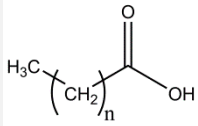



Final 2017 CIR Priority List with Ingredient Groupings

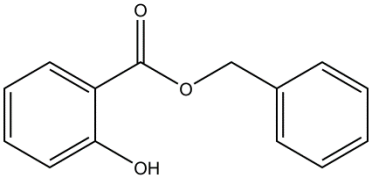
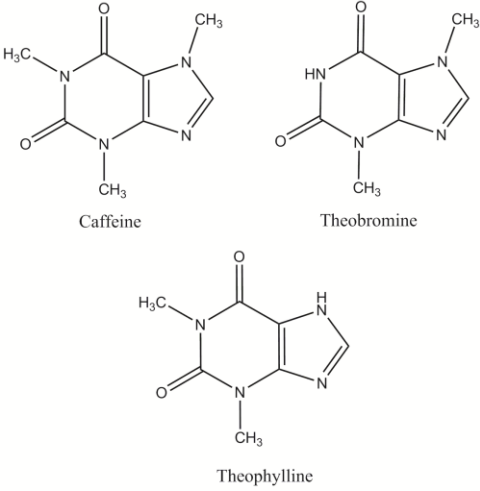
(CIR will choose from these groupings to create a feasible number of reports. Not all of these groupings will be acted upon in 2017)

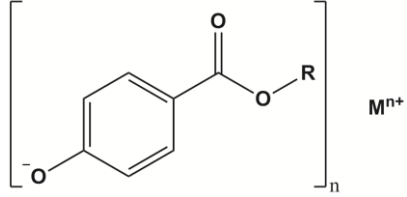
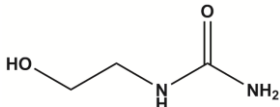
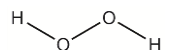
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
<p>Fatty Acids and Soaps (Fatty Acid Salts) ***(This grouping carried over from 2016)</p> <ul style="list-style-type: none"> LINOLEIC ACID 	551	<p>All of the ingredients in this report are structurally related as simply fatty acids and their simple inorganic salts (soaps).</p> <div style="text-align: center;">  </div> <p>Related Prior Reports (color coded when included): Arachidonic Acid - JACT 12(5):481-506, 1993 Fatty Acids and Sodium/Potassium Soaps from plant oils – Final Plant Oils Report 03/04/2011 Hydroxystearic Acid - IJT 18(S1):1-10, 1999 Isostearic Acid - IJT 24(Suppl. 1):1-102, 2005 (Not reopened; JACT 2(7):61-74, 1983) Oleic Acid, Lauric Acid, Palmitic Acid, Myristic Acid, and Stearic Acid - IJT 25(Suppl. 2) :1-89,2006 (Not reopened; JACT 6(3):321-401, 1987) Pelargonic Acid - IJT-30(SUPPL. 3)2011 Ricinoleic Acid - IJT 26(Suppl. 3):31-77, 2007 Lithium Stearate, Aluminum Distearate, Aluminum Stearate, Aluminum Tristearate, Ammonium Stearate, , Magnesium Stearate, Potassium Stearate, Sodium Stearate, and Zinc Stearate - IJT 22(Suppl. 1):1-35, 2003 (Not reopened; JACT 1(2):143-177, 1982) Aluminum dimyristate, Aluminum Isostearates/ Myristates, aluminum myristate, aluminum myristates/palmitates, calcium myristate, cetyl myristate, and magnesium myristate (and myristate)</p>	<ol style="list-style-type: none"> Aluminum Distearate (26) Aluminum Isostearate Aluminum Isostearates/ Palmitates Aluminum Isostearates/ Stearates Aluminum Isostearates/ Laurates/Palmitates Aluminum Isostearates/ Laurates/Stearates Aluminum Lanolate Aluminum Stearate (48) Aluminum Stearates (4) Aluminum Tristearate (7) Ammonium Isostearate Ammonium Oleate Ammonium Stearate (4) Arachidic Acid (3) Arachidonic Acid (14) Beeswax Acid Behenic Acid (130) C14-28 Alkyl Acid (18)* C10-40 Isoalkyl Acid C14-28 Isoalkyl Acid (18)* C32-36 Isoalkyl Acid Calcium Behenate (2) Calcium Laurate Calcium Stearate (370)

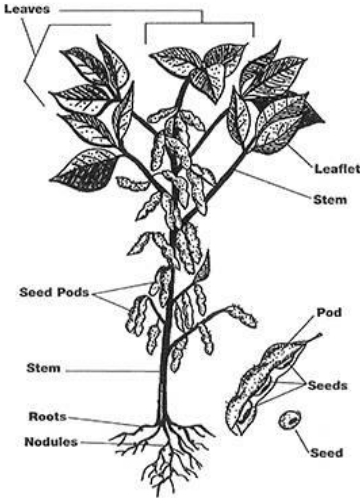
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add- ons (reported FOU) (Total # in Ingredient Group)
Fatty Acids and Soaps (continued)		esters) - IJT 29(Suppl. 3) :162-186,2010 DEA-Isostearate, DEA-Linoleate, DEA-Myristate, and DEA Stearate (and other DEA salts) – Final Report 2011 MEA-Undecylenate and MEA-Tallowate – Final Report 2012 TEA-Fatty Acid Salts - IJT 32(Suppl. 1):59-83, 2013	25. Calcium Undecylenate 26. Capric Acid (3) 27. Caproic Acid 28. Caprylic Acid (5) 29. Erucic Acid 30. Isomerized Linoleic Acid (19) 31. Isomerized Safflower Acid 32. Isostearic Acid (237) 33. Lauric Acid (454) 34. Linolenic Acid (176) 35. Lithium Stearate (91) 36. Magnesium Lanolate 37. Magnesium Laurate (9) 38. Magnesium Palmitate 39. Magnesium Stearate (569) 40. Magnesium Tallowate 41. Myristic Acid (323) 42. Oleic Acid (1075) 43. Ozonized Oleic Acid 44. Palmitic Acid (1141) 45. Potassium Behenate (5) 46. Potassium Borageate 47. Potassium Camelliate 48. Potassium Caprate 49. Potassium Caprylate 50. Potassium Caprylate/ Caprate 51. Potassium Castorate (2) 52. Potassium Hydrogenated Tallowate (1) 53. Potassium Isostearate (5) 54. Potassium Lanolate 55. Potassium Laurate (25) 56. Potassium Linoleate 57. Potassium Linseedate

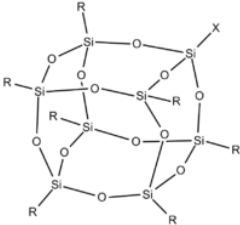
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add- ons (reported FOU) (Total # in Ingredient Group)
Fatty Acids and Soaps (continued)			58. Potassium Oleate (53) 59. Potassium Oliviate/ Sunflowerseedate 60. Potassium Palm Kernelate (17) 61. Potassium Palmitate 62. Potassium Stearate (123) 63. Potassium Sunflowerseedate 64. Potassium Tallate 65. Potassium Tallowate 66. Potassium Undecylenate 67. Sodium Arganate 68. Sodium Beeswax 69. Sodium Behenate (14) 70. Sodium Camellia Japonica Seedate 71. Sodium Caprate 72. Sodium Caprylate 73. Sodium Castorate (2) 74. Sodium Dilinoleate 75. Sodium Hydrogenated Tallowate 76. Sodium Isostearate (10) 77. Sodium Lanolate 78. Sodium Lardate 79. Sodium Laurate (76) 80. Sodium Laurate/Linoleate/ Oleate/Palmitate 81. Sodium Linoleate 82. Sodium Oleate (21) 83. Sodium Palmitate (83) 84. Sodium Stearate (557) 85. Sodium Tallowate (136) 86. Sodium Tamanuseedate 87. Sodium Undecylenate 88. Stearic Acid (5200)

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Fatty Acids and Soaps (continued)			89. Undecanoic Acid 90. Undecylenic Acid 91. Zinc Laurate (78) 92. Zinc Palmitate 93. Zinc Stearate (2119) 94. Zinc Undecylenate (1) (95)
Milk-Derived Protein and Peptide Ingredients *** (This grouping carried over from 2016, as a spin-off of the original "Hydrolyzed Proteins" report)	N/A	<p>This report grouping is the result of a decision by the CIR Expert Panel on a review strategy memo.</p> <p>The milk peptides, or milk protein derivatives, form a broad category of materials which are prepared by extraction from bovine milk and partial hydrolysis to yield cosmetic ingredients. There are numerous milk proteins, but the most prevalent are caseins (~79% of all milk proteins; the gelatinous material of the curd), and whey, wherein whey is primarily lactalbumin (~4%) and lactoglobulin (~10%). While other proteins exist in milk (e.g., enzymes, antibodies, and growth factors; all together comprise the other ~7%), the ingredients in this report predominantly comprise casein, lactalbumin, and/or lactoglobulin proteins.</p> 	1. Hydrolyzed Yogurt Protein (12) 2. Casein 3. Casein Extract 4. Calcium Caseinate 5. Ammonium Caseinate 6. Sodium Caseinate (3) 7. Potassium Caseinate 8. Sodium Hydrolyzed Casein 9. Hydrolyzed Casein 10. Hydrolyzed Lactalbumin 11. Milk Protein (28) 12. Milk Protein Extract (2) 13. Hydrolyzed Milk Protein (204) 14. Whey Protein (60) 15. Hydrolyzed Whey Protein 16. Lactoglobulin (1) (16)

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
BENZYL SALICYLATE	2617	<p>This ingredient is reported to function as a fragrance ingredient and assessed by RIFM in 2007 for that use. However this ingredient is also reported to function as a light stabilizer, a cosmetic function wherein the intent is to protect the product from deterioration induced by light.</p> 	N/A (1)
AMMONIUM HYDROXIDE & AMMONIA	1347 599	<p>In aqueous solutions/formulations, Ammonia is in equilibrium with Ammonium Hydroxide.</p> $\text{NH}_3 \xrightleftharpoons{\text{Water}} \text{NH}_4^+ \text{OH}^-$	N/A (2)
Xanthine Alkaloids <ul style="list-style-type: none"> • CAFFEINE 	927	<p>These three ingredients only differ by <i>N</i>-methyl group substitutions.</p>  <p style="text-align: center;">Caffeine Theobromine</p> <p style="text-align: center;">Theophylline</p>	1. Theobromine (1) 2. Theophylline (6) (3)

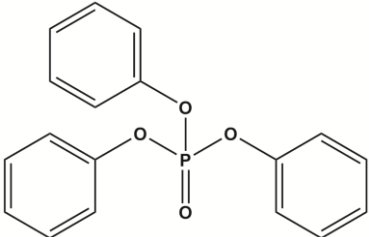
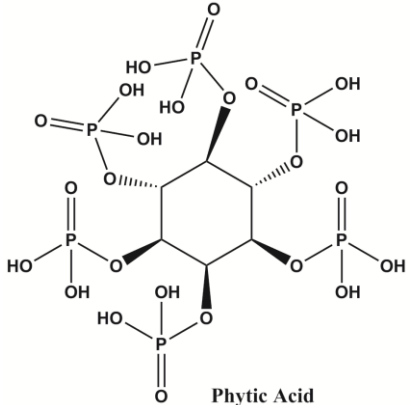
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Parabens <ul style="list-style-type: none"> Sodium Methylparaben 	436	<p>The free acids of these salt ingredients have been reviewed by the Expert Panel and found to be safe in the present practices and concentrations (IJT 27 (Suppl. 4):1-82, 2008).</p>  <p>wherein R is an alkyl group from 1 to 4 carbons long and M is sodium, potassium, or calcium</p>	<ol style="list-style-type: none"> 1. Calcium Paraben 2. Potassium Butylparaben 3. Potassium Ethylparaben 4. Potassium Methylparaben 5. Potassium Paraben 6. Potassium Propylparaben 7. Sodium Butylparaben (5) 8. Sodium Ethylparaben (35) 9. Sodium Isobutylparaben (1) 10. Sodium Isopropyl-paraben 11. Sodium Paraben 12. Sodium Propylparaben (141) 13. Methylparaben (13710) 14. Ethylparaben (4685) 15. Propylparaben (10582) 16. Isopropylparaben (331) 17. Butylparaben (4742) 18. Isobutylparaben (2377) 19. Benzylparaben <p style="text-align: right;">(20)</p>
HYDROXYETHYL UREA	430	<p>Hydroxyethyl Urea is a synthetic, humectant, discrete small molecule ingredient.</p> 	N/A (1)
HYDROGEN PEROXIDE	409	<p>Hydrogen Peroxide is the inorganic oxide that conforms to the formula:</p>  <p>In the United States, Hydrogen Peroxide may be used as an active ingredient in OTC drug products.</p>	N/A (1)



Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Soy-Derived Ingredients <ul style="list-style-type: none"> GLYCINE MAX (SOYBEAN) SEED EXTRACT 	387	<p>These ingredients are derived from soy, but exclude those previously reviewed in the reports on plant oils, soy proteins and peptides, and phytosterols.</p> 	<ol style="list-style-type: none"> Glycine Max (Soybean) Callus Culture Glycine Max (Soybean) Callus Culture Extract Glycine Max (Soybean) Callus Extract Glycine Max (Soybean) Fiber Glycine Max (Soybean) Flower/Leaf/Stem Juice Glycine Max (Soybean) Leaf Cell Extract Glycine Max (Soybean) Leaf Extract Glycine Max (Soybean) Phytoplacenta Conditioned Media Glycine Max (Soybean) Phytoplacenta Extract Glycine Max (Soybean) Pulp Glycine Max (Soybean) Seedcake Extract Glycine Max (Soybean) Seedcoat Extract Glycine Max (Soybean) Seed Powder Glycine Max (Soybean) Sprout Extract Glycine Soja (Soybean) Extract (6)

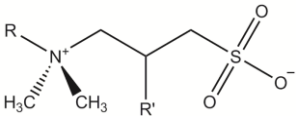
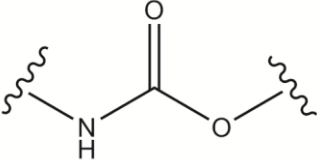
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Soy-Derived Ingredients (continued)			16. Glycine Soja (Soybean) Fiber 17. Glycine Soja (Soybean) Flour (39) 18. Glycine Soja (Soybean) Germ Extract (39) 19. Glycine Soja (Soybean) Hull 20. Glycine Soja (Soybean) Lipids 21. Glycine Soja (Soybean) Phytoplacenta Extract (9) 22. Glycine Soja (Soybean) Seed 23. Glycine Soja (Soybean) Seedcake Extract 24. Glycine Soja (Soybean) Seed Extract 25. Glycine Soja (Soybean) Seed Powder 26. Glycine Soja (Soybean) Seed Water 27. Glycine Soja (Soybean) Sprout Extract (28)
Polysilsesquioxanes <ul style="list-style-type: none"> POLYMETHYLSILSESQUIOXANE 	376	<p>The ingredients in this group comprise the polymeric ingredients resulting from the hydrolysis and condensation of alkylalkoxysilanes. These polymers siloxy polymers typically comprise three-dimensional frameworks.</p> 	1. Acryloyloxypropyl Polysilsesquioxane 2. C26-28 Alkyldimethylsilyl Polypropylsilsesquioxane 3. C30-45 Alkyldimethylsilyl Polypropylsilsesquioxane (12) 4. Dimethicone/ Silsesquioxane Copolymer (7) 5. Dimethiconol/Caprylyl-silsesquioxane/Silicate

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Polysilsesquioxanes (continued)		<p>Four such ingredients have been previously reviewed by CIR :</p> <ul style="list-style-type: none"> • Dimethicone/Divinyldimethicone/Silsesquioxane Crosspolymer • Dimethiconol/Silsesquioxane Copolymer • Methoxy PEG-13 Ethyl Polysilsesquioxane • Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer 	<p>Crosspolymer</p> <ol style="list-style-type: none"> 6. Ethyl Polysilsesquioxane 7. Hydrogen Dimethicone/ Octyl Silsesquioxane Copolymer (3) 8. Isobutyl Polysilsesquioxane 9. Methacryloyloxypropyl Polysilsesquioxane 10. Polycaprylyl-silsesquioxane (3) 11. Polydimethylsiloxy PEG/ PPG-24/19 Butyl Ether Silsesquioxane 12. Polydimethylsiloxy PPG-13 Butyl Ether Silsesquioxane 13. Polymethyl-silsesquioxane/ Trimethylsiloxysilicate 14. Polypropylsilsesquioxane (10) 15. Trimethylpentyl Polysilsesquioxane 16. Trimethylpentyl Polysilsesquioxane <p style="text-align: right;">(17)</p>
Fluoropolymers <ul style="list-style-type: none"> • PTFE 	373	<p>The ingredients in this grouping are each fluorinated polymers.</p> $\text{H} \left[\begin{array}{c} \\ \text{F} \\ \\ \text{---} \\ \\ \text{F} \end{array} \text{---} \left[\begin{array}{c} \\ \text{F} \\ \\ \text{---} \\ \\ \text{F} \end{array} \right] \text{---} \text{H} \right]_n$ <p style="text-align: center;">PTFE</p>	<ol style="list-style-type: none"> 1. Acrylates/Methoxy PEG-23 Methacrylate/ Perfluorooctyl Ethyl Acrylate Copolymer 2. Acrylates/Perfluorohexylethyl Methacrylate Copolymer 3. Behenyl Methacrylate/ Perfluorooctylethyl Methacrylate Copolymer

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add- ons (reported FOU) (Total # in Ingredient Group)
Fluoropolymers (continued)			<ol style="list-style-type: none"> 4. C6-14 Perfluoroalkylethyl Acrylate/HEMA Copolymer 5. Hexafluoropropylene/Tetrafluoroethylene Copolymer 6. PEG-10 Acrylate/Perfluorohexylethyl Acrylate Copolymer 7. Polychlorotrifluoro-ethylene 8. Polyperfluoroethoxy-methoxy Difluoroethyl PEG Diisostearate 9. Polyperfluoroethoxy-methoxy Difluoroethyl PEG Ether 10. Polyperfluoroethoxy-methoxy Difluoroethyl PEG Ether Diisostearate 11. Polyperfluoroethoxy-methoxy Difluorohydroxyethyl Ether 12. Polyperfluoroethoxy-methoxy Difluoromethyl Ether 13. Stearyl Methacrylate/Perfluorooctylethyl Methacrylate Copolymer <p style="text-align: right;">(14)</p>

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
TRIPHENYL PHOSPHATE	353	<p>While this ingredient has risen to a high enough frequency of use to be within the CIR Priorities scope for 2017, review of this ingredient “for cause” may also be considered timely, as there has been some press about its use in nail polishes recently.</p> 	N/A (1)
Cyclic Polyol Phosphates <ul style="list-style-type: none"> SODIUM PHYTATE 	330	<p>The ingredients in this report are each the phosphate of a cyclic polyol (e.g., a monosaccharide or “sugar alcohol”) or a salt thereof.</p>  <p style="text-align: center;">Phytic Acid</p>	<ol style="list-style-type: none"> 1. Phytic Acid (88) 2. Disodium Glucose Phosphate 3. Manganese Fructose Diphosphate 4. Phytin 5. Sodium Mannose Phosphate (34) 6. Trisodium Fructose Diphosphate 7. Trisodium Inositol Triphosphate 8. Xylityl Phosphate 9. Zinc Fructose Diphosphate <p style="text-align: right;">(10)</p>

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Witch Hazel-Derived Ingredients <ul style="list-style-type: none"> HAMAMELIS VIRGINIANA (WITCH HAZEL) WATER 	328	All of the ingredients in this group are botanical mixtures derived from <i>Hamamelis virginiana</i> . 	<ol style="list-style-type: none"> 1. Hamamelis Virginiana (Witch Hazel) Bark/Leaf Extract (102) 2. Hamamelis Virginiana (Witch Hazel) Bark/Leaf/Twig Extract 3. Hamamelis Virginiana (Witch Hazel) Bark/Twig Extract 4. Hamamelis Virginiana (Witch Hazel) Extract (307) 5. Hamamelis Virginiana (Witch Hazel) Flower Water (41) 6. Hamamelis Virginiana (Witch Hazel) Leaf Extract (189) 7. Hamamelis Virginiana (Witch Hazel) Leaf Water <p style="text-align: right;">(8)</p>
Eucalyptus <ul style="list-style-type: none"> EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF OIL 	319	All of the ingredients in this group are botanical mixtures derived from <i>Eucalyptus globulus</i> . 	<ol style="list-style-type: none"> 1. Eucalyptus Globulus Leaf 2. Eucalyptus Globulus Leaf Extract (83) 3. Eucalyptus Globulus Leaf Powder (2) 4. Eucalyptus Globulus Leaf/Twig Oil 5. Eucalyptus Globulus Leaf Water <p style="text-align: right;">(6)</p>



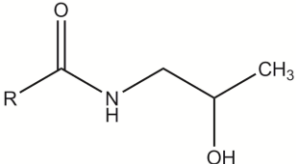
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<p>Sultaines</p> <ul style="list-style-type: none"> COCAMIDOPROPYL HYDROXYSULTAINE 	313	<p>All of the ingredients in this group comprise a core sultaine structure.</p>  <p>wherein R is alkyl or alkylamidopropyl, and R' is hydrogen or hydroxyl</p>	<ol style="list-style-type: none"> 1. Capryl Sultaine 2. Cetyl/Lauryl/Myristyl Hydroxysultaine 3. Coco-Hydroxysultaine 4. Coco-Sultaine 5. Erucamidopropyl Hydroxysultaine (1) 6. Lauramidopropyl Hydroxysultaine 7. Lauryl Hydroxysultaine (8) 8. Lauryl Sultaine (2) 9. Myristamidopropyl Hydroxysultaine 10. Myristyl Sultaine 11. Oleamidopropyl Hydroxysultaine 12. Tallowamidopropyl Hydroxysultaine
<p>Polyurethanes</p> <ul style="list-style-type: none"> POLYURETHANE-11 	300	<p>The copolymer ingredients in this report comprise carbamate (i.e., urethane) linkages within the respective polymer backbone. Polyurethanes are formed by reacting a polyol (e.g., a glycol) with a diisocyanate or polyisocyanate.</p>  <p>urethane linkage</p>	<ol style="list-style-type: none"> 1. Polyurethane-1 (19) 2. Polyurethane-2 (14) 3. Polyurethane-4 4. Polyurethane-5 5. Polyurethane-6 (17) 6. Polyurethane-7 (14) 7. Polyurethane-8 (1) 8. Polyurethane-9 (1) 9. Polyurethane-10 10. Polyurethane-12 11. Polyurethane-13


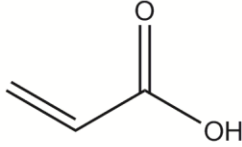
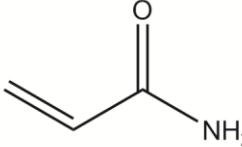
(13)


Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add- ons (reported FOU) (Total # in Ingredient Group)
Polyurethanes (continued)			12. Polyurethane-14 (31) 13. Polyurethane-15 (2) 14. Polyurethane-16 (1) 15. Polyurethane-17 16. Polyurethane-18 (11) 17. Polyurethane-19 18. Polyurethane-20 19. Polyurethane-21 20. Polyurethane-23 21. Polyurethane-24 22. Polyurethane-25 23. Polyurethane-26 24. Polyurethane-27 25. Polyurethane-28 26. Polyurethane-29 27. Polyurethane-32 28. Polyurethane-33 (24) 29. Polyurethane-34 (6) 30. Polyurethane-35 (10) 31. Polyurethane-36 32. Polyurethane-39 (8) 33. Polyurethane-40 (8) 34. Polyurethane-41 35. Polyurethane-42 36. Polyurethane-43 37. Polyurethane-44 38. Polyurethane-45 39. Polyurethane-46 40. Polyurethane-47


Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add- ons (reported FOU) (Total # in Ingredient Group)
Polyurethanes (continued)			41. Polyurethane-48 42. Polyurethane-49 43. Polyurethane-50 44. Polyurethane-51 45. Polyurethane-52 46. Polyurethane-53 47. Polyurethane-54 48. Polyurethane-55 49. Polyurethane-56 50. Polyurethane-57 51. Polyurethane-58 52. Polyurethane-59 53. Polyurethane-60 54. Polyurethane-61 55. Polyurethane-62 56. Polyurethane-63 57. Polyurethane-64 58. Polyurethane-65 59. Polyurethane-66 60. Polyurethane-67 61. Polyurethane-68 62. Polyurethane-69 63. Polyurethane-70 64. Polyurethane-71 65. Polyurethane-72 (66)

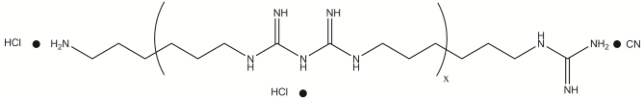
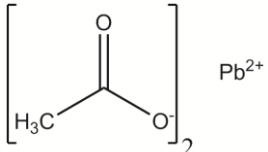
Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
<p>Zinc Salts</p> <ul style="list-style-type: none"> ZINC GLUCONATE 	287	<p>These ingredients are zinc salts. Read-across is not being proposed for this grouping. However, it may still be more efficient to assess the safety of these ingredients which share a zinc cation, than assessing them separately.</p> <p>Zinc Acetate, Zinc Citrate, Zinc Ricinoleate and many of the salt anions (or their free acids) have been previously assessed for safety by the CIR Expert Panel:</p> <ul style="list-style-type: none"> Zinc Acetate IJT 31(Suppl. 1):112-136, 2012 Gluconic Acid, Final Report yr 2014 Ascorbic Acid IJT-24(SUPPL. 2)2005 Aspartic Acid, Cysteine, Glutamine, and Glycine IJT-32(SUPPL. 4)2013 Carbonate Salts assessment started yr. 2016 Zinc Citrate IJT-33(SUPPL. 2)2014 Hexametaphosphate and Phosphate assessment started yr. 2016 Hydroxide Salts, Final Report yr 2015 Lactic Acid IJT 17(S1):1-241, 1998 Lauric Acid and Palmitic Acid IJT 25(Suppl. 2) :1-89,2006 Myristic Acid IJT 29(Suppl. 3) :162-186,2010 Zinc Ricinoleate IJT-26(SUPPL. 3)2007 Salicylic Acid IJT 22(Suppl 3):1-108, 2003 Stearic Acid JACT 6(3):321-401, 1987 Sodium Sulfate assessment started yr. 2016 <p>Some of these ingredients may have safety assessments for other uses, ex.:</p> <ul style="list-style-type: none"> Zinc Chloride OTC Drug 	<ol style="list-style-type: none"> Zinc Acetate (2) Zinc Ascorbate Zinc Ascorbate Hydroxide Zinc Aspartate (25) Zinc Carbonate (2) Zinc Carbonate Hydroxide Zinc Chloride (75) Zinc Chloride Hydroxide Zinc Citrate (7) Zinc Cysteinate Zinc Glutamate Zinc Glycinate Zinc Hexametaphosphate Zinc Hydroxide (2) Zinc Lactate (1) Zinc Laurate (84) Zinc Myristate (58) Zinc Neodecanoate Zinc Nitrate Zinc Palmitate Zinc Phosphate Zinc Ricinoleate (27) Zinc Salicylate Zinc Stearate (2212) Zinc Sulfate (81) Zinc Sulfide (9) Zinc Undecylenate (1) <p>(28)</p>

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Palm Tree-Derived Ingredients <ul style="list-style-type: none"> EUTERPE OLERACEA FRUIT EXTRACT 	282	<p>The ingredients in this group are each derived from the species <i>Euterpe</i> (palm trees).</p>  <p>Euterpe Oleracea Fruit Oil was recently review by the Expert Panel (yr. 2011)</p>	<ol style="list-style-type: none"> Euterpe Edulis Fruit Extract Euterpe Edulis Juice Extract Euterpe Oleracea Juice Euterpe Oleracea Palm Heart Extract (3) Euterpe Oleracea Pulp Powder (14) Euterpe Oleracea Seed Powder Hydrolyzed Euterpe Oleracea Fruit <p>(8)</p>
Scutellaria baicalensis-Derived Ingredients <ul style="list-style-type: none"> SCUTELLARIA BAICALENSIS (CHINESE SKULLCAP) ROOT EXTRACT 	280	<p>The ingredients in this group are each derived from <i>Scutellaria baicalensis</i>.</p> 	<ol style="list-style-type: none"> Scutellaria Baicalensis Extract (97) Scutellaria Baicalensis Root Powder <p>(3)</p>
Alkyl Amide MIPA Ingredients <ul style="list-style-type: none"> LAURAMIDE MIPA 	274	<p>The ingredients in this group are each an MIPA (mixture of isopropanol amides) of a simple carboxylic acid.</p>  <p>(one example of an "iso") wherein R is fatty chain</p>	<ol style="list-style-type: none"> Cocamide MIPA (236) Coconut Oil MIPA Amides Hydroxyethyl Stearamide-MIPA Isostearamide MIPA (7) Linoleamide MIPA Myristamide MIPA Oleamide MIPA (67) Palmamide MIPA Palm Kernelamide MIPA Ricinoleamide MIPA Stearamide MIPA MIPA- Myristate <p>(13)</p>

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
<p><i>Carica papaya</i>-Derived Ingredients</p> <ul style="list-style-type: none"> CARICA PAPAYA (PAPAYA) FRUIT EXTRACT 	273	<p>The ingredients in this group are each derived from <i>Carica papaya</i>.</p> 	<ol style="list-style-type: none"> 1. Carica Papaya (Papaya) Fruit (4) 2. Carica Papaya (Papaya) Juice 3. Carica Papaya (Papaya) Fruit Water 4. Carica Papaya (Papaya) Leaf Extract (1) 5. Carica Papaya (Papaya) Seed Oil (6) <p style="text-align: right;">(6)</p>
<p>Acrylate / Acrylamide Copolymers</p> <ul style="list-style-type: none"> ACRYLATES/OCTYLACRYLAMIDE COPOLYMER 	270	<p>The ingredients in this group are each acrylate / acrylamide copolymers.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>acrylic acid</p> </div> <div style="text-align: center;">  <p>acrylamide</p> </div> </div>	<ol style="list-style-type: none"> 1. Acrylamide/Sodium Acrylate Copolymer (31) 2. Acrylates/Acrylamide Copolymer 3. Acrylates/t-Butylacrylamide Copolymer (11) 4. Acrylates/ Methacrylamide Copolymer 5. Acrylamide/ Hydroxyethylacrylate Copolymer 6. t-Butylacrylamide/ Dimethylacrylamide/ PEG-14 Diacrylate Crosspolymer 7. Butyl Acrylate/ Isopropylacrylamide/ PEG-18 Dimethacrylate Crosspolymer 8. Corn Starch/Acrylamide/ Sodium Acrylate Copolymer (3)

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Acrylate / Acrylamide Copolymers (continued)			9. Dimethyl Acrylamide/ Hydroxyethyl Acrylate/ Methoxyethyl Acrylate Copolymer (2) 10. Dimethylacrylamide/ Lauryl Methacrylate Copolymer 11. Potassium Acrylates/ Acrylamide Copolymer 12. Sodium Acrylate/ Hydroxyethyl Acrylamide Copolymer 13. Starch/Acrylates/ Acrylamide Copolymer (14)
Wheat-Derived Ingredients <ul style="list-style-type: none"> • TRITICUM VULGARE (WHEAT) GERM EXTRACT 	270	<p>The ingredients in this report are derived from wheat, but exclude those recently reviewed such as the hydrolyzed proteins and oils.</p>  <p>Triticum Vulgare (Wheat) Starch was recently reviewed by the Expert Panel (yr. 2105)</p>	<ol style="list-style-type: none"> 1. Triticum Aestivum (Wheat) Flour Lipids 2. Triticum Aestivum (Wheat) Germ Extract 3. Triticum Aestivum (Wheat) Leaf Extract 4. Triticum Aestivum (Wheat) Peptide 5. Triticum Aestivum (Wheat) Seed Extract 6. Triticum Monococcum (Wheat) Seed Extract 7. Triticum Monococcum (Wheat) Stem Water 8. Triticum Turgidum Durum (Wheat) Seed Extract 9. Triticum Vulgare/ Aestivum (Wheat) Grain Extract 10. Triticum Vulgare (Wheat) Bran (20) 11. Triticum Vulgare (Wheat) Bran

Group/INGREDIENT NAME	FOU Yr.2016	Structure/Formula/Description/Rationale	Ingredient Group Potential Add-ons (reported FOU) (Total # in Ingredient Group)
Wheat-Derived Ingredients (continued)			Extract (74) 12. Triticum Vulgare (Wheat) Flour Extract (2) 13. Triticum Vulgare (Wheat) Flour Lipids (15) 14. Triticum Vulgare (Wheat) Germ (4) 15. Triticum Vulgare (Wheat) Germ Powder 16. Triticum Vulgare (Wheat) Germ Protein 17. Triticum Vulgare (Wheat) Protein (98) 18. Triticum Vulgare (Wheat) Seed Extract (72) 19. Triticum Vulgare (Wheat) Sprout Extract (2) 20. Triticum Vulgare (Wheat) Straw Water (21)
Vanilla-Derived Ingredients <ul style="list-style-type: none"> • VANILLA PLANIFOLIA FRUIT EXTRACT 	268	The ingredients in this group are each derived from <i>Vanilla</i> . 	1. Vanilla Planifolia Flower Extract (5) 2. Vanilla Planifolia Fruit Oil (40) 3. Vanilla Planifolia Fruit Water (2) 4. Vanilla Planifolia Leaf Cell Extract 5. Vanilla Planifolia Seed 6. Vanilla Planifolia Seed Powder (9) 7. Vanilla Tahitensis Fruit (32) 8. Vanilla Tahitensis Fruit Extract (21) 9. Vanilla Tahitensis Seed (10)

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POLYAMINOPROPYL BIGUANIDE	132	<p>Added for cause (excerpted strategy memo): “...this ingredient has come to our attention as being considered “not safe for consumers when used as a preservative in all cosmetic products up to the maximum concentration of 0.3%,” by the European Commission’s Scientific Committee on Consumer Safety (SCCS). The SCCS further recited in their report that, “safe use could be based on a lower use concentration and/or restrictions with regard to cosmetic products' categories. Dermal absorption studies on additional representative cosmetic formulations are needed.”</p> 	N/A (1)
LEAD ACETATE	5	<p>Added for cause, upon request by the US FDA, this hair color ingredient, is an inorganic salt</p> 	N/A (1)

(Potential # of Ingredients: 389) 25 proposed new reports (2 rescheduled from the 2016 Priorities) to select from for 2017

