexyldecyl adipate	1						not in use at the time*			Final report 12/10 available from CIR
Dihexyldecyl sebacate	1						0.5 to 5%			Final report 12/10 available from CIR
Dihydrogenated tallow benzylmonium hectorite	1						not in use at the time*			IJT 32(S4):33-40, 2013
Dihydrophytosteryl octyldecanoate	1						not in current use*			Final report 12/2013 available from CIR
Diisoamyl Malate	1						not in current use*			IJT 34(S1): 5-17, 2015
Diisobutyl adipate	1						0.001 to 3%			Final report 12/10 available from CIR
Diisobutyl glutarate	1						not in use at the time*			Final report 12/10 available from CIR
Diisobutyl succinate	1						not in use at the time*			Final report 12/10 available from CIR
Diisocetyl adipate	1						not in use at the time*			Final report 12/10 available from CIR
Diisocetyl dodecanedioate	1						0.9 to 7%			IJT 31 (S1):5-76, 2012
Diisodecyl adipate	1						concentration not reported*			Final report 12/10 available from CIR
Diisononyl adipate	1						not in use at the time*			Final report 12/10 available from CIR
Diisooctyl adipate	1						not in use at the time*			Final report 12/10 available from CIR
Diisooctyl sebacate	1						1 to 3%			Final report 12/10 available from CIR
Diisopropyl Adipate	1						0.005 to 8%			JACT 3 (3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005; Final report 12/10 available from CIR
Diisopropyl Dimer Dilinoleate	1						up to 53%			IJT 22(S2):45-61, 2003

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Diisopropyl sebacate	1						0.06 to 10%			IJT 31 (S1):5-76, 2012
Diisostearyl adipate	1						3 to 10%			Final report 12/10 available from CIR
Diisostearyl Dimer Dilinoleate	1						up to 12%			IJT 22(S2):45-61, 2003
Diisostearyl Fumarate	1						up to 20%			Final report 03/09 - Available from CIR
Diisostearyl Glutarate	1						not in current use*			Final report 12/10 available from CIR
Diisostearyl malate	1						0.001 to 82%			IJT 34(S1): 5-17, 2015
Diisostearyl sebacate	1						0.005 to 0.7%			IJT 31 (S1):5-76, 2012
Dilauryl citrate	1						concentration not reported*			IJT 33 (S2): 16-46, 2014
Dimethicone	1						up to 80% in hair preparations; up to 24% in makeup			IJT 22(S2):11-35, 2003
Dimethicone/bis-isobutyl PPG-20 crosspolymer	1						concentration not reported*			IJT 33 (S2): 65-115, 2014
Dimethicone/bis-vinyldimethicone/silsesquioxane crosspolymer	1						0.5 to 5%			IJT 33 (S2): 65-115, 2014
Dimethicone/divinyldimethicone/silsesquioxane crosspolymer	1						0.5 to 5%			IJT 33 (S2): 65-115, 2014
Dimethicone/lauryl dimethicone/bis-vinyldimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-10/15 crosspolymer	1						0.03 to 3%			IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-10 crosspolymer	1						0.50%			IJT 33 (S2): 65-115, 2014
Dimethicone/PEG-15 crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Dimethicone/phenyl vinyl dimethicone crosspolymer	1						0.8 to 2%			IJT 33 (S2): 65-115, 2014
Dimethicone/PPG-20 crosspolymer	1						0.20%			IJT 33 (S2): 65-115, 2014
Dimethicone/titanate crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Dimethicone/vinyl dimethicone crosspolymer	1						0.003 to 46%			IJT 33 (S2): 65-115, 2014
Dimethicone/vinyltrimethylsiloxysilicate crosspolymer	1						0.04 to 6%			IJT 33 (S2): 65-115, 2014
Dimethicone Copolyol	1						up to 1%			JACT 1(4):33- 54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Dimethicone crosspolymer	1						0.007 to 25%			IJT 33 (S2): 65-115, 2014
Dimethicone crosspolymer-3	1						0.2 to 2%			IJT 33 (S2): 65-115, 2014
Dimethicone PEG-10 Phosphate	1						concentration not reported*			JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG-6 Acetate	1						concentration not reported*			JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2006
Dimethicone PEG-7 Phosphate	1						up to 0.5%			JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethicone PEG-8 Adipate	1						concentration not reported*			JACT 1(4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2007
Dimethicone PEG-8 Benzoate	1						up to 0.5%			JACT 1 (4):33-54, 1982 4 confirmed 02/03 IJT 24(S1):42-44, 2005
Dimethiconol	1						0.004 to 36%			IJT 33 (S2): 65- 115, 2014
Dimethiconol/methylsilanol/silicate crosspolymer	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol/silica crosspolymer	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol/silsesquioxane copolymer	1						0.30%			Final report 12/10 available from CIR
Dimethiconol/stearyl methicone/phenyl trimethicone copolymer	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol arginine	1						concentration not reported*			Final report 12/10 available from CIR
Dimethiconol beeswax	1						0.8 to 0.9%			Final report 12/10 available from CIR
Dimethiconol behenate	1						0.50%			Final report 12/10 available from CIR
Dimethiconol borageate	1						0.50%			Final report 12/10 available from CIR
Dimethiconol candelillate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol carnaubate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol cysteine	1						0.07%			Final report 12/10 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Dimethiconol dhupa butterate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol hydroxystearate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol illipe butterate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol isostearate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol kokum butterate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol lactate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol meadowfoamate	1						0.5 to 1%			Final report 12/10 available from CIR
Dimethiconol methionine	1						concentration not reported*			Final report 12/10 available from CIR
Dimethiconol mohwa butterate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol panthenol	1						0.07%			Final report 12/10 available from CIR
Dimethiconol sal butterate	1						not in use at the time*			Final report 12/10 available from CIR
Dimethiconol stearate	1						1%			Final report 12/10 available from CIR
Dimethoxysilyl Ethylenediaminopropyl Dimethicone	1						not in current use1 *			IJT 22(S2):11-35, 2003
Dimethylacrylamide/Sodium Acryloyldimethyltaurate Crosspolymer	1									Final report 3/2017 available from CIR
Dimethyl adipate	1						0.20%			Final report 12/10 available from CIR
Dimethyl Behenamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Cocamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl glutarate	1						0.5 to 15%			Final report 12/10 available from CIR
Dimethyl Hydrogenated Tallowamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Lauramine	1						not in current use *			Amended Final Report 12-09 -

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Myristamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Palmitamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Phthalate	1						up to 2%			JACT 4(3):267-303, 1985 confirmed 11/02 IJT 24(S1):34-42, 2005 reconfirmed 09/05
Dimethyl Soyamine (amended)	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Dimethyl Stearamine (amended)	1						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	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dimethyl Tallowamine	1						not in current use *			Amended Final Report 12-09 - available from CIR JACT 14(3):193-95, 1995 (original report)
Diocetadecanyl Didecyltetradecanoate*	1									Final report 09/2017 available from CIR
Diocetadecanyl Ditetradecyloctadecanoate*	1									Final report 09/2017 available from CIR
Diocetyl Adipate	1						up to 38%			JACT 3(3):101-30, 1984 confirmed 06/03 IJT 24(S1):44-47, 2005
Diocetyl Dimer Dilinoleate	1						up to 12%			IJT 22 (S2):45-61, 2003
Diocetyldeceyl Adipate	1						concentration not reported*			Final report 12/10 available from CIR
Diocetyldeceyl Dimer Dilinoleate	1						up to 10%			IJT 22(S2):45-61, 2003

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Diocetyldecyl Dodecanedioate	1						not in use at the time*			Final report 12/10 available from CIR
Diocetyldecyl Sebacate	1						3 to 8%			Final report 12/10 available from CIR
Diocetyldodecyl malate	1						not in current use*			IJT 34(S1): 5-17, 2015
Diocetyl Sodium Sulfosuccinate	1						5%			IJT 17 (S4):1-20, 1998
Diolelyl Tocopheryl Methylsilanol	1						6%			IJT 21 (S3):51-116, 2002; Final report 03/2014 available from CIR
Dioscorea Villosa (Wild Yam) Root Extract	1						up to 15% of max. 2% plant solids			IJT 23(S2):49-54, 2004
Dipentaerythrityl pentaiononanoate	1						up to 13%			IJT 30(S3):228-269, 2011
Diphenyl dimethicone /vinyl diphenyl dimethicone/ silsesquioxane crosspolymer	1						0.1 to 7%			Final report 09/12 available from CIR
Diphenyl dimethicone crosspolymer	1						not in current use*			Final report 09/12 available from CIR
Dipotassium Aspartate	1						not in current use*			IJT 32(S4):41-64, 2013
Dipotassium Azelate	1						not in use at the time*			IJT 31 (S1):5-76, 2012
Dipotassium EDTA	1						less than 0.1%			IJT 21 (S2):95-142, 2002
Dipotassium Glycyrrhizate	1						up to 1%			IJT 26 (S2):79-112, 2007
Dipropyl adipate	1						not in current use *			Final report 12/10 available from CIR
Dipropylene Glycol	1						up to 50%			JACT 4(5):223-48, 1985 confirmed 02/04 IJT 25(S2), 2006
Disodium azelate	1						not in current use *			IJT 31 (S1):5-76, 2012
Disodium Cocoamphodiacetate	1						0.0006 to 12%			JACT 9(2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Disodium Cocoamphodipropionate	1						0.008 to 15%			JACT 9(2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Disodium cupric citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Disodium Deceth Sulfate	1						not in current use *			IJT 29(S3) :151-161,2010

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Disodium EDTA	1						less than 1%			IJT 21(S2):95-142, 2002
Disodium Fumarate	1						not in current use *			Final report 03/09 - Available from CIR
Disodium Glycyrrhizate	1						not in current use *			IJT 26(S2):79-112, 2007
Disodium Lauriminodipropionate	1						not in current use *			IJT 32 (S3):49-55, 2013
Disodium sebacate	1						not in current use *			IJT 31 (S1):5-76, 2012
Disodium Succinate	1						0.0005 to 0.4%			IJT 31 (S1):5-76, 2012
Disodium Succinoyl Glycyrrhetinate	1						not reported *			IJT 26(S2):79-112, 2007
Disperse Black 9	1						up to 0.5%			JACT 5(3):205-23, 1986 confirmed 12/06
Disperse Violet 1	1						up to 1%			JACT 10(1):103-11, 1991
Disteardimonium hectorite	1						0.04 to 28%			IJT 32 (S4):33-40, 2013
Distearyl citrate	1						not in current use *			IJT 33 (S2): 16-46, 2014
Ditridecyl Adipate	1						not in current use *			Final report 12/10 available from CIR
Ditridecyl Dimer Dilinoleate	1						not in current use *			IJT 22(S2):45-61, 2003
Divinyldimethicone/dimethicone crosspolymer	1						0.007 to 0.7%			Final report 09/12 available from CIR
DMDM Hydantoin	1						up to 1%			JACT 7(3):245-77, 1988 confirmed 09/05
Dmethicone/polyglycerin-3 crosspolymer	1						concentration not reported*			IJT 33 (S2): 65-115, 2014
Dodecanedioic acid	1						not in current use *			IJT 31 (S1):5-76, 2012
Drometrizole	1						0.07%			IJT 27(S2): 63-75, 2008 JACT 5(5):455-70, 1986 (original report)
EDTA	1						up to 2%			IJT 21(S2):95-142, 2002
Elaeis (Palm) Fruit Oil	1						not in current use*			Final report 03/11 available from CIR
Elaeis Guineensis (Palm) Butter	1						not in current use*			Final report 03/11 available from CIR
Elaeis Guineensis (Palm) Kernel Oil	1						0.05 to 23%			Final amended report 03/11 available from CIR; IJT 19

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										(S2):7-28, 2000 (original)
Elaeis Guineensis (Palm) Oil	1						up to 2%			Final amended report 03/11 available from CIR; IJT 19 (S2):7-28, 2000 (original)
Elaeis Oleifera Kernel Oil	1									Final report 03/11 available from CIR
Elastin	1									Final report 09/2017 available from CIR
Elastin Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Emulsifying Wax N.F.	1						up to 21%			JACT 3(3):43- 99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Erythorbic Acid	1						up to 1%			IJT 18(S3):1-26, 1999
Ethoxydiglycol	1						up to 80%			JACT 4(5):223-48, 1985 confirmed 02/04 IJT 25(S2), 2006
Ethyl Acetate	1						greater than 50%			JACT 8(4):681-705, 1989 confirmed 08/06
Ethyl Benzoate	1						0.0008 to 0.01%			IJT 31(3):342 -372 (2012)
Ethylcellulose (amended)	1						up to 4%			Amended safety assessment 03/09
Ethyl citrates	1						0.5 to 1% in rinse-off			IJT 33 (S2): 16-46, 2014
Ethylene/octene copolymer*	1						safe as used			Final report 06/2015 available from CIR
Ethylene/propylene/styrene copolymer	1									Final report 09/2014 available from CIR
Ethylene/propylene copolymer	1						safe as used			Final report 06/2015 available from CIR
Ethyl Ester of PVM/MA Copolymer (amended)	1						up to 30%			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Ethyl Hexanediol	1						5% in 1984, but not in current use *			JACT 13(6):418-36, 1994 confirmed 09/09
Ethylhexyl Benzoate	1						3 to 4%			IJT 31(3):342-372 (2012)

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Ethylhexylglycerin	1									IJT 32 (S3): 5-21, 2013
Ethyl Myristate	1						not in use at the time*			IJT 29(S3) :162-186,2010
Ethylparaben (amended)	1						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)
Ethyl Ricinoleate	1						not in current use *			IJT 26(S3): 31-77 2007
Euterpe Oleracea Fruit Oil	1						0.00001 to 0.5%			Final report 03/11 available from CIR
Euterpe Oleracea sterols	1									Final report 12/2013 available from CIR
Ferric citrate	1						0.5% in rinse-off; concentration not reported for leave- on			IJT 33 (S2): 16-46, 2014
Ferrous Fumarate	1						up to 0.0003%			Final report 03/09 - Available from CIR
Fibroin	1									Final report 12/2015 available from CIR
Fibronectin	1									Final report 09/2017 available from CIR
Formaldehyde	1	1			1			safe for use in cosmetics when formulated to ensure use at the minimal effective concentration, but in no case should the formalin concentration exceed 0.2% (w/w), which would be 0.074% (w/w) calculated as formaldehyde or 0.118% (w/w) calculated as methylene glycol. Additionally, formaldehyde and methylene glycol are safe in the present practices of use and concentration in nail-hardening products. 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
Fragaria Anannassa (Strawberry) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR

Quick Reference Table

Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Fragaria Chiloensis (Strawberry) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Fragaria Vesca (Strawberry) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Fragaria Virginiana (Strawberry) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Fructose	1									Final report 03/2014 available from CIR
Fucose	1						not in current use*			Final report 03/2014 available from CIR
Fullers Earth	1						up to 50%			IJT 22(S1):37-102, 2003
Fumaric Acid	1						up to 5%			Final report 03/09 - Available from CIR
Galactoarabinan	1									Final report 09/2015 available from CIR
Galactose	1						not in current use*			Final report 03/2014 available from CIR
Galactosyl Fructose	1						not in current use*			Final report 03/2014 available from CIR
Galacturonic Acid	1						not in current use*			Final report 03/2014 available from CIR
Garcinia Indica Seed Butter	1						0.1 to 2%			Final report 03/2011 available from CIR
Garcinia mangostana amino acids	1						not in current use*			IJT 33(S4):5-12, 2014
Gelatin	1									Final report 09/2017 available from CIR
Gellan Gum	1						0.0004 to 0.5%			Final report 09/12 available from CIR
Gevuina Avellana Oil	1						0.002 to 0.2%			Final report -3/11 available from CIR
Gevuina Avellana Seed Oil	1						0.1 to 2%			Final report -3/11 available from CIR
Ghatti Gum	1									Final report 09/2015 available from CIR
Glucomannan	1									Final report 09/2015 available from CIR
Gluconic Acid	1									Final report 03/2014 available from CIR
Glucose	1									Final report 03/2014 available from CIR
Glucose Pentaacetate*	1									Final report 12/2016 available from CIR
Glutamic Acid	1						0.000004 to 2%			IJT 32(S4):41-64, 2013
Glutamine	1						0.002 to 0.005%			IJT 32(S4):41-64, 2013

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Glutaric acid	1						not in current use *			IJT 31 (S1):5-76, 2012
Glycerin	1									Final report 12/2014 available from CIR
Glyceryl/Sorbitol Oleate/Hydroxystearate	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Acetate	1									Final report 12/2015 available from CIR
Glyceryl Adipate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Alginate	1									IJT 23 (S2):55-94,2004; Final report 09/2015 available from CIR
Glyceryl Allyl Ether	1						not in current use*			IJT 32 (S3): 5-21, 2013
Glyceryl Arachidate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Behenate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Caprate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Caprylate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Caprylate/Caprate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Capryl Ether	1						not in current use*			IJT 32 (S3): 5-21, 2013
Glyceryl Citrate/Lactate/Linoleate/Oleate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Cocoate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Glyceryl Cocoate/Citrate/Lactate	1									Final report 12/2015 available from CIR
Glyceryl Collagenate	1						not in current use *			IJT 23 (S2):55-94,2004
Glyceryl Dimaltodextrin	1									Final report 09/2015 available from CIR
Glyceryl Erucate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Ethylhexanoate	1									Final report 12/2015 available from CIR
Glyceryl Ethylhexanoate/Stearate/Adipate	1									Final report 12/2015 available from CIR
Glyceryl Glycyrretinate	1						not in current use *			IJT 26(S2):79-112, 2007
Glyceryl Heptanoate	1									Final report 12/2015 available from CIR
Glyceryl Hydrogenated Rapeseedate	1									Final report 12/2015 available from CIR
Glyceryl Hydrogenated Rosinate	1									IJT 23 (S2):55-94,2004; Final report 12/2015 available from CIR
Glyceryl Hydrogenated Soyate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Hydroxystearate	1									IJT 23 (S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Isopalmitate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Isostearate	1									IJT 23(S2):55- 94, 2004; Final report 12/2015 available from CIR
Glyceryl Isostearate/Myristate	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Isostearates	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Isotridecanoate/Stearate/Adipate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Glyceryl Lanolate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate/Oleate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Laurate SE	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Lauryl Ether	1									IJT 32 (S3): 5-21, 2013
Glyceryl Linoleate	1									IJT 23(S2):55- 94, 2004; Final report 12/2015 available from CIR
Glyceryl Linolenate	1									IJT 23(S2):55- 94, 2004; Final report 12/2015 available from CIR
Glyceryl Montanate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Myristate	1						up to 6%			IJT 23(S2):55-94, 2004
Glyceryl Oleate	1									JACT 5(5):391- 413; Final report 12/2015 available from CIR
Glyceryl Oleate/Elaidate	1									IJT 23 (S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Oleate SE	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Oliviate	1									Final report 12/2015 available from CIR
Glyceryl Palmitate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Glyceryl Palmitate/Stearate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Palmitoleate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Pentadecanoate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Polyacrylate	1						up to 2%			IJT 23(S2):55-94, 2004
Glyceryl Ricinoleate	1									IJT 26(S3) 2007; JACT 7(6):721-39, 1988 (original report); Final report 12/2015 available from CIR
Glyceryl Ricinoleate SE	1									IJT 26(S3) 2007; Final report 12/2015 available from CIR
Glyceryl Rosinate	1									IJT 23(S2):55-94, 2004; Final report 12/2015 available from CIR
Glyceryl Sesquioleate	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Starch	1									Final report 09/2015 available from CIR
Glyceryl Stearate	1									JACT 1(4):169-92, 1982; Final report 12/2015 available from CIR
Glyceryl Stearate/Acetate	1						up to 7%			IJT 23 (S2):55-94, 2004
Glyceryl Stearate/Malate	1									Final report 12/2015 available from CIR
Glyceryl Stearate/Maleate	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Stearate Diacetate	1						not in current use *			IJT 20(S4):61-94, 2001
Glyceryl Stearate SE	1									JACT 1(4):169-92, 1982; Final report 12/2015 available from CIR
Glyceryl Tallowate	1									IJT 23(S2):55-94, 2004; Final report

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										12/2015 available from CIR
Glyceryl Thiopropionate	1						not in current use *			IJT 23(S2):55-94, 2004
Glyceryl Triacetyl Hydroxystearate	1						9%			IJT 20 (S4):61-94, 2001
Glyceryl Triacetyl Ricinoleate	1						8%			IJT 20 (S4):61-94, 2001
Glyceryl Undecylenate	1									IJT 23 (S2):55-94, 2004; Final report 12/2015 available from CIR
Glycine	1						0.0005 to 4%			IJT 32(S4):41-64, 2013
Glycine max (soybean) polypeptide	1									Final report 09/2015 available from CIR
Glycine Soja (Soybean) Oil	1						.0002 to 95%			Final report 03/11 available from CIR
Glycine Soja (Soybean) Oil Unsaponifiables	1						0.0001 to 0.2%			Final report 03/11 available from CIR
Glycine soja (soybean) peptide*	1									Final report 09/2015 available from CIR
Glycine soja (soybean) protein	1									Final report 09/2015 available from CIR
Glycine Soja (Soybean) Sterols	1									Final report 12/2013 available from CIR
Glycol Dibehenate*	1									Final report 09/2017 available from CIR
Glycol Diethylhexanoate	1									Final report 09/2017 available from CIR
Glycol Dilaurate	1									Final report 09/2017 available from CIR
Glycol Dioleate*	1									Final report 09/2017 available from CIR
Glycol Dipalmitate/Palm Kernelate/Olivate/Macadamiate*	1									Final report 09/2017 available from CIR
Glycol Dipalmitate/Rapeseedate/Soyate*	1									Final report 09/2017 available from CIR
Glycol Dipivalate*	1									Final report 09/2017 available from CIR
Glycol Distearate	1									JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003; Final report 09/2017 available from CIR
Glycol Ditallowate*	1									Final report 09/2017 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Glycol Ricinoleate	1						not in current use *			IJT 26(S3):31-77, 2007
Glycol Stearate	1						up to 6%			JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Glycol Stearate SE	1						up to 12%			JACT 1(2):1-11, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Glycyrrhetic Acid	1						up to 2%			IJT 26(S2):79- 112, 2007
Glycyrrhetinyl Stearate	1						not in current use *			IJT 26(S2):79-112, 2007
Glycyrrhiza Glabra (Licorice) Leaf Extract	1						concentration not reported*			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Rhizome/Root	1						0.0001 to 0.4%			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root	1						0.0001 to 0.4%			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Extract	1						0.0001 to 0.4%			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Extract [polyol soluble]	1						0.0001 to 0.06%			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Juice	1						not in current use*			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Powder	1						not in current use*			Final report 09/08 available from CIR
Glycyrrhiza Glabra (Licorice) Root Water	1						not in current use*			Final report 09/08 available from CIR
Glycyrrhiza Inflata Root Extract	1						not in current use*			Final report 09/08 available from CIR
Glycyrrhiza Inflata Root Extract [polyol soluble]	1						0.0001 to 15%			Final report 09/08 available from CIR
Glycyrrhiza Uralensis (Licorice) Root Extract	1						not in current use*			Final report 09/08 available from CIR
Glycyrrhizic Acid	1						up to 0.1%			IJT 26(S2):79- 112, 2007
Gossypium Herbaceum (Cotton) Seed Oil	1						0.004 to 32%			Final report 03/11 available from CIR
Guar hydroxypropyltrimonium chloride	1						0.005 to 2%			IJT 34(S1): 35-65, 2015
Guizotia Abyssinica Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hair keratin amino acid	1									IJT 33(S4):5-12, 2014
HC Blue No. 2	1						2% in a hair dye (diluted in use to 1%)			JACT 13(5):361-73, 1994; confirmed IJT

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										30(Suppl. 2):98-99, 2011
HC Red No. 7	1						up to 1%			Final Report 06/06 Available from CIR
HC Yellow No. 4	1						less than or equal to 3%			IJT 17(S4):39-70, 1998
HC Yellow No. 5	1						up to 1.6%			IJT 26(S2):113- 124, 2007
HDI/Di-C12-14 Alkyl Tartrate/Hydrogenated Dilinoleyl Alcohol Copolymer	1									Final report 06/2016 available from CIR
HDI/PEI-45/SMDI Crosspolymer	1									Final report 06/2016 available from CIR
HDI/PPG/Polycaprolactone Crosspolymer	1									Final report 06/2016 available from CIR
HDI/Trimethylol Hexyllactone Crosspolymer	1									Final report 06/2016 available from CIR
HEA/Sodium Acryloyldimethyltaurate/Stearth-20 Methacrylate Copolymer	1									Final report 3/2017 available from CIR
Hectorite	1						100% in a skin cleanser; up to 15% in other uses			IJT 22(S1):37-102, 2003
HEDTA	1						concentration not reported *			IJT 21 (S2):95-142, 2002
Helianthus Annuus (Sunflower) Flower Extract	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seed	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seed Butter*	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seedcake	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seed Extract	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seed Flour*	1									Final report 09/2016
Helianthus Annuus (Sunflower) Seed Oil	1						0.000007 to 96%			Final report 03/11 available from CIR
Helianthus Annuus (Sunflower) Seed Oil Unsaponifiables	1						0.005 to 2%			Final report 03/11 available from CIR
Helianthus Annuus (Sunflower) Seed Wax	1									Final report 09/2016
Hexacosyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
Hexanediol Distearate*	1									Final report 09/2017 available from CIR
Hexapeptide-12	1						not in current use*			Final report 06/2014 available from CIR
Hexyldecyl Benzoate	1						not in use at the time*			IJT 31(3):342-372 (2012)
Hexylene Glycol	1						up to 6%			JACT 4(5):223-48, 1985 confirmed 02/04 IJT 25(S2), 2006
Hexyl Methicone	1						not in current use *			IJT 22 (S2):11-35, 2003

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hippophae Rhamnoides Fruit Oil	1						6 to 35%			Final report 03/11 available from CIR
Hippophae Rhamnoides Oil	1						0.2 to 0.7			Final report 03/11 available from CIR
Hippophae Rhamnoides Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Histidine	1						0.00009 to 0.05%			IJT 32(S4):41-64, 2013
Histidine HCl	1						0.00003 to 0.07%			IJT 32(S4):41-64, 2013
Hyaluronic Acid	1						up to 1%			IJT 28 (1): 5-67, 2009
Hydrated Silica	1						up to 34%			Final Report 09/09 available from CIR
Hydrofluorocarbon 152a	1									Final report 3/2017 available from CIR
Hydrogenated Adansonia Digitata Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Apricot Kernel Oil	1						concentration not reported*			Final report 03/11 available from CIR
Hydrogenated Apricot Kernel Oil Unsaponifiables	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Argania Spinosa Kernel Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Avocado Oil	1						up to 5%			Final report 03/11 available from CIR
Hydrogenated Black Currant Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Butadiene/Isoprene/Styrene Copolymer	1						not in current use*			Final report 09/2014 available from CIR
Hydrogenated Butylene/Ethylene/Styrene Copolymer	1									Final report 09/2014 available from CIR
Hydrogenated Camelina Sativa Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Camellia Oleifera Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Hydrogenated Canola Oil	1						concentration not reported*			Final report 03/11 available from CIR
Hydrogenated Castor Oil	1						up to 39%			IJT 26 (S3):31-77, 2007
Hydrogenated Cocoglycerides (amended)	1						up to 31%			IJT 30(S1):5S-16S
Hydrogenated Coconut Acid (amended)	1						6 to 10%			IJT 30(S1):5S-16S; JACT 5(3):103-21, 1986 (original report)
Hydrogenated Coconut Oil (amended)	1						0.001 to 50%			IJT 30(S1):5S-16S; JACT 5(3):103-21, 1986 (original report)

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrogenated Cottonseed Oil	1						0.001 to 24%			Final report 03/11 available from CIR
Hydrogenated Cranberry Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Ethylene/ Propylene/Styrene Copolymer	1									Final report 09/2014 available from CIR
Hydrogenated Evening Primrose Oil	1						concentration not reported*			Final report 03/11 available from CIR
Hydrogenated Grapeseed Oil	1						0.3 to 0.5%			Final report 03/11 available from CIR
Hydrogenated Grapesuit Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Grapesuit Seed Oil Unsaponifiables	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Hazelnut Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Jojoba Oil (amended)	1						up to 31%			Amended Final Report 09/08 - available from CIR
Hydrogenated Kukui Nut Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Lanolin	1						up to 10%			JEPT 4(4):63 -92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Hydrogenated Lecithin	1							safe as used.		IJT 20(S1):21-45, 2001; Final report 03/2015 available from CIR
Hydrogenated Lime Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Lime Seed Oil Unsaponifiables	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Lysolecithin*	1						safe as used			Final report 03/2015 available from CIR
Hydrogenated Lysophosphatidylcholine*	1						safe as used			Final report 03/2015 available from CIR
Hydrogenated Macadamia Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Meadowfoam Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Olive Oil	1						0.0005 to 12%			Final report 03/11 available from CIR
Hydrogenated Olive Oil Unsaponifiables	1						0.05 to 5%			Final report 03/11 available from CIR
Hydrogenated Orange Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Orange Seed Oil Unsaponifiables	1						not in use at the time*			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrogenated Palm Acid	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Palm Kernel Oil	1						0.4 to 13%			Final report 03/11 available from CIR
Hydrogenated Palm Oil	1						0.2 to 30%			IJT 19 (S2):7-28, 2000; Final amended report 03/11 available from CIR
Hydrogenated Passiflora Edulis Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Peach Kernel Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Peanut Oil	1						2 to 5%			IJT 20 (S2):65-77, 2001; final amended report 03/11 available from CIR
Hydrogenated Phosphatidylcholine*	1						safe as used			Final report 03/2015 available from CIR
Hydrogenated Pistachio Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated poly(C6-12 olefin)	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated poly(C6-14 olefin)	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated poly(C6-20 olefin)	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated polybutene*	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated polydecene	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated polydodecene*	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated polyisobutene	1						safe as used			Final report 06/2015 available from CIR
Hydrogenated Polyisobutene	1						up to 96%			IJT 27 (S4): 83-106, 2008
Hydrogenated Potato Starch	1									Final report 09/2015 available from CIR
Hydrogenated Pumpkin Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Punica Granatum Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Rapeseed Oil	1						0.3 to 4%			Final report 03/11 available from CIR
Hydrogenated Raspberry Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Rice Bran Oil	1						not in use at the time*			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrogenated Rice Bran Wax	1						concentration not reported*			IJT 25(S2):91-120, 2006
Hydrogenated Rosa Canina Fruit Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Safflower Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Sesame Seed Oil (amended)	1						not in current use*			JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011
Hydrogenated Soybean Oil	1						0.001 to 42%			Final report 03/11 available from CIR
Hydrogenated Starch Hydrolysate	1									Final report 09/2015 available from CIR
Hydrogenated Styrene/Butadiene Copolymer	1									Final report 09/2014 available from CIR
Hydrogenated Styrene/Isoprene Copolymer	1									Final report 09/2014 available from CIR
Hydrogenated Sunflower Seed Extract*	1									Final report 09/2016
Hydrogenated Sunflower Seed Oil	1						6 to 35%			Final report 03/11 available from CIR
Hydrogenated Sweet Almond Oil	1						up to 0.5%			Final report 03/11 available from CIR
Hydrogenated Sweet Almond Oil Unsaponifiabiles	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Tallow Glyceride	1						up to 25%			JACT 9(2):153-64, 1990 confirmed 06/06
Hydrogenated Tallow Glycerides	1						up to 25%			JACT 9(2):153-64, 1990 confirmed 06/06
Hydrogenated Vegetable Oil	1						0.0004 to 60%			Final report 03/11 available from CIR
Hydrogenated Wheat Germ Oil	1						not in use at the time*			Final report 03/11 available from CIR
Hydrogenated Wheat Germ Oil Unsaponifiabiles	1						not in use at the time*			Final report 03/11 available from CIR
Hydrolyzed Actin	1									Final report 09/2017 available from CIR
Hydrolyzed Amaranth Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Avocado Protein*	1									Final report 09/2017 available from CIR
Hydrolyzed Barley Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Beta-glucan	1						not in current use*			Final report 09/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrolyzed Brazil Nut Protein	1									Final report 09/2017 available from CIR
Hydrolyzed caesalpinia spinosa gum	1						0.002 to 0.4%			IJT 34(S1): 35-65, 2015
Hydrolyzed Casein	1									Final report 09/2017 available from CIR
Hydrolyzed Cellulose Gum	1						not in use at the time*			Amended safety assessment 03/09 - Available from CIR
Hydrolyzed ceratonia siliqua gum extract	1						not in current use*			IJT 34(S1): 35-65, 2015
Hydrolyzed Collagen	1									JACT 4(5)199- 221, 1985 confirmed 06/04 IJT 25(S2), 2006; Final report 09/2017 available from CIR
Hydrolyzed Collagen Extract*	1									Final report 09/2017 available from CIR
Hydrolyzed Collagen PG-propyl dimethiconol	1						not in use at the time*			Final report 03/11 available from CIR
Hydrolyzed Corn Protein	1						not in use at the time*			IJT 30 (S1): 17-39, 2011
Hydrolyzed Corn Starch	1						not in use at the time*			IJT 30 (S1): 17-39, 2011
Hydrolyzed Corn Starch Hydroxyethyl Ether	1									Final report 09/2015 available from CIR
Hydrolyzed Corn Starch Octenylsuccinate	1									Final report 09/2015 available from CIR
Hydrolyzed Cottonseed Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Elastin	1									Final report 09/2017 available from CIR
Hydrolyzed Extensin	1									Final report 09/2017 available from CIR
Hydrolyzed Fibroin	1									Final report 12/2015 available from CIR
Hydrolyzed Fibronectin	1									Final report 09/2017 available from CIR
Hydrolyzed Furcellaran	1									Final report 09/2015 available from CIR
Hydrolyzed Gelatin*	1									Final report 09/2017 available from CIR
Hydrolyzed ginseng root	1						not in current use*			Final report 09/12 available from CIR
Hydrolyzed ginseng root extract	1						not in current use*			Final report 09/12 available from CIR
Hydrolyzed ginseng saponins	1						not in current use*			Final report 09/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrolyzed grape fruit	1						not in current use*			Tentative report 06/12 available from CIR
Hydrolyzed grape skin	1						not in current use*			Tentative report 06/12 available from CIR
Hydrolyzed guar	1						0.03 to 3%			IJT 34(S1): 35-65, 2015
Hydrolyzed Hair Keratin	1									Final report 06/2016 available from CIR
Hydrolyzed Hazelnut Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Hemp Seed Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Jojoba Esters (amended)	1						up to 2%			Amended Final Report 09/08 - available from CIR
Hydrolyzed Jojoba Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Keratin	1									Final report 06/2016 available from CIR
Hydrolyzed Lactalbumin*	1									Final report 09/2017 available from CIR
Hydrolyzed Lupine Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Milk Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Oxidized Keratin	1									Final report 06/2016 available from CIR
Hydrolyzed Pea Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Pectin	1									Final report 09/2015 available from CIR
Hydrolyzed Phospholipids*	1						safe as used			Final report 03/2015 available from CIR
Hydrolyzed Potato Protein	1									Final report 09/2017 available from CIR
Hydrolyzed Reticulin	1									Final report 09/2017 available from CIR
Hydrolyzed Rhizobian Gum	1						0.4 to 3%			Final report 09/12 available from CIR
Hydrolyzed Rice Bran Extract	1						up to 0.0004%	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	1						not in current use*	These rice derived ingredients as used in products should not contain		IJT 25(S2):91-120, 2006

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydrolyzed Rice Extract	1						up to 0.3%	significant levels of pesticide residues or heavy metals 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	1						up to 2%	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	1						1%		Final report 09/12 available from CIR	
Hydrolyzed Sericin	1								Final report 12/2015 available from CIR	
Hydrolyzed Sesame Protein	1								Final report 09/2017 available from CIR	
Hydrolyzed Silk	1								Final report 12/2015 available from CIR	
Hydrolyzed soymilk protein	1								Final report 09/2015 available from CIR	
Hydrolyzed soy protein	1								Final report 09/2015 available from CIR	
Hydrolyzed soy protein extract	1								Final report 09/2015 available from CIR	
Hydrolyzed Soy Starch	1								Final report 09/2015 available from CIR	
Hydrolyzed Spongins*	1								Final report 09/2017 available from CIR	
Hydrolyzed Starch	1								Final report 09/2015 available from CIR	
Hydrolyzed Sulfonated Keratin	1								Final report 06/2016 available from CIR	
Hydrolyzed Sunflower Seed Wax	1								Final report 09/2016	
Hydrolyzed Sweet Almond Protein	1								Final report 09/2017 available from CIR	
Hydrolyzed Triticum Spelta Starch	1								Final report 09/2015 available from CIR	
Hydrolyzed Vegetable Protein	1								Final report 09/2017 available from CIR	
Hydrolyzed Wheat Starch	1								Final report 09/2015 available from CIR	
Hydrolyzed Whey Protein	1								Final report 09/2017 available from CIR	
Hydrolyzed Yogurt Protein	1								Final report 09/2017 available from CIR	
Hydrolyzed Zein*	1								Final report 09/2017 available from CIR	

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydroxybenzomorpholine	1						0.03%			JACT 10(1):205- 13, 1991
Hydroxybutyl Methylcellulose	1						not in use at the time*			Amended safety assessment 03/09 - Available from CIR
Hydroxycaproyl Phytosphingosine*	1						safe as used			Final report 03/2015 available from CIR
Hydroxycapryloyl Phytosphingosine*	1						safe as used			Final report 03/2015 available from CIR
Hydroxyethyl-3,4-Methylenedioxyaniline HCl	1									Final report 06/2017 available from CIR
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	1									Final report 3/2017 available from CIR
Hydroxyethylcellulose (amended)	1						up to 6%			Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
Hydroxyethyl Cyclodextrin	1									Final report 09/2015 available from CIR
Hydroxyethyl Ethylcellulose (amended)	1						up to 3%			Amended safety assessment 03/09 - Available from CIR
Hydroxylated Lanolin	1						up to 28%			JEPT 4(4):63- 92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Hydroxy lauroyl Phytosphingosine*	1						safe as used			Final report 03/2015 available from CIR
Hydroxypalmitoyl Sphinganine	1						safe as used			Final report 03/2015 available from CIR
Hydroxypropyl Bis(N-Hydroxyethyl-p-Phenylenediamine) HCl	1									Final report 09/2013 available from CIR
Hydroxypropylcellulose (amended)	1						up to 4%			Amended safety assessment 03/09 - Available from CIR JACT 5(3):1-59, 1986 (original report)
Hydroxypropyl Cyclodextrin	1									Final report 09/2015 available from CIR
Hydroxypropyldimethicone	1						not in current use*			IJT 22(S2):11-35, 2003
Hydroxypropyl dimethicone/polysorbate 20 crosspolymer	1						not in current use*			Final report 09/12 available from CIR
Hydroxypropyl guar	1						0.05 to 2% in leave-on; 0.1 to 93% in rinse- off			IJT 34(S1): 35-65, 2015
Hydroxypropyl guar hydroxypropyltrimonium chloride	1						0.04 to 0.9%			IJT 34(S1): 35-65, 2015

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Hydroxypropyl Methylcellulose (amended)	1						up to 4%			Amended safety assessment 03/09 - Available from CIR; JACT 5(3):1-59, 1986 (original report)
Hydroxypropyl Methylcellulose Acetate/Succinate	1						not in use at the time*			Amended Safety Assessment 03/09 available from CIR
Hydroxypropyl Oxidized Starch	1									Final report 09/2015 available from CIR
Hydroxypropyl Starch	1									Final report 09/2015 available from CIR
Hydroxypropyltrimonium Hydrolyzed Corn Starch	1									Final report 09/2015 available from CIR
Hydroxypropyltrimonium Hydrolyzed Wheat Starch	1									Final report 09/2015 available from CIR
Hydroxypropyltrimonium Maltodextrin Crosspolymer	1									Final report 09/2015 available from CIR
Hydroxypropyl xanthan gum	1						not in current use*			Final report 09/12 available from CIR
Hydroxystearic Acid	1						up to 10%			IJT 18(S1):1- 10, 1999
Hypericum Perforatum Extract	1									IJT 20(S2):31-39, 2001; IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Leaf/Stem Extract	1									IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Leaf Extract	1						not in current use*			IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower/Twig Extract	1						not in current use*			IJT 33(S3):5-23, 2014
Hypericum Perforatum Flower Extract	1									IJT 33(S3):5-23, 2014
Hypericum Perforatum Leaf Extract	1						not in current use*			IJT 33(S3):5-23, 2014
Hypericum Perforatum Oil	1									IJT 20(S2):31-39, 2001; IJT 33(S3):5-23, 2014
Imidazolidinyl Urea	1						up to 1%			JEPT 4(4):133- 46, 1980 confirmed 09/01 IJT 22(S1):1-35, 2003
Inulin	1									Final report 09/2015 available from CIR
Irvingia Gabonensis Kernel Butter	1						0.003 to 0.4%			Final report 03/11 available from CIR
Isoamyl Acetate	1						up to 10%			JACT 7(6):705-19, 1988

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Isobutane	1						up to 85%			JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Isobutyl Acetate	1						6 to 45%			IJT 31(S1):112-136, 2012
Isobutyl Benzoate	1						0.01%			IJT 31(3):342-372 (2012)
Isobutylene/isoprene copolymer*	1						safe as used			Final report 06/2015 available from CIR
Isobutylene/styrene copolymer	1									Final report 09/2014 available from CIR
Isobutylparaben	1						up to 0.4% if used alone; parabens mixture up to 0.8%			IJT 27(S4): 1-82, 2008 JACT14(5):364-372, 1995 (original report)
Isodecyl citrate	1						concentration not reported*			IJT 33 (S2): 16-46, 2014
Isodecyl glyceryl ether	1						not in current use*			IJT 32 (S3): 5-21, 2013
Isoleucine	1						0.0003 to 0.002%			IJT 32(S4):41-64, 2013
Isomalt	1									Final report 03/2014 available from CIR
Isomerized Jojoba Oil (amended)	1						not in current use*			Amended Final Report 09/08 - available from CIR
Isopentane	1						up to 37%			JACT 1(4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
Isopolyglyceryl-3 dimethiconol	1						not in current use*			Final report 12/10 available from CIR
Isoprene/pentadiene copolymer*	1						safe as used			Final report 06/2015 available from CIR
Isopropyl Acetate	1						0.5 to 2%			IJT 31(S1):112- 136, 2012
Isopropyl Alcohol	1						0.002 to 100% (100% in manicuring preparations)			IJT 31(S1):112-136, 2012
Isopropyl Benzoate	1									IJT 31(3):342-372 (2012)
Isopropyl citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Isopropyl Ester of PVM/MA Copolymer (amended)	1						not in current use*			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Isopropyl Lanolate	1						up to 26%			JEPT 4(4):121- 32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Isopropylparaben	1						up to 0.4% if used alone; parabens mixture up to 0.8%			IJT 27(S4): 1-82, 2008 JACT14(5):364-372, 1995 (original report)
Isopropyl Titanium Triisostearate/Triethoxysilylethyl Polydimethylsiloxylethyl Dimethicone Crosspolymer	1						concentration not reported*			Final report 09/12 available from CIR
Isostearic Acid	1						up to 26%			JACT 2(7):61-74, 1983 confirmed 09/02 IJT 24(S1):55-56, 2005
Isostearyl Acetate	1						0.002 to 5%			IJT 31 (S1):112-136, 2012
Isostearyl Alcohol	1						up to 50%			JACT 7(3):359-413, 1988 confirmed 12/05
Isostearyl Benzoate	1						1%			IJT 31(3):342-372 (2012)
Isostearyl Glyceryl Ether	1						0.001 to 0.02%			IJT 32 (S3): 5-21, 2013
Isostearyl sebacate	1						up to 0.7%			IJT 31(S1):5- 76, 2012
Japan (Rhus Succedanea) Wax	1						up to 34%			JACT 3 (3):1-41, 1984 confirmed 06/03
Jjoba Alcohol (amended)	1						up to 1%			Amended Final Report 09/08 - available from CIR
Jjoba Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Jjoba Esters (amended)	1						up to 44%			Amended Final Report 09/08 - available from CIR
Juglans Regia (Walnut) Seed Oil	1						0.00003 to 0.2%			Final report 03/11 available from CIR
Kaolin	1						up to 100%			IJT 22(S1):37-102, 2003
Kefiran	1									Final report 03/2014 available from CIR
Keratin	1									Final report 06/2016 available from CIR
Keratin Amino Acids	1									IJT 33(S4):5-12, 2014
Lactitol	1									Final report 03/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Lactoglobulin	1									Final report 09/2017 available from CIR
Lactose	1									Final report 03/2014 available from CIR
Lactulose	1						not in current use *			Final report 03/2014 available from CIR
Laneth-10 Acetate	1						not in current use *			JACT 1(4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005
Laneth-9 Acetate	1						not in current use *			JACT 1 (4):1-23, 1982 confirmed 02/02 IJT 24(S1):56-59, 2005
Lanolin	1						up to 37%			JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Acid	1						up to 10%			JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Alcohol	1						up to 4%			JEPT 4(4):63 -92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Oil	1						up to 65%			JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lanolin Wax	1						up to 25%			JEPT 4(4):63-92, 1980 confirmed 02/03 IJT 24(S1):2-10, 2005
Lapyrium Chloride	1						0.03% in a body wash			JACT 10(1):87-97, 1991
L-Ascorbic Acid	1						up to 10%			IJT 24(2):51-111, 2005
Laurdimonium Hydroxypropyl Hydrolyzed Wheat Starch	1									Final report 09/2015 available from CIR
Lauric Acid	1						up to 25%			JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006
Lauriminodipropionic Acid	1						not in use at the time*			Final amended report 12/11
Lauryl/Myristyl Benzoate	1						not in use at the time*			IJT 31(3):342-372 (2012)

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Lauryl dimethicone/polyglycerin-3 crosspolymer	1						2%			Final report 09/12 available from CIR
Lauryl dimethicone PEG-15 crosspolymer	1						not in current use*			Final report 09/12 available from CIR
Lauryl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
Lauryl Isopentyl-PEG/PPG-18/18 Methicone*	1									Final report 12/2014 available from CIR
Lauryl PEG/PPG-18/18 Methicone	1									Final report 12/2014 available from CIR
Lauryl PEG-10 Methyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
Lauryl PEG-10 Tris(trimethylsiloxy)silylethyl Dimethicone*	1									Final report 12/2014 available from CIR
Lauryl PEG-8 Dimethicone	1									Final report 12/2014 available from CIR
Lauryl PEG-8 PPG-8 Dimethicone*	1									Final report 12/2014 available from CIR
Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	1									Final report 12/2014 available from CIR
Lauryl polydimethylsiloxyethyl dimethicone/bis-vinyldimethicone crosspolymer	1						not in current use*			Final report 09/12 available from CIR
Lauryl Polyglyceryl-3 Polydimethylsiloxyethyl Dimethicone*	1									Final report 12/2014 available from CIR
Lecithin	1							safe as used.		IJT 20(S1):21-45, 2001; Final report 03/2015 available from CIR
Leucine	1						0.0009 to 0.001%			IJT 32(S4):41-64, 2013
Levan	1						not in current use*			Final report 09/12 available from CIR
Limnanthes Alba (Meadowfoam) Seed Oil	1						0.002 to 74%			Final report 03/11 available from CIR
Linseed Acid	1						concentration not reported*			Final report 03/11 available from CIR
Linum Usitatissimum (Linseed) Oil	1						0.001 to 10%			Final report 03/11 available from CIR
Lithium Magnesium Silicate	1						not in current use*			IJT 22(S1):37-102, 2003
Lithium Magnesium Sodium Silicate	1						not in current use*			IJT 22(S1):37-102, 2003
Lithium Stearate	1						up to 3%			JACT 1(2):143-177, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Locust bean hydroxypropyltrimonium chloride	1						0.4% in rinse- off			IJT 34(S1): 35-65, 2015

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Luffa Cylindrica Seed Oil	1						up to 0.01%			Final report 03/11 available from CIR
Lupine amino acids	1									IJT 33(S4):5-12, 2014
Lupinus Albus Oil Unsaponifiables	1						not in use at the time*			Final report 03/11 available from CIR
Lupinus Albus Protein	1									Final report 09/2017 available from CIR
Lupinus Albus Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Lycium Barbarum Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Lycium Barbarum Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Lysine	1						1.0 x 10 ⁻⁷ to 0.7%			IJT 32(S4):41-64, 2013
Lysine HCl	1						0.00003 to 0.6%			IJT 32(S4):41-64, 2013
Lysolecithin	1						safe as used			Final report 03/2015 available from CIR
Lysophosphatidic Acid	1						safe as used			Final report 03/2015 available from CIR
Lysophosphatidylethanolamine*	1						safe as used			Final report 03/2015 available from CIR
Lysophosphatidylglycerol*	1						safe as used			Final report 03/2015 available from CIR
Macadamia Integrifolia Seed Oil	1						0.00006 to 5%			Final report 03/11 available from CIR
Macadamia Ternifolia Seed Oil	1						0.0003 to 30%			Final report 03/11 available from CIR
Magnesium Acetate	1						0.02 to 0.03%			IJT 31 (S1):112-136, 2012
Magnesium Alginate	1									Final report 09/2015 available from CIR
Magnesium Aluminum Silicate	1						up to 5%			IJT 22 (S1):37-102, 2003
Magnesium Ascorbate	1						not in current use*			IJT 24(2):51-111, 2005
Magnesium Ascorbyl Phosphate	1						up to 3%			IJT 24(2):51-111, 2005
Magnesium Aspartate	1						0.00005 to 0.1%			IJT 32(S4):41-64, 2013
Magnesium Benzoate	1						not in use at the time*			Final amended report 10/11 available from CIR
Magnesium citrate	1						0.01 to 2%			IJT 33 (S2): 16 -46, 2014
Magnesium Cocoate (amended)	1						concentration not reported*			IJT 30(S1):5S-16S

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Magnesium Coco-Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Magnesium Glycinate	1						not in current use*			IJT 32(S4):41-64, 2013
Magnesium Myristate	1						up to 10%			IJT 29(S3): 162-186,2010
Magnesium Silicate	1						not in current use*			IJT 22(S1):37-102, 2003
Magnesium Stearate	1						up to 8%			JACT 1(2):143-177, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Magnesium Sulfate	1									Final report 06/2014 available from CIR
Magnesium Trisilicate	1						not in current use*			IJT 22(S1):37-102, 2003
Maleic Acid	1						up to 0.004% as a pH adjuster	safe for use as a pH adjuster; fragrance use not addressed		IJT 26(S2):125-130, 2007
Malonic Acid	1						not in current use*			IJT 31 (S1):5-76, 2012
Maltitol	1						up to 15%			Final report 09/08 available from CIR
Maltitol Laurate	1						not in current use*			Final report 09/08 available from CIR
Maltitol Laurate	1									Final report 12/2016 available from CIR
Maltodextrin	1									Final report 09/2015 available from CIR
Maltose	1									Final report 03/2014 available from CIR
m-Aminophenol	1						up to 5%			JACT 7(3):279-333, 1988 confirmed 09/05
Manganese citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Manganese tripeptide-1	1						not in current use*			Final report 06/2014 available from CIR
Mangifera Indica (Mango) Seed Butter	1						0.0005 to 3%			Final report 03/11 available from CIR
Mangifera Indica (Mango) Seed Oil	1						0.003 to 6%			Final report 03/11 available from CIR
Mannan	1									Final report 09/2015 available from CIR
Mannose	1									Final report 03/2014 available from CIR
MEA-Hydrolyzed Collagen	1									Final report 09/2017 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Melibiose	1									Final report 03/2014 available from CIR
Methacrylic Acid\ Styrene\ VP Copolymer	1									Final report 09/2014 available from CIR
Methicone	1						up to 5%			IJT 22(S2):11-35, 2003
Methionine	1						0.0001 to 0.07%			IJT 32(S4):41-64, 2013
Methoxyisopropanol	1						up to 35% in nail care products; fragrance use not addressed			IJT 27(S2): 25-29, 2008
Methoxyisopropyl Acetate	1						not in current use*			IJT 27(S2): 25-29, 2008
Methoxy PEG/PPG-25/4 Dimethicone	1									Final report 12/2014 available from CIR
Methoxy PEG-11 Methoxy PPG-24 Dimethicone*	1									Final report 12/2014 available from CIR
Methoxy PEG-13 Ethyl Polysilsesquioxane*	1									Final report 12/2014 available from CIR
Methoxy PEG-17/Methoxy PEG-11/HDI Crosspolymer	1									Final report 06/2016 available from CIR
Methoxy PEG-17/Methoxy PEG-11/HDI Isocyanurate Trimer Crosspolymer	1									Final report 06/2016 available from CIR
Methyl Acetate	1						10 to 60%			IJT 31(S1):112-136, 2012
Methyl Benzoate	1						0.0005 to 0.3%			IJT 31(3):342 -372 (2012)
Methylcellulose (amended)	1						up to 20%			Amended safety assessment 03/09 - Available from CIR JACT 5(3)1-59, 1986 (original report)
Methyl Cocoate (amended)	1						up to 0.06%			IJT 30 (S1):5S-16S
Methyl Cyclodextrin	1									Final report 09/2015 available from CIR
Methylene Glycol	1	1				1		safe for use in cosmetics when formulated to ensure use at the minimal effective concentration, but in no case should the formalin concentration exceed 0.2% (w/w), which would be 0.074% (w/w) calculated as formaldehyde or 0.118% (w/w) calculated as methylene glycol. Additionally, formaldehyde and methylene glycol are safe in the present practices		IJT 32(S4):5-32, 2013

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								of use and concentration in nail-hardening products. 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)		
Methyl Ethylcellulose	1						not in use at the time*			Amended Safety Assessment 03/09 available from CIR
Methyl Gluceth-10	1									Final report 09/2013 available from CIR
Methyl Gluceth-20	1									Final report 09/2013 available from CIR
Methyl glucose caprylate/caprato	1									Final report 09/2013 available from CIR
Methyl glucose dioleate	1									Final report 09/2013 available from CIR
Methyl glucose isostearate	1									Final report 09/2013 available from CIR
Methyl glucose laurate	1									Final report 09/2013 available from CIR
Methyl glucose sesquicaprylate/sesquicaprate	1									Final report 09/2013 available from CIR
Methyl glucose sesquicoate	1									Final report 09/2013 available from CIR
Methyl glucose sesquiisostearate	1									Final report 09/2013 available from CIR
Methyl glucose sesquilaurate	1									Final report 09/2013 available from CIR
Methyl glucose sesquiolate	1									Final report 09/2013 available from CIR
Methyl glucose sesquistearate	1									Final report 09/2013 available from CIR
Methyl Glycyrrhizate	1						not in current use*			IJT 26(S2):79-112, 2007
Methyl Hydroxyethylcellulose	1						not in use at the time*			Amended Safety Assessment 03/09 available from CIR
Methyl Methacrylate/Glycol Dimethacrylate Crosspolymer	1						up to 3%			IJT 30 (1): 54-65, 2011
Methyl Methacrylate Crosspolymer	1						up to 14%			IJT 30 (1): 54-65, 2011
Methyl Myristate	1						not in use at the time*			IJT 29(S3) :162-186,2010
Methylparaben (amended)	1						up to 0.4% if used alone; parabens mixture up to 0.8%			IJT 27(S4): 1-82, 2008 JACT

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										3(5):147-209, 1984 (original report)
Methyl Pelargonate	1						not in current use*			Final report 06/10 available from CIR
Methyl Ricinoleate	1						not in current use*			IJT 26(S3) 2007
Methylstyrene/Vinyltoluene Copolymer	1									Final report 09/2014 available from CIR
Microcrystalline Cellulose (amended)	1						up to 57%			Amended safety assessment 03/09 - Available from CIR
Microcrystalline Wax	1						up to 50%			JACT 3(3):43- 99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Milk amino acids	1									IJT 33(S4):5-12, 2014
Milk Protein	1									Final report 09/2017 available from CIR
Milk Protein Extract	1									Final report 09/2017 available from CIR
Mink Oil (Amended)	1						up to 3%			IJT 24(S3):57-64, 2005 IJT 17(S4):71-82, 1998 (Original Report)
Monosodium citrate	1						0.004 to 5%			IJT 33 (S2): 16-46, 2014
Montan Wax	1						up to 11%			JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Montmorillonite	1						not in current use*			IJT 22 (S1):37-102, 2003
Morinda Citrifolia Seed Oil	1						not in current use*			Final report 03/11 available from CIR
Moringa Oleifera Seed Oil	1						up to 0.001%			Final report 03/11 available from CIR
Moringa Pterygosperma Seed Oil	1						0.003 to 3%			Final report 12/10 available from CIR
Myristic Acid	1						up to 50%			JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006; IJT 29 (S3): 162-186, 2010
Myristoyl hexapeptide-12	1						not in current use*			Final report 06/2014 available from CIR
Myristoyl pullulan	1						not in current use*			Final report 09/12 available from CIR
Myristoyl tripeptide-1	1						not in current use*			Final report 06/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Myristyl Acetate	1						not in use at the time*			IJT 31(S1):112-136, 2012
Myristyl Alcohol	1						up to 5%			JACT 7(3):359-413, 1988 confirmed 12/05
Myristyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
N,N-Bis(2-Hydroxyethyl)-p- Phenylenediamine Sulfate	1						up to 5%			JACT 11(1):129-43, 1992
n-Butane (aka Butane)	1						up to 92%			JACT 1 (4):127-42, 1982 confirmed 06/02 IJT 24(S1):52-55, 2005
n-Butyl Alcohol	1						up to 15% in nail products, up to 0.002% in other products			IJT 27(S2): 53-69, 2008 JACT 6(3):403-25, 1987 (Original Report)
Neopentyl Glycol Dicaprate	1									Final report 09/2017 available from CIR
Neopentyl Glycol Dicaprylate/Dicaprate	1									Final report 09/2017 available from CIR
Neopentyl Glycol Dicaprylate/Dipelargonate/Dicaprate	1						not in use at the time*			Final report 06/10 available from CIR
Neopentyl Glycol Dicaprylate/Dipelargonate/Dicaprate*	1									Final report 09/2017 available from CIR
Neopentyl Glycol Diethylhexanoate	1									Final report 09/2017 available from CIR
Neopentyl Glycol Diheptanoate	1									Final report 09/2017 available from CIR
Neopentyl Glycol Diisononanoate	1						1%			IJT 30 (S3):228-269, 2011; Final report 09/2017 available from CIR
Neopentyl Glycol Diisostearate	1									Final report 09/2017 available from CIR
Neopentyl Glycol Dilaurate*	1									Final report 09/2017 available from CIR
Niacin	1						Niacin less than or equal to 0.1%; Niacinamide less than or equal to 3%			IJT 24(S5):1-31, 2005
Niacinamide	1						Niacin less than or equal to 0.1%; Niacinamide less than or equal to 3%			IJT 24(S5):1-31, 2005
Nitrocellulose	1									Final report 06/13 available from CIR
Nonyl Acetate	1						0.0004%			IJT 31(S1):112-136, 2012
Nylon-10/10	1						not in current use*			IJT 33(S4):47-60, 2014

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Nylon-11	1									IJT 33(S4):47-60, 2014
Nylon-12	1									IJT 33(S4):47-60, 2014
Nylon-12/6/66	1						not in current use*			IJT 33(S4):47-60, 2014
Nylon-6	1									IJT 33(S4):47-60, 2014
Nylon 6/12	1									IJT 33(S4):47-60, 2014
Nylon-611	1						not in current use*			IJT 33(S4):47-60, 2014
Nylon-66	1									IJT 33(S4):47-60, 2014
o-Aminophenol	1						up to 1%			JACT 7(3):279-333, 1988 confirmed 09/05
Oat amino acids	1									IJT 33(S4):5-12, 2014
Octacosanyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
Octododecyl Benzoate	1						3 to 4%			IJT 31(3):342- 372 (2012)
Octoxynol-10	1						up to 25% in hair bleaches			IJT 23(S1):59-111, 2004
Octoxynol-11	1						up to 1%			IJT 23(S1):59-111, 2004
Octoxynol-12	1						not in current use*			IJT 23 (S1):59-111, 2004
Octoxynol-13	1						up to 2%			IJT 23(S1):59-111, 2004
Octoxynol-16	1						not in current use*			IJT 23 (S1):59-111, 2004
Octoxynol-20	1						not in current use*			IJT 23 (S1):59-111, 2004
Octoxynol-20 Carboxylic Acid	1						not in current use*			IJT 23(S1):59-111, 2004
Octoxynol-25	1						not in current use*			IJT 23 (S1):59-111, 2004
Octoxynol-30	1						up to 2%			IJT 23(S1):59-111, 2004
Octoxynol-33	1						not in current use*			IJT 23 (S1):59-111, 2004
Octoxynol-40	1						up to 0.02%			IJT 23(S1):59-111, 2004
Octoxynol-70	1						not in current use*			IJT 23 (S1):59-111, 2004

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Octoxynol-9	1						up to 5%			IJT 23(S1):59-111, 2004
Octoxynol-9 Carboxylic Acid	1						not in current use*			IJT 23(S1):59-111, 2004
Octyldodecanol	1						up to 85%			JACT 4(5):1-29, 1985 confirmed 03/04; IJT 25(S2), 2006
Octyldodecyl Stearoyl Stearate (amended)	1						up to 15%			IJT 24(S3):65-74, 2005 IJT 20(S3):51-59, 2001 (Original report)
Oenothera Biennis (Evening Primrose) Oil	1						0.00002 to 58%			Final report 03/11 available from CIR
Olea Europaea (Olive) Fruit Oil	1						0.0005 to 100%			Final report 03/11 available from CIR
Olea Europaea (Olive) Husk Oil	1						not in current use*			Final report 03/11 available from CIR
Olea Europaea (Olive) Oil Unsaponifiables	1						0.0001 to 3%			Final report 03/11 available from CIR
Oleic Acid	1						up to 50%			JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006
Oleyl Alcohol	1						up to 62%			JACT 4(5):1-29, 1985 confirmed 03/04 IJT 25(S2), 2006
Oleyl Glyceryl Ether	1						not in current use*			IJT 32 (S3): 5-21, 2013
Olive Acid	1						not in use at the time*			Final report 03/11 available from CIR
Orbignya Cohune Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Orbignya Oleifera Seed Oil	1						0.0009 to 27%			Final report 03/11 available from CIR
Orbignya Speciosa Kernel Oil	1						0.5 to 0.9%			Final report 03/11 available from CIR
Oryza Sativa (Rice) Bran	1						concentration not reported*			IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Bran Acid	1						not in current use*	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	1						concentration not reported*			IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Bran Oil	1						0.0003 to 78%	These rice derived ingredients as used in		Final amended report 03/11 available

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
								products should not contain significant levels of pesticide residues or heavy metals		from CIR; IJT 25(S2):91-120, 2006 (original)
Oryza Sativa (Rice) Bran Wax	1						concentrator not reported*			IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Extract	1						not in current use*	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	1						0.003 to 3%	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) Germ Powder	1						concentrator not reported*			IJT 25(S2):91-120, 2006
Oryza Sativa (Rice) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Oryza Sativa (Rice) Starch	1						1 to 97%	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	1						not in current use*			Final report 09/12 available from CIR
Oxidized Keratin	1									Final report 06/2016 available from CIR
Ozokerite	1						up to 22%			JACT 3(3):43-99, 1984 confirmed 06/03
Palm (Elaeis Guineensis) Oil	1						up to 2%			IJT 19 (S2):7-28, 2000
Palm Acid	1						1 to 17%			Final report 03/11 available from CIR
Palmitic Acid	1						up to 25%			JACT 6(3):321-401, 1987 confirmed 06/05
Palmitoyl hexapeptide-12	1									Final report 06/2014 available from CIR
Palmitoyl Inulin	1									Final report 09/2015 available from CIR
Palmitoyl tetrapeptide-7	1						not in current use*			Final report 06/2014 available from CIR
Palm Kernel Acid	1						2 to 12%			Final report 03/11 available from CIR
p-Aminophenol	1						up to 1%			JACT 7(3):279-333, 1988 confirmed 09/05

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Pamitoyl tripeptide-1	1									Final report 06/2014 available from CIR
Panax ginseng root	1						concentration not reported*			Final report 09/12 available from CIR
Panax ginseng root extract***	1						0.000002 to 0.5%			Final report 09/12 available from CIR
Panax ginseng root oil	1						not in current use*			Final report 09/12 available from CIR
Panax ginseng root powder	1						concentration not reported*			Final report 09/12 available from CIR
Panax ginseng root protoplast	1						not in current use*			Final report 09/12 available from CIR
Panax ginseng root water	1						not in current use*			Final report 09/12 available from CIR
Panax japonicus root extract	1						not in current use*			Final report 09/12 available from CIR
Panax notoginseng root	1						0.0004%			Final report 09/12 available from CIR
Panax notoginseng root powder	1						not in current use*			Final report 09/12 available from CIR
Panax quinquefolium root extract	1						0.0005 to 0.002%			Final report 09/12 available from CIR
Panthenol	1						up to 25%			JACT 6(1):139-62, 1987 confirmed 12/04 IJT 25(S2), 2006
Pantothenic Acid	1						not in use at the time*			JACT 6(1):139-62, 1987 confirmed 12/04 IJT 25(S2), 2006
Paraffin	1						0.03 to 99%			JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Passiflora Edulis Seed Oil	1						0.0007 to 3%			IJT 31(S2):169-244 (2012)
Peanut (Arachis Hypogaea) Oil	1						up to 25%			IJT 20(S2):65-77, 2001
Peanut Acid and Peanut Glycerides	1						not in current use*			Final amended report 03/11 available from CIR; IJT 20(S2):65-77, 2001 (original)
Pectin	1									Final report 09/2015 available from CIR
PEG/PPG-10/2 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-10/3 Oleyl Ether Dimethicone*	1									Final report 12/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG/PPG-12/16 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-12/18 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-14/4 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-15/15 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-15/5 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-16/2 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-16/8 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-17/18 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-18/12 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-18/18 Dimethicone	1									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*	1									Final report 12/2014 available from CIR
PEG/PPG-19/19 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/15 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG/PPG-20/20 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/22 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-20/22 Methyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-20/23 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/29 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-20/6 Dimethicone	1									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*	1									Final report 12/2014 available from CIR
PEG/PPG-22/23 Dimethicone	1									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	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-23/23 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-23/6 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-24/18 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-25/25 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-27/27 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005;

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										Final report 12/2014 available from CIR
PEG/PPG-27/9 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-3/10 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-30/10 Dimethicone	1									Final report 12/2014 available from CIR
PEG/PPG-4/12 Dimethicone	1									JACT 1 (4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG/PPG-6/11 Dimethicone*	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-6/4 Dimethicone*	1									Final report 12/2014 available from CIR
PEG/PPG-8/14 Dimethicone	1									IJT 24(Suppl. 1):1-102, 2005; Final report 12/2014 available from CIR
PEG/PPG-8/26 Dimethicone*	1									Final report 12/2014 available from CIR
PEG-10	1						0.1 to 0.2%			Final report 06/10 available from CIR
PEG-10/lauryl dimethicone crosspolymer	1						0.5 to 0.7%			Final report 09/12 available from CIR
PEG-100	1						not in current use*			Final report 06/10 available from CIR
PEG-100 Lanolin	1						concentration not reported*			Final amended report 09/12 available from CIR
PEG-100 Stearate	1						up to 6%			IJT 24(S1):1-102, 2005
PEG-100 Stearate	1						up to 25%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-10 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-10 dimethicone/vinyl dimethicone crosspolymer	1						concentration not reported*			Final report 09/12 available from CIR
PEG-10 dimethicone crosspolymer	1						0.6 to 2%			Final report 09/12 available from CIR
PEG-10 Hydrogenated Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-10 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-10 Methyl Ether Dimethicone	1									Final report 12/2014 available from CIR
PEG-10 Polydimethylsiloxylethyl Dimethicone/bis-vinyl Dimethicone Crosspolymer*	1									Final report 12/2014 available from CIR
PEG-10 Propylene Glycol	1						not in current use*			IJT 20(S4):13-26, 2001
PEG-10 Propylene Glycol*	1									Final report 12/2016 available from CIR
PEG-10 Soy Sterol	1						up to 2%			IJT 23(S2):23-47, 2004
PEG-115M	1						not in current use*			Final report 06/10 available from CIR
PEG-11 Methyl Ether Dimethicone	1									Final report 12/2014 available from CIR
PEG-12	1						0.04 to 56%			Final report 06/10 available from CIR
PEG-120 methyl glucose dioleate	1									Final report 09/2013 available from CIR
PEG-120 methyl glucose triisostearate	1									Final report 09/2013 available from CIR
PEG-120 methyl glucose trioleate	1									Final report 09/2013 available from CIR
PEG-120 Propylene Glycol Stearate	1						not in current use*			IJT 20(S4):13-26, 2001
PEG-120 Propylene Glycol Stearate*	1									Final report 12/2016 available from CIR
PEG-12 Dimethicone	1									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/bis-isobutyl PPG-20 crosspolymer	1						not in current use*			Final report 09/12 available from CIR
PEG-12 dimethicone/PPG-20 crosspolymer	1						not in current use*			Final report 09/12 available from CIR
PEG-12 dimethicone crosspolymer	1						0.3 to 2%			Final report 09/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-12 Stearate	1						up to 1%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-135	1						not in current use*			Final report 06/10 available from CIR
PEG-14	1						0.1 to 2%			Final report 06/10 available from CIR
PEG-14 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-14M	1						0.05 to 0.5%			Final report 06/10 available from CIR
PEG-15/lauryl dimethicone crosspolymer	1						0.7 to 2%			Final report 09/12 available from CIR
PEG-15/lauryl polydimethylsiloxylethyl dimethicone crosspolymer	1						not in current use*			Final report 09/12 available from CIR
PEG-150	1						0.0009 to 6%			Final report 06/10 available from CIR
PEG-150 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-150 Pentaerythrityl Tetrastearate	1									Final report 06/2014 available from CIR
PEG-150 Stearate	1						up to 6%			IJT 24(S1):1-102, 2005
PEG-15 Hydrogenated Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-16	1						not in current use*			Final report 06/10 available from CIR
PEG-160M	1						not in current use*			Final report 06/10 available from CIR
PEG-16 Soy Sterol	1						up to 0.5%			IJT 23(S2):23- 47, 2004
PEG-17 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-18	1						not in current use*			Final report 06/10 available from CIR
PEG-180	1						0.05 to 5%			Final report 06/10 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-180M	1						0.05 to 0.08%			Final report 06/10 available from CIR
PEG-20	1						0.02 to 27%			Final report 06/10 available from CIR
PEG-200	1						not in current use*			Final report 06/10 available from CIR
PEG-20 Hydrogenated Lanolin	1						1.0 to 5.0%			Final amended report 09/12 available from CIR
PEG-20 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-20M	1						0.4 to 3%			Final report 06/10 available from CIR
PEG-20 methyl glucose distearate	1									Final report 09/2013 available from CIR
PEG-20 methyl glucose sesquicaprylate/sesquicaprate	1									Final report 09/2013 available from CIR
PEG-20 methyl glucose sesquilaurate	1									Final report 09/2013 available from CIR
PEG-20 methyl glucose sesquistearate	1									Final report 09/2013 available from CIR
PEG-20 Sorbitan Beeswax	1						up to 11%	safe for use in the present practices of use, except that cosmetic formulations containing PEG-6, -20, and -75 should not be used on damaged skin10		IJT 20(S4):27-38, 2001
PEG-20 Sorbitan Tetraoleate	1						not in use at the time*			IJT 19(S2):43-89, 2000
PEG-20 Stearate	1						up to 4%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-220	1						0.3 to 0.4%			Final report 06/10 available from CIR
PEG-23M	1						0.05%			Final report 06/10 available from CIR
PEG-240	1						4 to 10%			Final report 06/10 available from CIR
PEG-240/HDI Copolymer Bis Decyltetradeceth 20 Ether	1									Final report 06/2016 available from CIR
PEG-24 Hydrogenated Lanolin	1						0.2 to 0.3%			Final amended report 09/12 available from CIR
PEG-24 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-25 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-25M	1						not in current use*			Final report 06/10 available from CIR
PEG-25 Propylene Glycol Stearate	1									Final report 12/2016 available from CIR
PEG-25 Propylene Glycol Stearate	1						1 to 5%			IJT 20(S4):13-26, 2001
PEG-25 Soy Sterol	1						up to 2%			IJT 23(S2):23-47, 2004
PEG-27 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-2M	1						0.5%			Final report 06/10 available from CIR
PEG-2 Stearate	1						up to 2%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-30 Hydrogenated Lanolin	1						not in current use*			IJT 18(S1):61-68, 1999; Final amended report 09/12 available from CIR
PEG-30 Lanolin	1						0.50%			JACT 1(4):91-102, 1982; Final amended report 09/12 available from CIR
PEG-30 Soy Sterol	1						not in current use*			IJT 23(S2):23-47, 2004
PEG-32	1						0.03 to 15%			Final report 06/10 available from CIR
PEG-32 Methyl Ether Dimethicone	1									Final report 12/2014 available from CIR
PEG-32 Stearate	1						up to 6%			IJT 24(S1):1-102, 2005
PEG-33	1						not in current use*			Final report 06/10 available from CIR
PEG-350	1						1%			Final report 06/10 available from CIR
PEG-35 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-3 Dimethicone	1									JACT 1 (4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-4	1						0.01 to 67%			Final report 06/10 available from CIR
PEG-40	1						0.001 to 6%			Final report 06/10 available from CIR
PEG-400	1						1 to 3%			Final report 06/10 available from CIR
PEG-40 Hydrogenated Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-40 Lanolin	1						0.25%			Final amended report 09/12 available from CIR
PEG-40 Soy Sterol	1						not in current use*			IJT 23 (S2):23-47, 2004
PEG-40 Stearate	1						up to 7%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-45	1						not in current use*			Final report 06/10 available from CIR
PEG-450	1						1%			Final report 06/10 available from CIR
PEG-45M	1						0.03 to 0.3%			Final report 06/10 available from CIR
PEG-4 PEG-12 Dimethicone*	1									Final report 12/2014 available from CIR
PEG-500	1						not in current use*			Final report 06/10 available from CIR
PEG-50 Lanolin	1						concentration not reported*			Final amended report 09/12 available from CIR
PEG-50 Stearate	1						up to 9%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-55	1						not in current use*			Final report 06/10 available from CIR
PEG-55 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-55 Propylene Glycol Oleate	1						up to 10%			IJT 20(S4):13-26, 2001
PEG-55 Propylene Glycol Oleate	1									Final report 12/2016 available from CIR
PEG-5 Hydrogenated Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-5 Isononanoate	1						1%			Final report 06/10 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-5 Lanolin	1						concentration not reported*			Final amended report 09/12 available from CIR
PEG-5M	1						0.01%			Final report 06/10 available from CIR
PEG-5 Soy Sterol	1						up to 2%			IJT 23(S2):23-47, 2004
PEG-6	1						0.01 to 51%			Final report 06/10 available from CIR
PEG-60	1						not in current use*			Final report 06/10 available from CIR
PEG-60 Lanolin	1						0.4 to 2%			Final amended report 09/12 available from CIR
PEG-65M	1						not in current use*			Final report 06/10 available from CIR
PEG-6 Dimethicone*	1									Final report 12/2014 available from CIR
PEG-6 Methyl Ether Dimethicone	1									Final report 12/2014 available from CIR
PEG-6 Propylene Glycol Caprylate/Caprate	1									Final report 12/2016 available from CIR
PEG-6 Sorbitan Beeswax	1						not in current use*	safe for use in the present practices of use, except that cosmetic formulations containing PEG-6, -20, and -75 should not be used on damaged skin ¹⁰		IJT 20 (S4):27-38, 2001
PEG-6 Sorbitan Oleate	1						not in use at the time*			IJT 19(S2):43-89, 2000
PEG-6 Sorbitan Stearate	1						not in use at the time*			IJT 19(S2):43-89, 2000
PEG-6 Stearate	1						up to 6%			IJT 24(S1):1-102, 2005
PEG-7	1						not in current use*			Final report 06/10 available from CIR
PEG-70 Hydrogenated Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-70 Lanolin	1						not in current use*			Final amended report 09/12 available from CIR
PEG-70 Lanolin	1									Final amended report 09/12 available from CIR
PEG-75	1						0.2 to 36%			Final report 06/10 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-75 Lanolin	1						0.001 to 15%			Final amended report 09/12 available from CIR
PEG-75 Lanolin	1									Final amended report 09/12 available from CIR
PEG-75 Lanolin Oil	1						concentration not reported*			Final amended report 09/12 available from CIR
PEG-75 Lanolin Wax	1						not in current use*			Final amended report 09/12 available from CIR
PEG-75 Propylene Glycol Stearate	1						not in current use*			IJT 20(S4):13-26, 2001
PEG-75 Propylene Glycol Stearate*	1									Final report 12/2016 available from CIR
PEG-7 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-7M	1						0.05 to 0.5%			Final report 06/10 available from CIR
PEG-7 Methyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG-8	1						0.0002 to 85%			Final report 06/10 available from CIR
PEG-80	1						not in current use*			Final report 06/10 available from CIR
PEG-800	1						not in current use*			Final report 06/10 available from CIR
PEG-80 methyl glucose laurate	1						not in current use*			Final report 09/2013 available from CIR
PEG-85 Lanolin	1									JACT 1(4):91-102, 1982; Final amended report 09/12 available from CIR
PEG-8 Cetyl Dimethicone	1									Final report 12/2014 available from CIR
PEG-8 Dimethicone	1									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 Dilinoleic Acid Copolymer	1									Final report 12/2014 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PEG-8 dimethicone/polysorbate 20 crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
PEG-8 Dimethicone Dimer Dilinoleate*	1									Final report 12/2014 available from CIR
PEG-8 Methicone	1									Final report 12/2014 available from CIR
PEG-8 Methyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG-8 PEG-4 Dimethicone*	1									Final report 12/2014 available from CIR
PEG-8 PPG-8 Dimethicone*	1									Final report 12/2014 available from CIR
PEG-8 Propylene Glycol Cocoate	1						1 to 5%			IJT 20(S4):13-26, 2001
PEG-8 Propylene Glycol Cocoate	1									Final report 12/2016 available from CIR
PEG-8 Sorbitan Beeswax	1						not in current use*	safe for use in the present practices of use, except that cosmetic formulations containing PEG-6, -20, and -75 should not be used on damaged skin11		IJT 20(S4):27-38, 2001
PEG-8 Stearate	1						up to 3%			JACT 2(7):17-60, 1983 confirmed 11/02 IJT 24(S1):74-80, 2005
PEG-9	1						0.02 to 0.9%			Final report 06/10 available from CIR
PEG-90	1						0.05 to 21%			Final report 06/10 available from CIR
PEG-90M	1						0.0002 to 0.3%			Final report 06/10 available from CIR
PEG-9 Dimethicone	1									JACT 1(4):33-54, 1982 confirmed 02/03 IJT 24(S1):42-44, 2005; Final report 12/2014 available from CIR
PEG-9M	1						not in current use*			Final report 06/10 available from CIR
PEG-9 Methyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PEG-9 Polydimethylsiloxylethyl Dimethicone	1									Final report 12/2014 available from CIR
Pelargonic Acid	1						not in use at the time*			IJT 30(S3):228-269, 2011
Pentaerythrityl Cocoate (amended)	1						concentration not reported*			IJT 30(S1):5S-16S
Pentaerythrityl Tetrabenate	1						2 to 3%			Final report 12/11 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Pentaerythrityl Tetrabenenate/Benzoate/Ethylhexanoate	1						0.5 to 16%			Final report 12/11 available from CIR
Pentaerythrityl Tetrabenzoate	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetra C5-10 Acid Esters	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetra C5-9 Acid Esters	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetracaprylate/Tetracaprate	1						0.07 to 5%			Final report 12/11 available from CIR
Pentaerythrityl Tetracocoate	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetra-Di-t-Butyl Hydroxyhydrocinnamate	1						0.00001- 0.8%			Final report 03/2014 available from CIR
Pentaerythrityl Tetraethylhexanoate	1						0.06 to 50%			Final report 12/11 available from CIR
Pentaerythrityl Tetraethylhexanoate/Benzoate	1						40%			Final report 12/11 available from CIR
Pentaerythrityl Tetraisononanoate	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetraisostearate	1						0.1 to 55%			Final report 12/11 available from CIR
Pentaerythrityl Tetramyristate	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetraoleate	1						not in use at the time*			Final report 12/11 available from CIR
Pentaerythrityl Tetrapelargonate	1						2%			Final report 12/11 available from CIR
Pentaerythrityl Tetrastearate	1						7%			Final report 12/11 available from CIR
Pentasodium Pentetate	1						up to 3%			IJT 27 (S2): 71-92, 2008
Pentetic Acid	1						up to 0.03%			IJT 27 (S2): 71-92, 2008
Pentylene Glycol	1						0.001 to 5%			IJT 31 (S2): 147-168, 2012
Perfluorononyl dimethicone/methicone/amodimethicone crosspolymer	1						0.70%			IJT 33 (S2): 65-115, 2014
Perilla Ocymoides Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Persea Gratissima (Avocado) Butter	1						concentration not reported*			Final report 03/11 Available from CIR
Persea Gratissima (Avocado) Oil	1						0.0001 to 98%			Final amended report 03/11 available from CIR; JEPT 4(4):93-103, 1980 (original) re-review IJT 22(S1):1-35, 2003

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Persea Gratissima (Avocado) Oil Unsaponifiables	1						0.2 to 6%			Final report 03/11 available from CIR
Persea Gratissima (Avocado) Sterols	1									Final report 12/2013 available from CIR
Petroleum Distillates (aka Petroleum Distillate)	1						up to 82%			JACT 5(3):225-248, 1986 confirmed 12/06
Phaseolus Angularis Seed Starch	1									Final report 09/2015 available from CIR
Phaseolus Radiatus Seed Starch	1									Final report 09/2015 available from CIR
Phenoxyethanol	1						less than or equal to 0.0002 to 1%			JACT 9(2):259-77, 1990
Phenylalanine	1						0.00009 to 0.03%			IJT 32(S4):41-64, 2013
Phenyl Methyl Pyrazolone	1						up to 1%			JACT 11 (4):475-88, 1992
Phenyl Trimethicone	1						up to 36%			JACT 5(5):353-71, 1986 confirmed 06/04 IJT 25(S2), 2006
Phosphatidic Acid*	1						safe as used			Final report 03/2015 available from CIR
Phosphatidylcholine	1						safe as used			Final report 03/2015 available from CIR
Phosphatidylglycerol*	1						safe as used			Final report 03/2015 available from CIR
Phosphatidylinositol*	1						safe as used			Final report 03/2015 available from CIR
Phosphatidylserine*	1						safe as used			Final report 03/2015 available from CIR
Phospholipids	1						safe as used			Final report 03/2015 available from CIR
Phytantriol	1						up to 3%			IJT 26(S1):107- 114, 2007
Phytosterols	1									Final report 12/2013 available from CIR
Phytosteryl butyrate	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl canolate	1									Final report 12/2013 available from CIR
Phytosteryl caprylate/caprato	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl hydroxystearate	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl isostearate	1									Final report 12/2013 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Phytosteryl linoleate	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl linoleate\linoleate	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl Macadamiate	1									Final report 12/2013 available from CIR
Phytosteryl Nonanoate	1						not in use at the time*			IJT 30(S3):228-269, 2011; Final report 12/2013 available from CIR
Phytosteryl Oleate	1									Final report 12/2013 available from CIR
Phytosteryl Rice Branate	1									Final report 12/2013 available from CIR
Phytosteryl Ricinoleate	1						not in current use*			Final report 12/2013 available from CIR
Phytosteryl sunflowerseedate	1						not in current use*			Final report 12/2013 available from CIR
Picramic Acid	1						up to 0.6%			IJT 28(S3): 205-216, 2009
Pistacia Vera Seed Oil	1						0.003 to 1%			Final report 03/11 available from CIR
Pisum Sativum (Pea) Protein	1									Final report 09/2017 available from CIR
Pisum Sativum (Pea) Starch	1									Final report 09/2015 available from CIR
Plukenetia Volubilis Seed Oil	1						0.05 to 0.6%			Final report 03/11 available from CIR
p-Methylaminophenol	1						up to 0.7%			Final Amended Report 12/07 Available from CIR JACT 10(1):53-65, 1991 (original report)
p-Methylaminophenol Sulfate (amended)	1						up to 0.7%			Final Amended Report 12/07 Available from CIR JACT 10(1):53-65, 1991 (original report)
Polianthes Tuberosa Polysaccharide	1									Final report 09/2015 available from CIR
Poloxamer 101	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 105	1						up to 3%			IJT 27 (S2): 93-128, 2008
Poloxamer 105 Benzoate	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 108	1						not in current use*			IJT 27 (S2): 93-128, 2008

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Poloxamer 122	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 123	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 124	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 181	1						up to 6%			IJT 27 (S2): 93-128, 2008
Poloxamer 182	1						up to 6%			IJT 27 (S2): 93-128, 2008
Poloxamer 182 Benzoate	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 183	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 184	1						up to 10%			IJT 27 (S2): 93-128, 2008
Poloxamer 185	1						up to 9%			IJT 27 (S2): 93-128, 2008
Poloxamer 188	1						up to 2%			IJT 27 (S2): 93-128, 2008
Poloxamer 212	1						up to 2%			IJT 27 (S2): 93-128, 2008
Poloxamer 215	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 217	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 231	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 234	1						up to 10%			IJT 27 (S2): 93-128, 2008
Poloxamer 235	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 237	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 238	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 282	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 284	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 288	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 331	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 333	1						1%			IJT 27 (S2): 93-128, 2008
Poloxamer 334	1						0.3%			IJT 27 (S2): 93-128, 2008

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Poloxamer 335	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 338	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 401	1						concentration not reported*			IJT 27 (S2): 93-128, 2008
Poloxamer 402	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 403	1						not in current use*			IJT 27 (S2): 93-128, 2008
Poloxamer 407	1						up to 20%			IJT 27 (S2): 93-128, 2008
Polystyrene/hydrogenated polyisopentene copolymer	1									Final report 09/2014 available from CIR
Poly(C20-28 olefin)*	1						safe as used			Final report 06/2015 available from CIR
Poly(C30-45 olefin)	1						safe as used			Final report 06/2015 available from CIR
Poly(C4-12 olefin)*	1						safe as used			Final report 06/2015 available from CIR
Poly(C6-14 olefin)*	1						safe as used			Final report 06/2015 available from CIR
Polyacrylate-12	1						not in current use*			Final report 09/2014 available from CIR
Polyacrylate-15	1									Final report 09/2014 available from CIR
Polyacrylate-16	1									Final report 09/2014 available from CIR
Polyacrylate-18	1						not in current use*			Final report 09/2014 available from CIR
Polyacrylate-2	1						not in current use*			Final report 09/2014 available from CIR
Polyacrylate-21	1									Final report 09/2014 available from CIR
Polyacrylate-30	1						not in current use*			Final report 09/2014 available from CIR
Polyacrylate-5	1									Final report 09/2014 available from CIR
Polyamino Sugar Condensate	1						up to 1%			JACT 1 (4):25-32, 1982 confirmed 02/02 IJT 24(S1):80-81, 2005
Polybutene	1						safe as used			JACT 1(4):103-18, 1982 confirmed 06/02 IJT 24(S1):81-82, 2005; Final report 06/2015 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polybutylene terephthalate	1									IJT 33(S3):36-47, 2014
Polydecene	1						safe as used			Final report 06/2015 available from CIR
Polydimethylsiloxylethyl dimethicone/bis-vinyldimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Polyethylene	1						safe as used			IJT 26(S1):115-127, 2007; Final report 06/2015 available from CIR
Polyethylene isoterephthalate	1									IJT 33(S3):36-47, 2014
Polyethylene terephthalate	1									IJT 33(S3):36-47, 2014
Polyglyceryl-2 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
Polyglyceryl-3/lauryl polydimethylsiloxylethyl dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Polyisobutene	1						safe as used			IJT 27(S4): 83-106, 2008; Final report 06/2015 available from CIR
Polyisoprene	1						safe as used			Final report 06/2015 available from CIR
Polymethyl Methacrylate (PMMA)	1						up to 30%			IJT 30 (1): 54-65, 2011
Polypentaerythrityl terephthalate	1						not in current use*			IJT 33(S3):36-47, 2014
Polypentene*	1						safe as used			Final report 06/2015 available from CIR
Polypropylene	1						safe as used			Final report 06/2015 available from CIR
Polypropylene Terephthalate	1									IJT 33(S3):36-47, 2014
Polyquaternium-10	1						up to 5%			JACT 7(3): 335-51, 1988 confirmed 09/05
Polyquaternium-11	1						up to 10%			JACT 2(5):161-78, 1983 confirmed 11/02 IJT 24(S1):82-83, 2005
Polyquaternium-22	1									Final report 09/2013 Available from CIR
Polyquaternium-39	1									Final report 09/2013 Available from CIR
Polyquaternium-7	1						up to 0.4%			JACT 14(6):476-84, 1995; confirmed 04/2010

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polysilicone-13	1									Final report 12/2014 available from CIR
Polystyrene	1									Final report 09/2014 available from CIR
Polyurethane-1	1									Final report 09/2017 available from CIR
Polyurethane-10	1									Final report 09/2017 available from CIR
Polyurethane-11	1									Final report 09/2017 available from CIR
Polyurethane-12*	1									Final report 09/2017 available from CIR
Polyurethane-13*	1									Final report 09/2017 available from CIR
Polyurethane-14	1									Final report 09/2017 available from CIR
Polyurethane-15	1									Final report 09/2017 available from CIR
Polyurethane-16	1									Final report 09/2017 available from CIR
Polyurethane-17*	1									Final report 09/2017 available from CIR
Polyurethane-18	1									Final report 09/2017 available from CIR
Polyurethane-19*	1									Final report 09/2017 available from CIR
Polyurethane-2	1									Final report 09/2017 available from CIR
Polyurethane-20*	1									Final report 09/2017 available from CIR
Polyurethane-21*	1									Final report 09/2017 available from CIR
Polyurethane-23*	1									Final report 09/2017 available from CIR
Polyurethane-24	1									Final report 09/2017 available from CIR
Polyurethane-25*	1									Final report 09/2017 available from CIR
Polyurethane-26*	1									Final report 09/2017 available from CIR
Polyurethane-27*	1									Final report 09/2017 available from CIR
Polyurethane-28*	1									Final report 09/2017 available from CIR
Polyurethane-29*	1									Final report 09/2017 available from CIR
Polyurethane-32*	1									Final report 09/2017 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyurethane-33	1									Final report 09/2017 available from CIR
Polyurethane-34	1									Final report 09/2017 available from CIR
Polyurethane-35	1									Final report 09/2017 available from CIR
Polyurethane-36*	1									Final report 09/2017 available from CIR
Polyurethane-39	1									Final report 09/2017 available from CIR
Polyurethane-4*	1									Final report 09/2017 available from CIR
Polyurethane-40	1									Final report 09/2017 available from CIR
Polyurethane-41*	1									Final report 09/2017 available from CIR
Polyurethane-42*	1									Final report 09/2017 available from CIR
Polyurethane-43*	1									Final report 09/2017 available from CIR
Polyurethane-44*	1									Final report 09/2017 available from CIR
Polyurethane-45*	1									Final report 09/2017 available from CIR
Polyurethane-46	1									Final report 09/2017 available from CIR
Polyurethane-47*	1									Final report 09/2017 available from CIR
Polyurethane-48*	1									Final report 09/2017 available from CIR
Polyurethane-49*	1									Final report 09/2017 available from CIR
Polyurethane-5*	1									Final report 09/2017 available from CIR
Polyurethane-50*	1									Final report 09/2017 available from CIR
Polyurethane-51*	1									Final report 09/2017 available from CIR
Polyurethane-52*	1									Final report 09/2017 available from CIR
Polyurethane-53*	1									Final report 09/2017 available from CIR
Polyurethane-54*	1									Final report 09/2017 available from CIR
Polyurethane-55*	1									Final report 09/2017 available from CIR
Polyurethane-56*	1									Final report 09/2017 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Polyurethane-57*	1									Final report 09/2017 available from CIR
Polyurethane-58*	1									Final report 09/2017 available from CIR
Polyurethane-59*	1									Final report 09/2017 available from CIR
Polyurethane-6	1									Final report 09/2017 available from CIR
Polyurethane-60*	1									Final report 09/2017 available from CIR
Polyurethane-61*	1									Final report 09/2017 available from CIR
Polyurethane-62*	1									Final report 09/2017 available from CIR
Polyurethane-63*	1									Final report 09/2017 available from CIR
Polyurethane-64*	1									Final report 09/2017 available from CIR
Polyurethane-65*	1									Final report 09/2017 available from CIR
Polyurethane-66*	1									Final report 09/2017 available from CIR
Polyurethane-67*	1									Final report 09/2017 available from CIR
Polyurethane-68*	1									Final report 09/2017 available from CIR
Polyurethane-69*	1									Final report 09/2017 available from CIR
Polyurethane-7	1									Final report 09/2017 available from CIR
Polyurethane-70*	1									Final report 09/2017 available from CIR
Polyurethane-71*	1									Final report 09/2017 available from CIR
Polyurethane-72*	1									Final report 09/2017 available from CIR
Polyurethane-8	1									Final report 09/2017 available from CIR
Polyurethane-9	1									Final report 09/2017 available from CIR
Polyvinyl Acetate (Amended)	1						less than 25% of a 55 to 60% emulsion			JACT 15(2):166-76, 1996 JACT 11(4):465-73, 1992 (Original Report)
Polyvinyl Alcohol	1						up to 10%			IJT 17(S5):67-94, 1998
Potassium Acetate	1						3%			IJT 31(S1):112-136, 2012

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Potassium Alginate	1									Final report 09/2015 available from CIR
Potassium Ascorbyl Tocopheryl Phosphate	1						less than or equal to 0.02%			IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Potassium Aspartate	1						0.003 to 0.008%			IJT 32(S4):41-64, 2013
Potassium Babassuate	1						not in use at the time*			Final report 03/11 available from CIR
Potassium Benzoate	1						0.0002 to 0.0003%			Final report 10/11 available from CIR
Potassium Butyl Ester of PVM/MA Copolymer (Amended)	1						not in current use*			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Potassium Carrageenan	1									Final report 09/2015 available from CIR
Potassium Caseinate*	1									Final report 09/2017 available from CIR
Potassium Cellulose Succinate	1						not in use at the time*			Amended Safety Assessment 03/09 available from CIR
Potassium citrate	1						0.002 to 0.6%			IJT 33 (S2): 16-46, 2014
Potassium Cocoate (amended)	1						0.003 to 40%			IJT 30(S1):5S-16S
Potassium Cocoyl Hydrolyzed Collagen (formerly Potassium-Coco-Hydrolyzed Animal Protein)	1						up to 20%			JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24 (S1):82-85, 2005
Potassium Cornate	1						not in current use*			IJT 30 (S1):17-39, 2011; Final report 03/11 available from CIR
Potassium Cumenesulfonate	1						not in current use*			IJT 30(S3):270-283, 2011
Potassium Dextrin Octenylsuccinate	1									Final report 09/2015 available from CIR
Potassium Ethyl Ester of PVM/MA Copolymer	1						not in current use*			IJT 30 (S2):128-144, 2011
Potassium Gluconate	1									Final report 03/2014 available from CIR
Potassium Glycyrrhetinate	1						up to 1%			IJT 26 (S2):79-112, 2007
Potassium Glycyrrhizinate	1						not in current use*			IJT 26(S2):79-112, 2007
Potassium Hyaluronate	1						concentration not reported*			IJT 28 (1): 5-67, 2009

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Potassium Hydrogenated Cocoate (amended)	1						not in current use*			IJT 30(S1):5S-16S
Potassium Hydrogenated Palmate	1						not in current use*			Final report 03/11 available from CIR
Potassium Metabisulfite	1						concentration not reported*			IJT 22(S2):63-88, 2003
Potassium Myristate	1						up to 7%			IJT 29(S3) :162 -186,2010
Potassium Octoxynol-12 Phosphate	1						up to 0.05%			IJT 23(S1):59-111, 2004
Potassium Oliviate	1						concentration not reported*			Final report 03/11 available from CIR
Potassium Palmate	1						0.3 to 3%			Final report 03/11 available from CIR
Potassium Palm Kernelate	1						0.3 to 30%			Final report 03/11 available from CIR
Potassium Peanutate	1						not in current use*			Final report 03/11 available from CIR
Potassium Rapeseedate	1						not in current use*			Final report 03/11 available from CIR
Potassium Ricinoleate	1						not in current use*			IJT 26(S3) 2007
Potassium Safflowerate	1						not in current use*			Final report 03/11 available from CIR
Potassium Sorbate	1						up to 1%			JACT 7(6):837-80, 1988 confirmed 04/06
Potassium Soyate	1						not in current use*			Final report 03/11 available from CIR
Potassium Stearate	1						up to 12%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Potassium Sulfite	1						concentration not reported*			IJT 22(S2):63-88, 2003
Potassium Tallate	1						concentration not reported*			IJT 28(S3):252-258, 2009
Potassium Toluenesulfonate	1						not in current use*			IJT 30(S3):270-283, 2011
Potassium Undecylenoyl Alginate	1									Final report 09/2015 available from CIR
Potassium Undecylenoyl Carrageenan	1									Final report 09/2015 available from CIR
Potassium Xylenesulfonate	1						not in current use*			IJT 30(S3):270-283, 2011
Potassium Xylenesulfonate	1						not in current use*			IJT 30(S3):270-283, 2011
Potato Starch Modified	1									Final report 09/2015 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PPG-10 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
PPG-10 methyl glucose ether	1									Final report 09/2013 Available from CIR
PPG-11 Stearyl Ether	1						2 to 10%			IJT 20(S4):53- 59, 2001
PPG-12-Buteth-16	1						up to 31%			IJT 19(S1):47-67, 2000
PPG-12 Butyl Ether Dimethicone*	1									Final report 12/2014 available from CIR
PPG-12 Dimethicone	1									Final report 12/2014 available from CIR
PPG-12-PEG-50 Lanolin	1						0.2 to 8%			Final amended report 09/12 available from CIR
PPG-12-PEG-65 Lanolin Oil	1						0.002 to 0.04%			Final amended report 09/12 available from CIR
PPG-15 Stearyl Ether	1						2 to 10%			IJT 20(S4):53- 59, 2001
PPG-20 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
PPG-20 methyl glucose ether	1									Final report 09/2013 Available from CIR
PPG-20 methyl glucose ether acetate	1						not in current use*			Final report 09/2013 Available from CIR
PPG-20 methyl glucose ether distearate	1									Final report 09/2013 Available from CIR
PPG-20-PEG-20 Hydrogenated Lanolin	1						not in current use *			Final amended report 09/12 available from CIR
PPG-25 Dimethicone*	1									Final report 12/2014 available from CIR
PPG-25 methyl glucose ether	1						not in current use*			Final report 09/2013 Available from CIR
PPG-26/HDI Copolymer	1									Final report 06/2016 available from CIR
PPG-26-Buteth-26	1						2.5%			IJT 19(S1):47-67, 2000
PPG-27 Dimethicone*	1									Final report 12/2014 available from CIR
PPG-28-Buteth-35	1						22%			IJT 19(S1):47-67, 2000
PPG-2 Dimethicone	1									Final report 12/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
PPG-2 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
PPG-2 Methyl Ether	1						up to 2%			IJT 28(S2): 162- 174, 2009
PPG-2 Methyl Ether Acetate	1						not in current use *			IJT 28(S2): 162-174, 2009
PPG-30 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
PPG-3 Methyl Ether	1						concentration not reported *			IJT 28(S2): 162-174, 2009
PPG-40-PEG-60 Lanolin Oil	1						not in current use*			Final amended report 09/12 available from CIR
PPG-4 Oleth-10 Dimethicone*	1									Final report 12/2014 available from CIR
PPG-5 Lanolin Alcohol Ether	1						not in current use*			Final amended report 09/12 available from CIR
PPG-5 Lanolin Wax	1						2.0 to 4.0%			IJT 16(S3):307-316, 1997; Final amended report 09/12 Available from CIR
PPG-5 Lanolin Wax Glyceride	1						not in current use*			IJT 16(S3):307-316, 1997; Final amended report 09/12 Available from CIR
PPG-9-Buteth-12	1						not in current use*			IJT 19 (S1):47-67, 2000
p-Phenylenediamine (amended)**	1						up to 0.04%			Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
p-Phenylenediamine HCl	1						not in current use*			Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
p-Phenylenediamine Sulfate (amended)	1						not in current use*			Final Amended Report 12/07 Available from CIR JACT 4(3):203-66, 1985 (original report)
Proline	1						0.00001 to 2%			IJT 32(S4):41-64, 2013
Propane	1						up to 24%			JACT 1(4):127-42, 1982 confirmed

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										06/02 IJT 24(S1):52-55, 2005
Propanediol Dicaprylate	1									Final report 09/2017 available from CIR
Propanediol Dicaprylate/Caprates	1									Final report 09/2017 available from CIR
Propanediol Diisostearate*	1									Final report 09/2017 available from CIR
Propanediol Dipelargonate*	1									Final report 09/2017 available from CIR
Propyl Acetate	1						0.005 to 39%			IJT 31(S1):112-136, 2012
Propyl Alcohol	1						0.0001 to 0.5%			IJT 31(S1):112-136, 2012
Propyl Benzoate	1						not in current use *			IJT 31 (3):342-372 (2012)
Propylene Carbonate	1						up to 6%			JACT 6(1):23-51, 1987 confirmed 09/04 IJT 25(S2), 2006
Propylene Glycol Alginate	1									Final report 09/2015 available from CIR
Propylene Glycol Oleate SE	1						up to 50%			IJT 18 (S2):35-52, 1999
Propylparaben (amended)	1						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)
Prunus Amygdalus Dulcis (Sweet Almond) Oil	1						0.0001 to 77%			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	1						not in current use *			Final report 03/11 available from CIR
Prunus Amygdalus Dulcis (Sweet Almond) Seed Meal (aka Almond Meal)	1						up to 76%			JACT 2(5):85-99, 1983 confirmed 11/02 IJT 24(S1):98-101, 2005
Prunus Armeniaca (Apricot) Kernel Oil	1						0.00001 to 89%			Final report 03/11 available from CIR
Prunus Armeniaca (Apricot) Kernel Oil Unsaponifiables	1						not in current use *			Final report 03/11 available from CIR
Prunus Avium (Sweet Cherry) Seed Oil	1						0.01 to 0.02%			Final report 03/11 available from CIR
Prunus Domestica Seed Oil	1						up to 0.04%			Final report 03/11 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Prunus Persica (Peach) Gum	1									Final report 09/2015 available from CIR
Prunus Persica (Peach) Kernel Oil	1						0.003 to 22%			Final report 03/11 available from CIR
Pseudoalteromonas exopolysaccharides	1						not in current use*			Final report 09/12 available from CIR
Pueraria Lobata Starch	1									Final report 09/2015 available from CIR
Pullulan	1						0.03 to 17%			Final report 09/12 available from CIR
Punica Granatum Seed Oil	1						0.001 to 1%			Final report 03/11 available from CIR
Punica Granatum Sterols	1						not in current use*			Final report 12/2013 available from CIR
PVM/MA Copolymer (amended)	1						up to 13%			IJT 30 (S2):128-144, 2011
PVP	1						up to 35%			IJT 17 (S4):95-130, 1998
Pyrogallol	1						up to 5%			JACT 10(1):67-85, 1991
Pyrophyllite	1						not in current use*			IJT 22 (S1):37-102, 2003
Quaternium-18	1						up to 2%			JACT 1(2):71-83, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-18 Bentonite	1						up to 9%			JACT 1 (2):71-83, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-18 Hectorite (amended)	1						0.05 to 5% in leave-on; concentration not reported for rinse-off			IJT 32(S4):33-40, 2013 ; JACT 1(2):71-83 (original report), 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Quaternium-22	1						up to 5%			JACT 14(6):485-97, 1995 confirmed 04/10
Raffinose Isostearate*	1									Final report 12/2016 available from CIR
Raffinose Myristate*	1									Final report 12/2016 available from CIR
Raffinose Oleate*	1									Final report 12/2016 available from CIR
Rapeseed Acid	1						not in use at the time*			Final report 03/11 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Resorcinol	1						up to 5%			JACT 5(3):167-203, 1986 confirmed 12/06
Retinol	1						up to 5%			JACT 6(3):279-320, 1987 confirmed 06/05
Retinyl Palmitate	1						up to 5%			JACT 6(3):279-320, 1987 confirmed 06/06
Rhamnose	1									Final report 03/2014 available from CIR
Rhizobian gum	1						concentration not reported*			Final report 09/12 available from CIR
Ribes Nigrum (Black Currant) Seed Oil	1						0.000001 to 0.3%			Final report 03/11 available from CIR
Ribes Rubrum (Currant) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Ribose	1									Final report 03/2014 available from CIR
Rice Amino Acids	1									IJT 33(S4):5-12, 2014
Rice bran Acid	1						not in use at the time*			Final report 03/11 available from CIR
Ricinoleic Acid	1						concentration not reported*			IJT 26(S3) 2007
Ricinus Communis (Castor) Seed Oil	1						up to 81%			IJT 26(S3) 2007
Rosa Canina Fruit Oil	1						0.001 to 19%			Final report 03/11 available from CIR
Rubus Chamamorus Seed Oil	1						up to 0.1%			Final report 03/11 available from CIR
Rubus Idaeus (Raspberry) Seed Oil	1						0.1 to 5%			Final report 03/11 available from CIR
Safflower (Carthamus Tinctorius) Oil	1						up to 84%			JACT 4(5):171-97, 1985 confirmed 02/04 IJT 25(S2), 2006
Safflower Acid	1									Final report 03/11 available from CIR
Schinziophyton Rautaneii Kernel Oil	1						concentration not reported*			Final report 03/11 available from CIR
Sclerocarya Birrea Seed Oil	1						up to 1%			Final report 03/11 available from CIR
Sclerotium gum	1						0.003 to 2%			Final report 09/12 available from CIR
SD Alcohol 30	1						not in current use*			IJT 27 (S1):1-43, 2008
SD Alcohol 39-B	1						concentration not reported*			IJT 27 (S1):1-43, 2008

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
SD Alcohol 39-C	1						up to 88%			IJT 27 (S1):1-43, 2008
SD Alcohol 3-A	1						up to 5%			IJT 27 (S1):1-43, 2008
SD Alcohol 40-B	1						up to 99%			IJT 27 (S1):1-43, 2008
SD Alcohol 40C	1						not in use at the time*			IJT 27 (S1):1-43, 2008
SD Alcohol 40-C	1						not in current use*			IJT 27 (S1):1-43, 2008
Sebacic Acid	1						up to 0.03% in leave-on; up to 1% in rinse-off			IJT 31 (S1):5-76, 2012
Sericin	1									Final report 12/2015 available from CIR
Serine	1						0.00003 to 2%			IJT 32(S4):41-64, 2013
Sesame Amino Acids	1									IJT 33(S4):5-12, 2014
Sesamum Indicum (Sesame) Seed Butter	1						not in use at the time*			Final report 03/11 available from CIR
Sesamum Indicum (Sesame) Seed Oil (amended)	1						0.0001 to 73%			Final amended report 03/11 available from CIR; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)
Sesamum Indicum (Sesame) Seed Oil Unsaponifiables (amended)	1						0.01 to 0.03%			Final amended report 03/11 available from CIR; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)
Silica (amorphous)	1						up to 44%			Final Report 09/09 available from CIR
Silicone quaternium-16/glycidoxy dimethicone crosspolymer	1						0.003 to 3%			IJT 33 (S2): 65-115, 2014
Silk	1									Final report 12/2015 available from CIR
Silk amino acids	1									IJT 33(S4):5-12, 2014
Silk Extract	1									Final report 12/2015 available from CIR
Silk Powder	1									Final report 12/2015 available from CIR
Silver borosilicate	1						not in current use*			IJT 32(S3): 65-72, 2013

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Silybum Marianum Seed Oil [Thistle]	1						up to 0.5%			Final report 03/11 available from CIR
Simmondsia Chinensis (Jojoba) Butter (amended)	1						up to 6%			Amended Final Report 09/08 - available from CIR
Simmondsia Chinensis (Jojoba) Seed Oil (amended)	1						up to 100%			Amended Final Report 09/08 - available from CIR JACT 11(1):57-74, 1992 (original report)
Simmondsia Chinensis (Jojoba) Wax (amended)	1						up to 2%			Amended Final Report 09/08 - available from CIR JACT 11(1):57-74, 1992 (original report)
Sodium/TEA-Undecylenoyl Alginate	1									Final report 09/2015 available from CIR
Sodium/TEA-Undecylenoyl Carrageenan	1									Final report 09/2015 available from CIR
Sodium Acetate	1						0.0002 to 0.5%			IJT 31(S1):112 -136, 2012
Sodium Acrylate/Acryloyldimethyltaurate/Dimethylacrylamide Crosspolymer	1									Final report 3/2017 available from CIR
Sodium Acrylate/Sodium Acryloyldimethyl Taurate/Acrylamide Copolymer	1									Final report 3/2017 available from CIR
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	1									Final report 3/2017 available from CIR
Sodium Acryloyldimethyl Taurate/Acrylamide/VP Copolymer	1									Final report 3/2017 available from CIR
Sodium Acryloyldimethyltaurate/Methacrylamidolauric Acid Copolymer	1									Final report 3/2017 available from CIR
Sodium Acryloyl Dimethyl Taurate/PEG-8 Diacrylate Crosspolymer*	1									Final report 3/2017 available from CIR
Sodium Acryloyldimethyltaurate/VP Crosspolymer	1									Final report 3/2017 available from CIR
Sodium Algin Sulfate	1									Final report 09/2015 available from CIR
Sodium Ascorbate	1						up to 0.3%			IJT 24(2):51-111, 2005
Sodium Ascorbyl Phosphate	1						up to 3%			IJT 24 (2):51-111, 2005
Sodium Aspartate	1						not in current use*			IJT 32(S4):41-64, 2013
Sodium Astrocaryum Murumuruatate	1						0.002 to 0.005%			Final report 03/11 available from CIR
Sodium Avocadoate	1						concentration not reported*			Final report 03/11 available from CIR
Sodium Babassuate	1						8%			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Benzoate	1						0.000001 to 1%			Amended final report available from CIR 09/11; IJT 20(S3):23-50, 2001
Sodium Benzotriazolyl Butylphenol Sulfonate	1						safe as used			Final report 03/2015 available on CIR
Sodium Bicarbonate	1						greater than 50%			JACT 6 (1):121-138, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium Bisulfite	1						up to 0.7%			IJT 22(S2):63-88, 2003
Sodium Butyl Ester of PVM/MA Copolymer (amended)	1						not in current use*			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Sodium Carbonate	1						up to 25%			JACT 6(1):121-38, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium carboxymethyl beta-glucan	1						0.0001 to 0.1%			Final report 09/12 available from CIR
Sodium carboxymethyl dextran	1						concentration not reported*			Final report 09/12 available from CIR
Sodium Carboxymethyl Inulin	1									Final report 09/2015 available from CIR
Sodium Carboxymethyl Starch	1									Final report 09/2015 available from CIR
Sodium Carrageenan	1									Final report 09/2015 available from CIR
Sodium Caseinate	1									Final report 09/2017 available from CIR
Sodium Cellulose Sulfate	1						not in use at the time*			Amended safety assesment 03/09 available from CIR
Sodium Cetearyl Sulfate	1						up to 10%			IJT 29(S2): 115-132, 2010 JACT 11(1):145-55, 1992 (original report)
Sodium Cetyl Sulfate	1						up to 2%			IJT 29(S2): 115-132, 2010
Sodium citrate	1						0.000005 to 10%			IJT 33 (S2): 16-46, 2014
Sodium Coco/Hydrogenated Tallow Sulfate (amended)	1						not in current use*			Amended Final Report 09/08 Available from CIR
Sodium Cocoa Butterate	1						not in use at the time*			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Cocoamphoacetate	1						0.09 to 18%			JACT 9 (2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Sodium Cocoamphopropionate	1						0.3 to 10%			JACT 9 (2):121-142, 1990; re-review IJT 27(Suppl. 1):77-142, 2008
Sodium Cocoate (amended)	1						1 to 52%			IJT 30 (S1):5S-16S
Sodium Cocomonoglyceride Sulfate (amended)	1						not in current use*			IJT 30(S1):5S-16S
Sodium Coco-Sulfate	1						up to 29%			IJT 29(S2): 115-132, 2010
Sodium Cumenesulfonate	1						up to 3%			IJT 30 (S3):270-283, 2011
Sodium Decyl Sulfate	1						concentration not reported*			IJT 29(S2): 115-132, 2010
Sodium Dehydroacetate	1						up to 0.6%			JACT 4 (3):123-159, 1985 confirmed 11/03 IJT 25(S2), 2006
Sodium dextran sulfate	1						0.005 to 0.5%			Final report 09/12 available from CIR
Sodium Dextrin Octenylsuccinate	1									Final report 09/2015 available from CIR
Sodium Erythorbate	1						up to 1%			IJT 18(S3):1-26, 1999
Sodium Ethyl Ester of PVM/MA Copolymer (amended)	1						not in current use*			Amended Final Report 06/09 Available from CIR JACT 12(3):243-56, 1993 (original report)
Sodium Ethylhexyl Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Sodium Fumarate	1						not in current use*			Final report 03/09 available from CIR
Sodium Gluconate	1									Final report 03/2014 available from CIR
Sodium Glutamate	1						0.01 to 2%			IJT 32(S4):41-64, 2013
Sodium Glycinate	1						concentration not reported*			IJT 32(S4):41-64, 2013
Sodium Grapeseedate	1						concentration not reported*			Final report 12/10 available from CIR
Sodium Hyaluronate	1						up to 2%			IJT 28 (1): 5- 67, 2009
Sodium Hydrogenated Cocoate (amended)	1						not in current use*			IJT 30(S1):5S-16S
Sodium Hydrogenated Palmate	1						not in use at the time*			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Hydrolyzed Casein*	1									Final report 09/2017 available from CIR
Sodium Hydrolyzed Potato Starch Dodecenylsuccinate	1									Final report 09/2015 available from CIR
Sodium Hydroxypropyl Oxidized Starch Succinate	1									Final report 09/2015 available from CIR
Sodium Lauriminodipropionate	1						0.05% (rinse-off)			IJT 32 (S3):49-55, 2013; original report IJT 16(S1):1-10,1997
Sodium Lauryl Sulfoacetate	1						up to 21%			JACT 6 (3):261-277, 1987 confirmed 12/04 IJT 25(S2), 2006
Sodium Macadamiasedate	1						not in use at the time*			Final report 03/11 available from CIR
Sodium Magnesium Silicate	1						up to 5%			IJT 22 (S1):37-102, 2003
Sodium Mangosedate	1						concentration not reported*			Final report 03/11 available from CIR
Sodium Metabisulfite	1						up to 14%			IJT 22(S2):63 -88, 2003
Sodium methacrylate/styrene copolymer	1						not in current use*			Final report 09/2014 available from CIR
Sodium Myristate	1						up to 6%			IJT 29(S3):162-186, 2010
Sodium Myristyl Sulfate	1						concentration not reported*			IJT 29(S2): 115-132, 2010
Sodium Octoxynol-9 Sulfate	1						not in current use*			IJT 23(S1):59-111, 2004
Sodium Oleyl Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Sodium Olivatate	1						4 to 18%			Final report 03/11 available from CIR
Sodium Oxidized Starch Acetate/Succinate	1									Final report 09/2015 available from CIR
Sodium Palmate	1						3 to 68%			Final report 03/11 available from CIR
Sodium Palm Kernelate	1						12 to 44%			Final report 03/11 available from CIR
Sodium Peanutate	1						not in current use*			Final report 03/11 available from CIR
Sodium Picramate (amended)	1						concentration not reported*			IJT 28(S3): 205-216, 2009 JACT 11(4):447-64, 1992 (original report)
Sodium Polyacryloyldimethyl Taurate	1									Final report 3/2017 available from CIR
Sodium Potassium Aluminum Silicate	1						up to 4%			Final Report 09/09 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium rapeseedate	1						not in current use*			Final report 03/11 available from CIR
Sodium Ricinoleate	1						concentration not reported*			IJT 26(S3): 31-77, 2007
Sodium Safflowerate	1						not in current use*			Final report 03/11 available from CIR
Sodium Sesameseedate (amended)	1						not in current use*			Final amended report 03/11 available from CIR; JACT 12(3):261-77, 1993 (original report); IJT 30 (1): 40-53, 2011 (amended)
Sodium Sesquicarbonate	1						greater than 50%			JACT 6(1):121-38, 1987 confirmed 03/05 IJT 25(S2), 2006
Sodium Soyate	1						not in current use*			Final report 03/11 available from CIR
Sodium Starch Octenylsuccinate	1									Final report 09/2015 available from CIR
Sodium Stearate	1						up to 25%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Sodium Stearyl Fumarate.	1						not in current use*			Final report 03/09 available from CIR
Sodium Stearyl Sulfate	1						not reported*			IJT 29 (S2): 115-132, 2010
Sodium styrene/acrylates/ethylhexyl acrylate/lauryl acrylate copolymer	1						not in current use*			Final report 09/2014 available from CIR
Sodium Styrene/Acrylates Copolymer	1									IJT 21(S3):1-50, 2002; Final report 09/2014 available from CIR
Sodium Succinate	1						concentration not reported*			IJT 31 (S1):5-76, 2012
Sodium Sulfite	1						up to 3%			IJT 22(S2):63-88, 2003
Sodium Sweet Almondate	1						up to 15%			Final report 03/11 available from CIR
Sodium Tallate	1						concentration not reported*			IJT 28(S3):252-258, 2009
Sodium Tallow Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Sodium Theobroma Grandiflorum Seedate	1						not in current use*			Final report 03/11 available from CIR
Sodium Tocopheryl Phosphate	1									Final report 03/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sodium Toluenesulfonate	1						not in current use*			IJT 30(S3):270-283, 2011
Sodium Trideceth Sulfate	1						up to 19%			IJT 29(S3) :151-161,2010
Sodium Tridecyl Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Sodium Xylenesulfonate	1						up to 15%			IJT 30 (S3):270-283, 2011
Solanum Lycopersicum (Tomato) Fruit Oil	1						0.01 to 1%			Final report 03/11 available from CIR
Solanum Lycopersicum (Tomato) Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Solanum Tuberosum (Potato) Starch	1									Final report 09/2015 available from CIR
Soluble Collagen	1									Final report 09/2017 available from CIR
Soluble Elastin*	1									Final report 09/2017 available from CIR
Soluble Keratin	1									Final report 06/2016 available from CIR
Sorbeth-40 Hexaoleate	1						concentration not reported*			IJT 19(S2):43-89, 2000
Sorbeth-40 Hexaoleate	1						concentration not reported*			IJT 19(S2):43-89, 2000
Sorbeth Tetraoleate Laurate	1						concentration not reported*			IJT 19(S2):43-89, 2000
Sorbeth Tetrastearate	1						concentration not reported*			IJT 19(S2):43-89, 2000
Sorbic Acid	1						up to 5%			JACT 7(6):837-80, 1988 confirmed 04/06
Sorbitan Caprylate	1									IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Cocoate*	1									IJT 21 (S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Diisostearate*	1									IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Dioleate*	1									IJT 21 (S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Distearate*	1									IJT 21(S1):93-112, 2002; Final report

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										12/2014 available from CIR
Sorbitan Isostearate	1									IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Laurate	1									JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Oleate	1									JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Olivatate	1									IJT 21(S1):93- 112, 2002; Final report 12/2014 available from CIR
Sorbitan Palmate	1									Final report 12/2014 available from CIR
Sorbitan Palmitate	1									JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Sesquicaprylate*	1									Final report 12/2014 available from CIR
Sorbitan Sesquiisostearate	1									IJT 21 (S1):93-112, 2003; Final report 12/2014 available from CIR
Sorbitan Sesquioleate	1									JACT 4(3):65 -121, 1985; Final report 12/2014 available from CIR
Sorbitan Sesquistearate*	1									IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Stearate	1									JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Triisostearate	1									IJT 21(S1):93-112, 2002; Final report 12/2014 available from CIR
Sorbitan Trioleate	1									JACT 4(3):65-121, 1985; Final report

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										12/2014 available from CIR
Sorbitan Tristearate	1									JACT 4(3):65-121, 1985; Final report 12/2014 available from CIR
Sorbitan Undecylenate*	1									Final report 12/2014 available from CIR
Soy Acid	1						not in current use*			Final report 03/11 available from CIR
Soy Amino Acids	1									IJT 33(S4):5-12, 2014
Soy sterol acetate	1									Final report 12/2013 available from CIR
Spirulina Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Squalane	1						up to 31%			JACT 1(2):37-56, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Squalene	1						up to 10%			JACT 1(2):37-56, 1982 confirmed 09/01 IJT 22(S1):1-35, 2003
Starch Acetate	1									Final report 09/2015 available from CIR
Starch Acetate/Adipate	1									Final report 09/2015 available from CIR
Starch Diethylaminoethyl Ether	1									Final report 09/2015 available from CIR
Starch Hydroxypropyltrimonium Chloride	1									Final report 09/2015 available from CIR
Starch Laurate	1									Final report 09/2015 available from CIR
Starch Tallowate	1									Final report 09/2015 available from CIR
Steapyrium Chloride	1						0.1 to 3%			JACT 10(1):87-97, 1991; IJT 30(S2):73-127, 2011
Stearalkonium Chloride	1						up to 7%			JACT 1(2):57 -69, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Stearalkonium Hectorite (amended)	1						0.006 to 6%			IJT 32(S4):33-40, 2013; IJT 19(S2):91-98, 2000 (original report)
Stearamidopropyl Dimethicone	1						not in current use*			IJT 22(S2):11-35, 2003

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Stearth-100/PEG-136/HDI Copolymer	1									Final report 06/2016 available from CIR
Stearic Acid	1						greater than 50%			JACT 6(3):321-401, 1987 confirmed 06/05 IJT 25(S2), 2006
Stearoxy Dimethicone	1									IJT 22(S2):11- 35, 2003; Final report 12/2014 available from CIR
Stearoxymethicone/dimethicone Copolymer	1									Final report 12/2014 available from CIR
Stearoxytrimethylsilane	1									Final report 12/2016 available from CIR
Stearoyl Inulin	1									Final report 09/2015 available from CIR
Stearyl Acetate	1						0.2 to 0.5%			IJT 31(S1):112- 136, 2012
Stearyl Alcohol	1						up to 25%			JACT 4(5):1-29, 1985 confirmed 03/04 IJT 25(S2), 2006
Stearyl Benzoate	1						2%			IJT 31(3):342-372 (2012)
Stearyl citrate	1						0.007 to 12%			IJT 33 (S2): 16 -46, 2014
Stearyl Dimethicone	1						up to 6%			IJT 22(S2):11- 35, 2003
Stearyl Glycol	1						not in use at the time*			IJT 31 (S2): 147-168, 2012
Stearyl Glycyrrhetinate	1						up to 1%			IJT 26 (S2):79-112, 2007
Stearyl HDI/PEG-50 Copolymer	1									Final report 06/2016 available from CIR
Stearyl Methicone	1						up to 6%			IJT 22(S2):11-35, 2003
Sterculia Urens Gum	1									Final report 09/2015 available from CIR
Styrene/acrylates/dimethicone acrylate crosspolymer	1						not in use at the time*			IJT 33 (S2): 65-115, 2014
Styrene/acrylates/ethylhexyl acrylate/lauryl acrylate copolymer	1						not in current use*			Final report 09/2014 available from CIR
Styrene/Acrylates Copolymer	1									IJT 21(S3):1-50, 2002; Final report 09/2014 available from CIR
Styrene/butadiene copolymer	1									Final report 09/2014 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Styrene/isoprene copolymer	1						not in current use*			Final report 09/2014 available from CIR
Styrene/methylstyrene copolymer	1						not in current use*			Final report 09/2014 available from CIR
Styrene/stearyl methacrylate crosspolymer	1						not in current use*			Final report 09/2014 available from CIR
Styrene/va copolymer	1						not in current use*			Final report 09/2014 available from CIR
Styrene/vp copolymer	1									Final report 09/2014 available from CIR
Succinic Acid	1						up to 0.2% in leave-on; up to 26% in rinse- off			IJT 31 (S1):5-76, 2012
Sucralose	1									Final report 03/2014 available from CIR
Sucrose	1									Final report 03/2014 available from CIR
Sucrose Acetate/Stearate	1									Final report 12/2016 available from CIR
Sucrose Acetate Isobutyrate	1									Final report 12/2016 available from CIR
Sucrose Benzoate	1									Final report 12/2016 available from CIR
Sucrose Coccoate	1									Final report 12/2016 available from CIR
Sucrose Dilaurate	1									Final report 12/2016 available from CIR
Sucrose Dipalmitate	1									Final report 12/2016 available from CIR
Sucrose Distearate	1									Final report 12/2016 available from CIR
Sucrose Hexaerucate*	1									Final report 12/2016 available from CIR
Sucrose Hexaoleate/Hexapalmitate/Hexastearate	1									Final report 12/2016 available from CIR
Sucrose Hexapalmitate*	1									Final report 12/2016 available from CIR
Sucrose Laurate	1									Final report 12/2016 available from CIR
Sucrose Myristate	1									Final report 12/2016 available from CIR
Sucrose Octaacetate*	1									Final report 12/2016 available from CIR
Sucrose Oleate*	1									Final report 12/2016 available from CIR
Sucrose Palmitate	1									Final report 12/2016 available from CIR
Sucrose Palmitate/Stearate Or Sucrose Stearate-Palmitate Ester	1									Final report 12/2016 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Sucrose Pentaerucate*	1									Final report 12/2016 available from CIR
Sucrose Pentahydroxystearate*	1									Final report 12/2016 available from CIR
Sucrose Polybehenate	1									Final report 12/2016 available from CIR
Sucrose Polycottonseedate	1									Final report 12/2016 available from CIR
Sucrose Polylaurate	1									Final report 12/2016 available from CIR
Sucrose Polylinoleate*	1									Final report 12/2016 available from CIR
Sucrose Polyoleate	1									Final report 12/2016 available from CIR
Sucrose Polysoyate	1									Final report 12/2016 available from CIR
Sucrose Polystearate	1									Final report 12/2016 available from CIR
Sucrose Stearate	1									Final report 12/2016 available from CIR
Sucrose Tetrahydroxystearate*	1									Final report 12/2016 available from CIR
Sucrose Tetraisostearate	1									Final report 12/2016 available from CIR
Sucrose Tetrastearate Triacetate	1									Final report 12/2016 available from CIR
Sucrose Tribehenate*	1									Final report 12/2016 available from CIR
Sucrose Trilaurate	1									Final report 12/2016 available from CIR
Sucrose Tristearate	1									Final report 12/2016 available from CIR
Sulfonated Keratin	1									Final report 06/2016 available from CIR
Sunflower Seed Acid	1						not in use at the time*			Final report 03/11 available from CIR
Sweet Almond Amino Acids	1						not in current use*			IJT 33(S4):5-12, 2014
Synthetic Beeswax	1						up to 18%			JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Synthetic Fluorphlogopite	1						0.00002-67%			Final report 06/12 available from CIR
Synthetic Jojoba Oil (amended)	1						up to 0.1%			Amended Final Report 09/08 - available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Synthetic Wax	1						up to 29%			JACT 3(3):43-99, 1984 confirmed 06/03 IJT 24(S1):67-74, 2005
Talc	1									IJT 34(S1):66-129, 2015
Tall Oil Acid (amended)	1						up to 8%			IJT 28 (S3):252-258, 2009 JACT 8(4):769-776, 1989 (original report)
Tall oil sterol	1									Final report 12/2013 available from CIR
Tallow	1						greater than 50%			JACT 9(2):153-64, 1990 confirmed 06/06
Tallow Glyceride	1						up to 25%			JACT 9(2):153-64, 1990 confirmed 06/06
Tallow Glycerides	1									JACT 9(2):153-64, 1990 confirmed 06/06
Tamarindus Indica Seed Gum	1									Final report 09/2015 available from CIR
Tapioca Starch	1									Final report 09/2015 available from CIR
Tapioca Starch Crosspolymer	1									Final report 09/2015 available from CIR
t-Butyl Acetate	1						up to 10%			IJT 31(S1):112-136, 2012
t-Butyl Alcohol (Amended)	1						up to 0.5%			IJT 24 (2):1-20, 2005 (Amended) JACT 8(4):627-41, 1989 (Original Report)
TEA-Alginate	1									Final report 09/2015 available from CIR
TEA-Cocoyl-Hydrolyzed Collagen (formerly Triethanolamine-Coco-Hydrolyzed Animal Protein)	1						up to 50%			JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24 (S1):82-85, 2005
TEA-Dextrin Octenylsuccinate	1									Final report 09/2015 available from CIR
TEA-EDTA	1						not in current use*			IJT 21(S2):95- 142, 2002
Tetrahexyldecyl Ascorbate	1									Final report 06/2017 available from CIR
Tetrasodium EDTA	1						less than 1%			IJT 21(S2):95- 142, 2002
Theobroma Cacao (Cocoa) Seed Butter	1						0.000002 to 37%			Final report 03/11 available from CIR

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Ingredient Name or Group Name	Review Conclusion****						Explanation			Journal Citation †
	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Theobroma Grandiflorum Seed Butter	1						0.00005 to 7%			Final report 03/11 available from CIR
Threonine	1						0.00002 to 0.05%			IJT 32(S4):41-64, 2013
Tin(IV) Oxide	1						0.000003 to 1.3%			IJT 33(S4):40-46, 2014
Tocopherol	1						less than or equal to 5%			IJT 21 (S3):51-116, 2002; Final report 03/2014 available from CIR
Tocophersolan	1						less than or equal to 0.2%			IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Acetate	1						less than or equal to 36% (100% in Vitamin E oil)			IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Linoleate	1						less than or equal to 2%			IJT 21(S3):51- 116, 2002; Final report 03/2014 available from CIR
Tocopheryl Linoleate/Oleate	1						not in current use*			IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocopheryl Nicotinate	1						less than or equal to 1%			IJT 21(S3):51 -116, 2002; Final report 03/2014 available from CIR
Tocopheryl Phosphate	1						not in current use*			Final report 03/2014 available from CIR
Tocopheryl Succinate	1						concentration not reported*			IJT 21(S3):51-116, 2002; Final report 03/2014 available from CIR
Tocotrienols	1									Final report 03/2014 available from CIR
Toluene	1						up to 50% in nail care products			JACT 6(1):77-120, 1987 confirmed 03/05 IJT 25(S2), 2006
Toluene-2,5-Diamine (amended)	1						up to 3%			JACT 11(4):423-45, 1992 (original report); IJT 29(S2):61-83, 2010
Toluene-2,5-Diamine Sulfate (amended)	1						up to 4%			JACT 11(4):423-45, 1992 (original

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
										report); IJT 29(S2):61-83, 2010
Toluenesulfonamide/Formaldehyde Resin (aka Tosylamide/Formaldehyde Resin)	1						up to 13%			JACT 5(5):471-490, 1986 confirmed 09/04 IJT 25(S2), 2006
Toluenesulfonamide/Formaldehyde Resin-80	1						not in current use*			JACT 5(5):471-490, 1986 confirmed 09/04 IJT 25(S2), 2006
Toluene Sulfonic Acid	1						not in current use*			IJT 30(S3):270-283, 2011
Torreya Nucifera Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Tragacanth (Astragalus Gummiifer) Gum	1						up to 3%			JACT 6(1):1-22, 1987 confirmed 09/04 IJT 25(S2), 2006
Trehalose	1									Final report 03/2014 available from CIR
Trehalose Isostearate Esters	1									Final report 12/2016 available from CIR
Trehalose Undecylenoate	1									Final report 12/2016 available from CIR
Triacetin	1						up to 4%			IJT 22(S2):1-10, 2003
Triarachidin	1						not in current use*			IJT 20 (S4):61-94, 2001
Tribehenin	1						up to 6%			IJT 20(S4):61-94, 2001
Tributyl citrate	1						0.0005 to 9%			IJT 33 (S2): 16-46, 2014
Tri-C12-13 alkyl citrate	1						concentration not reported*			IJT 33 (S2): 16-46, 2014
Tri-C14-15 alkyl citrate	1						0.1 to 5% in leave- on			IJT 33 (S2): 16-46, 2014
Tricaprin	1						not in current use*			IJT 20(S4):61- 94, 2001
Tricaprylin	1						concentration not reported*			IJT 20(S4):61-94, 2001
Tricaprylyl citrate	1						0.3 to 27%			IJT 33 (S2): 16-46, 2014
Trichloroethane	1						safe as a solvent, but not in use at the time; EPA has banned all but essential uses and FDA has said that aerosol uses are not essential			IJT 27(S4): 107-138, 2008
Triclosan	1						0.04 to 0.3%			Final report 12/10 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Trierucin	1						not in current use*			IJT 20(S4):61-94, 2001
Triethanolamine Cocoyl Hydrolyzed Collagen (formerly Triethanolamine-Coco-Hydrolyzed Animal Protein)	1						up to 50%			JACT 2(7):75-86, 1983 confirmed 11/02 IJT 24 (S1):82-85, 2005
Triethoxycaprylylsilane	1									Final report 12/2016 available from CIR
Triethyl Citrate	1						0.0008 to 6%			IJT 33 (S2): 16-46, 2014
Triethylene Glycol	1						0.0006 to 0.2%			Amended Final Report 06/10 - available from CIR
Triethylhexanoin (aka Trioctanoin) Triisononanoin	1						concentration not reported*			IJT 20(S4):61-94, 2001
Triethylhexyl citrate	1						concentration not reported*			IJT 33 (S2): 16-46, 2014
Trifluoropropyl dimethicone/PEG-10 crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Trifluoropropyl dimethicone/trifluoropropyl divinylmethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Trifluoropropyl dimethicone/vinyl trifluoropropyl dimethicone/silsesquioxane crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Trigonella foenum-graecum hydroxypropyltrimonium chloride	1						not in current use*			IJT 34 (S1): 35-65, 2015
Triheptanoin	1						not in current use*			IJT 20 (S4):61-94, 2001
Triheptylundecanoin	1						not in current use*			IJT 20(S4):61-94, 2001
Trihexyldecyl citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Trihydroxystearin	1						up to 5%			IJT 19(S1):89-94, 2000
Triisocetyl citrate	1						0.6to 3% in leave-on			IJT 33 (S2): 16-46, 2014
Triisopalmitin	1						not in current use*			IJT 20 (S4):61-94, 2001
Triisopropyl Citrate	1						not in current use*			IJT 33 (S2): 16-46, 2014
Triisostearin	1						less than 40%			IJT 20(S4):61-94, 2001
Triisostearyl citrate	1						0.3 to 80% in leave-on, concentration not reported for rinse-off			Final report 03/12 available from CIR
Trilaurin	1						less than 50%			IJT 20(S4):61-94, 2001
Trilauryl citrate	1						not in current use*			Final report 03/12 available from CIR

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Trilinolein	1						concentration not reported*			IJT 20(S4):61-94, 2001
Trimethoxycaprylylsilane	1									Final report 12/2016 available from CIR
Trimethyl Pentanyl Diisobutyrate	1									Final report 09/2017 available from CIR
Trimethylsiloxysilicate/ dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Trimethylsiloxysilicate/dimethiconol crosspolymer	1						up to 2%			Final report 12/10 available from CIR
Trimyristin	1						concentration not reported*			IJT 20(S4):61-94, 2001
Trioctyl dodecyl citrate	1						1 to 30% in leave- on			Final report 03/12 available from CIR
Triolein	1						not in current use*			IJT 20(S4):61- 94, 2001
Trioleyl citrate	1						not in current use*			Final report 03/12 available from CIR
Tripalmitin	1						concentration not reported*			IJT 20(S4):61-94, 2001
Tripalmitolein	1						not in current use*			IJT 20 (S4):61-94, 2001
Tripeptide-1	1									Final report 06/2014 available from CIR
Tripotassium EDTA	1						concentration not reported*			IJT 21(S2):95-142, 2002
Tripropylene Glycol	1							safe when formulated to be non- irritating		IJT 31(2) 245-260, 2012
Triricinolein	1						not in current use*			IJT 20 (S4):61-94, 2001
Trisodium EDTA	1						less than 1%			IJT 21(S2):95- 142, 2002
Trisodium Glycyrrhizate	1						not in current use*			IJT 26(S2):79-112, 2007
Trisodium HEDTA	1						less than 1%			IJT 21(S2):95- 142, 2002
Tristearin	1						concentration not reported*			IJT 20(S4):61-94, 2001
Tristearyl citrate	1						not in current use*			Final report 03/12 available from CIR
Triticum Aestivum (Wheat) Germ Oil	1						not in use at the time*			Final report 03/11 available from CIR
Triticum Vulgare (Wheat) Germ Oil	1						0.0001 to 28%			Final amended report 03/11 available from CIR; JEPT 4(4):33-45, 1980; re-review IJT 22(S1):1-35, 2003

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Triticum Vulgare (Wheat) Germ Oil Unsaponifiables	1						up to 0.2%			Final report 03/11 available from CIR
Triticum Vulgare (Wheat) Gluten	1						less than or equal to 1%			JEPT 4(4):5-17, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Triticum Vulgare (Wheat) Kernel Flour	1						up to 1%			JEPT 4(4):19-32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Triticum Vulgare(Wheat) Starch	1									JEPT 4(4):19-32, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003; Final report 09/2015 available from CIR
Triundecanoin	1						not in current use*			IJT 20 (S4):61-94, 2001
Tromethamine	1									Final report 09/2013 available from CIR
Tryptophan	1						0.00%			IJT 32(S4):41-64, 2013
Tyrosine	1						0.0005 to 1%			IJT 32(S4):41-64, 2013
Undecylenoyl Inulin	1									Final report 09/2015 available from CIR
Undecylenoyl xanthan gum	1						not in current use*			Final report 09/12 available from CIR
Urea	1						up to 10%			IJT 24(S3):1-56, 2005
VA/Crotonates Copolymer (formerly Vinyl Acetate/Crotonic Acid Copolymer)	1						up to 11%			JACT 2(5):125-140, 1983 confirmed 06/03 IJT 24 (S1):101-102, 2005
Vaccinium Corymbosum (Blueberry) Seed Oil	1						not in use at the time*			Final report 03/11 available from CIR
Vaccinium Macrocarpon (Cranberry) Seed Oil	1						0.002 to 2%			Final report 03/11 available from CIR
Vaccinium Myrtillus Seed Oil	1						0.01 to 0.1%			Final report 03/11 available from CIR
Vaccinium Vitis-Idaea Seed Oil	1						concentration not reported*			Final report 03/11 available from CIR
Valine	1						0.0004 to 1%			IJT 32(S4):41-64, 2013
Vegetable (Olus) Oil	1						0.0005 to 31%			Final report 03/11 available from CIR
Vegetable Amino Acids	1									IJT 33(S4):5-12, 2014
Vinyl Dimethicone	1						not in current use*			IJT 22 (S2):11-35, 2003

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Vinyl dimethicone/lauryl/behanyl dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Vinyl dimethicone/lauryl dimethicone crosspolymer	1						0.09 to 2%			IJT 33 (S2): 65-115, 2014
Vinyl dimethicone/methicone silsesquioxane crosspolymer	1						0.1 to 20%			IJT 33 (S2): 65-115, 2014
Vinyldimethyl/trimethylsiloxysilicate/dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Vinyldimethyl/trimethylsiloxysilicate stearyl dimethicone crosspolymer	1						not in current use*			IJT 33 (S2): 65-115, 2014
Vitis Vinifera (Grape)	1						0.10%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) bud extract	1						0.08%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) flower extract	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) fruit extract	1						0.000001 to 2%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) fruit powder	1						concentration not reported*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) fruit water	1						0.7 to 0.8%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) juice	1						0.01 to 2%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) juice extract	1						concentration not reported*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) leaf/seed/skin extract	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) leaf extract	1						0.01 to 3%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) leaf oil	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) leaf water	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) leaf wax	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) root extract	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) seed	1						0.05 to 0.08%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) seed extract	1						0.00002 to 0.2%l.			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Seed Oil	1						0.001 to 43%			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) Seed powder	1						concentration not reported*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) shoot extract	1						0.00%			IJT 33(S3):48-83, 2014

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Vitis Vinifera (Grape) skin extract	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) skin powder	1						not in current use*			IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) vine extract	1									IJT 33(S3):48-83, 2014
Vitis Vinifera (Grape) vine sap	1						not in current use*			IJT 33(S3):48-83, 2014
VP/VA Copolymer	1						up to 12%			JACT 2(5):141-59, 1983 confirmed 09/03
Welan Gum	1						not in current use*			Final report 09/12 available from CIR
Wheat Amino Acids	1									IJT 33(S4):5-12, 2014
Wheat Germ Acid	1						concentration not reported*			Final report 03/11 available from CIR
Wheat Germ Glycerides	1						up to 25%			JEPT 4(4):5- 17, 1980 confirmed 06/01 IJT 22(S1):1-35, 2003
Whey Protein	1									Final report 09/2017 available from CIR
Wild Yam (Dioscorea Villosa) Root Extract	1						up to 15% of max 2% plant solids			IJT 23(S2):49-54, 2004
Xanthan Gum	1						0.00001 to 6%			Final report 09/12 available from CIR
Xanthan Gum Crosspolymer	1						0.03 to 5%			Final report 09/12 available from CIR
Xanthan Hydroxypropyltrimonium chloride	1						not in current use*			Final report 09/12 available from CIR
Xylene Sulfonic Acid	1						not in current use*			IJT 30(S3):270-283, 2011
Xylityl Sesquicaprylate*	1									Final report 12/2016 available from CIR
Xylobiose	1									Final report 03/2014 available from CIR
Xyloglucan	1									Final report 09/2015 available from CIR
Xylose	1									Final report 03/2014 available from CIR
Yeast amino acids	1						not in current use*			IJT 33(S4):5-12, 2014
Zea Mays (Corn) Cob Meal	1						up to 3%			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Cob Powder	1						up to 10%			IJT 30 (S1): 17-39, 2011

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Zea Mays (Corn) Fruit	1						not in current use*			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Germ Extract	1						concentration not reported*			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Germ Oil	1						0.2 to 25%			Final amended report 03/11 available from CIR; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Gluten Protein	1						0.03 to 0.1%			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Kernel Extract	1						up to 0.5%			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Kernel Meal	1						up to 3%			Final amended report 03/11 available from CIR; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Oil	1						up to 14%			Final amended report 03/11 available from CIR; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Oil Unsaponifiables	1						concentration not reported*			Final amended report 03/11 available from CIR; IJT 30 (S1): 17-39, 2011 (original)
Zea Mays (Corn) Seed Flour	1						concentration not reported*			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Silk Extract	1						up to 0.1%			IJT 30 (S1): 17-39, 2011
Zea Mays (Corn) Starch	1						up to 99%			IJT 30 (S1): 17-39, 2011
Zeolite	1						not in current use*			IJT 22(S1):37- 102, 2003
Zinc Acetate	1						concentration not reported*			IJT 31(S1):112-136, 2012
Zinc borosilicate	1						not in current use*			IJT 32(S3): 65-72, 2013
Zinc citrate	1						0.05% in leave-on; 0.3 to 2% in rinse-off			IJT 33 (S2): 16-46, 2014
Zinc Coco-Sulfate	1						not in current use*			IJT 29(S2): 115-132, 2010
Zinc Hydrolyzed Collagen*	1									Final report 09/2017 available from CIR
Zinc Myristate	1						up to 20%			IJT 29(S3) :162-186,2010

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	S	SQ	I	Z	U	UNS	Other limitation on use for S conclusion	Other limitation on use for SQ conclusion	Safety concern for U or UNS conclusion	
Zinc Phenolsulfonate	1						up to 4%			JACT 5(5):373-90, 1986 confirmed 06/04 IJT 25(S2), 2006
Zinc Ricinoleate	1						up to 2%			IJT 26(S3): 31-77 2007
Zinc Stearate	1						up to 51%			JACT 1(2):143-77, 1982 confirmed 11/01 IJT 22(S1):1-35, 2003
Zirconium Silicate	1						not in current use *			IJT 22(S1):37-102, 2003

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

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

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

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

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