

CAS Number	Chemical Name	PCP	FR	Cancer	Mammary	Endocrine	Reproductive/ Developmental	Neurotoxicity	Health Outcomes of Greater Concern to Black Women	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list
100-42-5	Styrene (Cinnamene)	○	○	IARC Probable NTP RA Prop 65	SSI Mammary	EU Category 1	GHS 361d		○	AOEC RS	GHS 315	GHS 319	NZ GHS 9.1A		○	○
13463-67-7	Titanium Dioxide (TiO2) (Only in PCPs that can be inhaled)	○	○	IARC Possible											○	○
91-20-3	Naphthalene	○	○	IARC Possible NTP RA Prop 65					○				GHS 410		○	○
75-07-0	Acetaldehyde	○	○	IARC Possible NTP RA Prop 65								GHS 319	GHS 411		○	○
98-82-8	Cumene		○	IARC Possible NTP RA Prop 65									GHS 411 GHS 412			○
25013-16-5	Butylated hydroxyanisole (BHA)	○	○	IARC Possible NTP RA Prop 65											○	○
93-15-2	Eugenyl methyl ether (Methyleugenol)	○	○	IARC Possible NTP RA Prop 65	SSI Mammary						GHS 315	GHS 319	GHS 411		○	○
123-91-1	1,4-Dioxane	○	○	IARC Possible NTP RA Prop 65	SSI Mammary			GHS H336				GHS 319				○
119-61-9	Benzophenone	○	○	IARC Possible Prop 65					○		GHS 315	GHS 319	GHS 410 GHS 411 GHS 412		○	○

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89-82-7	Pulegone	○	○	IARC Possible Prop 65			GHS 361f								○	
108-10-1	Methyl isobutyl ketone (MIBK)		○	IARC Possible Prop 65			Prop 65	GHS 336				GHS 319			○	○
75-09-2	Dichloromethane (methylene chloride)	○	○	IARC Probable NTP RA Prop 65	SSI Mammary			GHS 336			GHS 315	GHS 319			○	○
90-43-7	o-Phenylphenol	○	○	Prop 65						AOEC R	GHS 315	GHS 319	GHS 410			
140-67-0	Estragole	○	○	Prop 65											○	○
9016-45-9	Nonylphenol, ethoxylated		○				GHS 361				GHS 315	GHS 318 GHS 319	GHS 411 GHS 412 GHS 413	OSPAR PBT	○	○
25154-52-3	Nonylphenol		○			EU Category 1 ○	GHS 361		○		GHS 314		GHS 410	OSPAR PBT	○	○
108-46-3	Resorcinol	○	○			EU category 1 ○					GHS 315	GHS 319	NZ GHS 9.1A		○	
80-46-6	Phenol, 4-(1,1- dimethylpropyl)-		○			EU SVCH					GHS 314	GHS 318	GHS 410 GHS 411		○	○
119-36-8	Methyl salicylate	○	○				GHS 361				GHS 315	GHS 319	NZ GHS 9.1D		○	
119-47-1	Phenol, 2,2'- methylenebis[6-(1,1- dimethylethyl)-4- methyl-	○	○				GHS 360f					GHS 319	GHS 411		○	
104-76-7	1-Hexanol, 2-ethyl-	○	○				GHS 361d				GHS 314	GHS 319	GHS 412		○	
111-77-3	Ethanol, 2-(2- methoxyethoxy)- Methoxydiglycol		○				GHS 361d					GHS 319			○	
84852-15-3	4-Nonylphenol, branched [2]		○				GHS 361f				GHS 314	GHS 318	GHS 410	OSPAR PBT	○	
80-54-6	Lilial	○	○				GHS 361f				EU Fragrance Allergen GHS 315		GHS 411 GHS 412		○	
131-57-7	Oxybenzone BP-3 Benzophenone-3	○	○			SINLIST	NTP-R		○		GHS 315	GHS 319	GHS 410		○	
97-54-1	Isoeugenol	○	○	GHS 351							EU Fragrance Allergen GHS 315	GHS 319			○	
111-46-6	Diethylene glycol Ethanol, 2,2'-oxybis-	○	○				GHS 361								○	
7446-09-5	Sulfur dioxide		○				Prop 65				GHS 314	GHS 318	NZ GHS 9.1A		○	

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107-21-1	1,2-Ethandiol; Ethylene glycol; PEG-23M	○	○				Prop 65								○	○
67-56-1	Methanol		○				Prop 65					GHS 319				○
110-54-3	Hexane		○				Prop 65m GHS 361f	GHS 336			GHS 315	GHS 319	GHS 411		○	○
111-76-2	Butoxyethanol	○	○	IARC			GHS 361			AOEC R	GHS 315	GHS 319			○	○
7173-51-5	Didecyl dimethylam monium Chloride		○					GHS 336		AOEC Rs	GHS 314	GHS 318	GHS 410 GHS 411		○	
102-71-6	Tri Ethanol Amine Quat (Teaq); triethanolamine	○	○				GHS 361	GHS 336		AOEC Rs	GHS 315	GHS 319	GHS 411		○	
1222-05-5	Galaxolide (Musk); Cyclopenta[g]-2- benzopyran, 1,3,4,6,7,8- hexahydro- 4,6,6,7,8,8- hexamethyl-	○	○										GHS 410		○	
21145-77-7	Tonalide (Musk)	○	○			ChemSec SIN List							GHS 410		○	
1506-02-1	1-(5,6,7,8- Tetrahydro- 3,5,5,6,8,8- hexamethyl-2- naphthyl)ethan-1- one (Fixolid)		○			ChemSec SIN List							GHS 410		○	
81-14-1	Musk Ketone		○	GHS 351			GHS 361	GHS 336					GHS 410		○	
68412-54-4	Nonylphenol, branched, ethoxylated Nonoxynol-12		○			EU SVHC					GHS 315	GHS 318 GHS 319	GHS 410 GHS 411 GHS 412	OSPAR PBT	○	
128-37-0	Butylated hydroxytoluene (BHT)	○	○	GHS 351		ChemSec SIN List	GHS 361				GHS 315	GHS 319	GHS 410 GHS 413		○	
118-58-1	Benzyl Salicylate; Benzoic acid, 2- hydroxy-, phenylmethyl ester	○	○			○					EU Fragrance Allergen GHS 315	GHS 319	GHS 411		○	

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111-84-2	Nonane		○					GHS H336			GHS 315	GHS 319	GHS 411		○	
131-56-6	2,4-Dihydroxybenzophe non; Resbenzophenone; Benzophenone-1	○	○			SINLIST; EU Category 1			○		GHS 315	GHS 319	GHS 411		○	
99-76-3	Methyl paraben	○	○	○	○	○			○		GHS 315	GHS 319	GHS 412		○	○
81-11-8	Disodium 4,4'- Diaminostilbene- 2,2'-Disulfonate		○		SSI Mammary								GHS 412		○	
94-13-3	Propyl paraben Propyl p- hydroxybenzoate	○	○			○		GHS 336	○		GHS 315	GHS 318 GHS 319	GHS 413		○	○
103-23-1	Diethylhexyl Adipate; Hexanedioic acid, 1,6-bis(2-ethylhexyl) ester	○	○			○					GHS 315	GHS 319	NZ GHS 9.1A		○	○
94-26-8	Butylparaben	○	○			SINLIST			○		GHS 315	GHS 318 GHS 319	NZ GHS 9.1D		○	○
120-47-8	Ethyl paraben	○	○			International Panel on Chemical Pollution (IPCP) ○			○		○	GHS 319	NZ GHS 9.1D		○	○
1330-20-7	Xylenes; [o-xylene (95-47-6), m- xylene(108-38- 3)and p-xylene (106-42-3)]		○				○	○			GHS 315		NZ GHS 9.1D		○	
112-34-5	Ethanol, 2-(2- butoxyethoxy)-	○	○					GHS H336			GHS 315	GHS 319			○	
106-44-5	p-Cresol	○	○	GHS 351		EU Category 2					GHS 314	GHS 318			○	○
67-64-1	Acetone		○					GHS 336				GHS 319			○	○

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118-56-9	Homosalate	○	○			○					GHS 315	GHS 319			○	
66-25-1	Hexanal	○	○					GHS 336				GHS 319			○	
131-55-5	Benzophenone2		○				SINLIST; EU Category 1								○	
78-93-3	Methyl ethyl ketone		○					GHS 336				GHS 319			○	○
107-98-2	Propyleneglycol monomethyl ether		○					GHS 336							○	○
100-52-7	Benzaldehyde	○	○					GHS 336			GHS 315	GHS 318	GHS 412		○	
5466-77-3	2-Ethylhexyl-p- methoxycinnamate ; 2-Propenoic acid, 3- (4-methoxyphenyl)- , 2-ethylhexyl ester	○	○				EU Category 1; SINLIST								○	
15087-24-8	3-Benzylidene camphor (3-BC); 1,7,7-trimethyl-3- (phenylmethylene) bicyclo[2.2.1]hepta n-2-one		○				ChemSec SINLIST								○	
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic		○					GHS 361			GHS 315	GHS 318	GHS 411		○	○
95-48-7	2-Methylphenol, o- Cresol		○	GHS 351							GSH 314 GHS 315	GHS 318	GHS 412		○	○
108-95-2	Phenol	○	○								GHS 314	GHS 318	GHS 411		○	○
74-87-3	Chloromethane (methyl chloride)	○	○					Prop 65 Prop 65m								○
127-19-5	N,N- Dimethylacetamide		○					Prop 65				GHS 319				○
123-86-4	Butyl Acetate; Acetic acid, butyl ester	○	○					GHS H336					GHS 410		○	

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141-78-6	Ethyl Acetate		○					GHS 336				GHS 319	GHS 410		○	○
110-82-7	cyclohexane		○					GHS 336			GHS 315		GHS 410			○
541-02-6	Cyclopentasiloxane , decamethyl- Cyclopentasiloxane Dow Silicone Q1401	○	○								GHS 315	GHS 319	GHS 413	EU SVHC PBT	○	○
64742-48-9	Naphtha (petroleum), hydrotreated heavy; C10-12 Alkane/Cycloalkane		○					GHS 336			GHS 315	GHS 319	GHS 410 GHS 411 GHS 412 GHS 413		○	○
71-23-8	Propanol		○					GHS H336				GHS 318			○	
78-83-1	2-Methylpropanol		○					GHS H336			GHS 315	GHS 318			○	
108-21-4	Isopropyl Acetate		○					GHS H336				GHS 319			○	
75-65-0	Tertiary butyl alcohol (TBA) 2-Propanol, 2- methyl-	○	○					GHS 336				GHS 319			○	
71-36-3	1-Butanol		○					GHS 336			GHS 315	GHS 318			○	
8007-45-2	Coal Tar	○		IARC Known												○
91080-01-2	Placental Extract/Protein	○		**												
7440-43-9	Cadmium and cadmium compounds	○		IARC Known Prop 65		○	○ Prop 65		○				GHS 410	OSPAR PBT		○

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75-21-8	Ethylene Oxide	○		IARC Known NTP Known Prop 65	SSI Mammary		Prop 65		○	AOEC Rr	GHS 315	GHS 319	NZ GHS 9.1D			○
7440-38-2	Arsenic	○		IARC Known Prop 65		○			○		GHS 314	GHS 319	GHS 410			○
62-44-2	Phenacetin	○		IARC Known Prop 65												
14808-60-7	Silica, crystalline (airborne particles of respirable size)	○		IARC Known												○
71-43-2	Benzene	○		IARC Known NTP Known Prop 65	SSI Mammary	○	○ Prop 65	GHS H336	○		GHS 315	GHS 319	GHS 412			○
335-67-1	Perfluorooctanoic Acid (PFOA)	○		IARC Possible		○	○ EU SVHC; Prop 65		○			GHS 318				○
68603-42-9	Cocamide Dea	○		IARC Possible												○
142-83-6	2,4-Hexadienal (89% trans,trans isomer; 11% cis, trans isomer) (aka Sorbalddehyde)	○		IARC Possible												○
75-56-9	Propylene Oxide	○		IARC Possible NTP RA Prop 65	SSI Mammary						GHS 314 GHS 315	GHS 319	NZ GHS 9.1C			○
79-43-6	Dichloroacetic acid	○		IARC Possible Prop 65			Prop 65m				GHS 314		GHS 410			○
91-22-5	Quinoline and its strong acid salts	○		IARC Possible Prop 65							GHS 315	GHS 319	GHS 411			○
7440-02-0	Nickel (Metallic)	○		IARC Possible Prop 65		○	Prop 65		○	AOEC Rs			GHS 412			○

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140-88-5	Ethyl acrylate	○		IARC Possible Prop 65							GHS 315	GHS 319	GHS 412			○
1333-86-4	D&C Black 2; Carbon Black	○		IARC Possible Prop 65								GHS 319	GHS 413			○
2646-17-5	Oil Orange SS	○		IARC Possible Prop 65												○
6459-94-5	C.I. Acid Red 114	○		IARC Possible Prop 65												○
94-59-7	Safrole (Sassafras oil)	○		IARC Possible Prop 65												○
271-89-6	Benzofuran	○		IARC Possible Prop 65												○
79-06-1	polyacrylamide	○		IARC Probable Prop 65			Prop 65m; Prop 65				GHS 315	GHS 319	GHS 412			○
100-44-7	Benzyl chloride	○		IARC Probable Prop 65							GHS 315	GHS 318				○
1333-82-0	Chromium VI oxide	○		Prop 65			Prop 65f; Prop 65				GHS 314	GHS 318	GHS 410			○
7446-34-6	Selenium sulfide	○		Prop 65									GHS 410			○
57-83-0	Progesterone	○		Prop 65												
7439-92-1	Lead & Lead compounds, Lead Acetate	○		Prop 65		○	○		○				GHS 410	OSPAR PBT		○
54-64-8	Thimerosal (ethylmercury)	○		Prop 65			Prop 65						GHS 410			
95-54-5	o- Phenylenediamine and its salts	○		Prop 65								GHS 319	GHS 410			○
109-86-4	Ethylene Glycol Monomethyl Ether (EGME); 2- Methoxyethanol	○					EU SVHC Prop 65				GHS 315	GHS 319				○
573-58-0	FD&C Red N4 (CI 14700)	○					GHS 361d									○

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7439-97-6	Mercury (elemental)	○				○	○		○				GHS 410	OSPAR PBT		○
108-88-3	Toluene	○					Prop 65 GHS 361	GHS H336	○		GHS 315		NZ GHS 9.1D			○
80-62-6	Methyl Methacrylate	○								AOEC Rs	GHS 315		NZ GHS 9.1D			○
101-20-2	Triclocarban	○							○				EC - CEPA DSL			○
3380-34-5	Triclosan	○				○	○		○		GHS 315	GHS 319	GHS 410			○
123-31-9	Hydroquinone	○		GHS 351							GHS 315	GHS 318	GHS 410			
101-53-1	p-Benzylphenol	○				EU Category 1										
106-50-3	P- Phenylenediamine	○							○		○	GHS 319	GHS 410			○
872-50-4	N-Methylpyrrolidone (Methyl Pyrrolidone)	○					Prop 65				GHS 315	GHS 319				
302-79-4	Trans retinoic acid (aka. Tretinoin)	○					Prop 65									○
68-26-8 79-81-2 and others	Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (–)	○					Prop 65									○
2497-59-8	4-(1,1,3,3- tetramethylbutyl)ph enol, ethoxylated (group)	○				European Union										
36861-47-9	4- methylbenzylidene camphor, 4-MBC	○				Chemsec Sin List; EU SVHC; EU Category 1	GHS 361									
71888-89-6	Di-isoheptyl phthalate	○					EU GHS Annex 6									
556-67-2	octamethylcyclo tetrasiloxane	○				○										
21245-02-3	octyl dimethyl PABA	○				○										
123-38-6	Propionaldehyde	○		USEPA IRIS												
115-86-6	Triphenyl phosphate, TPP	○				ChemSec										

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123-35-3	beta-Myrcene	○	○	IARC Possible Prop 65							GHS 315	GHS 319	GHS 410 GHS 411 GHS 412		○	○
110-86-1	Pyridine		○	IARC Possible Prop 65							GHS 314	GHS 318 GHS 319	NZ GHS 9.1C		○	○
4080-31-3	Quaternium-15	○		○		○			○	○	GHS 315	GHS 319				
111-42-2	DEA; Diethanolamine	○	○	IARC Possible Prop 65						AOEC Rs	GHS 315	GHS 318	GHS 412			○
50-00-0	Formaldehyde	○	○	IARC Known NTP Known Prop 65					○	AOEC G	GHS 314	GHS 318	NZ GHS 9.1D			○
14807-96-6	Talc (only in personal hygiene products)	○		IARC Possible					○							
14312-40-4	sodium borate	○		ChemSec			EU - SVHC									
See Appendix	PFAS	○														
See Appendix	Formaldehyde- Releasing Preservatives	○														
See Appendix	Ortho-Phthalates	○	○													

Key:

CAS Number	Chemical Abstracts Service Number
COC	Chemical of Concern
PCP	Personal Care Product
FR	Fragrance Ingredient
PBT	Persistent, Bioaccumulative, & Toxic
OSPAR	The Convention for the Protection of the Marine Environment of the North-East Atlantic
IFRA	International Fragrance Association
DTSC	CA Department of Toxic Substance Control
○ (Under PCP/FR)	Indicates products containing COC
○ (All Health Effects)	Association supported by peer-reviewed literature
○ (Under IFRA/DTSC)	Indicates COC present on authoritative list

Excel spreadsheet is available for download upon request.

RED X LIST

Chemicals of Concern

TIER 1: "DO NOT USE" CHEMICALS LINKED TO HEALTH OUTCOMES OF GREATER CONCERN TO BLACK WOMEN



CAS Number	Chemical Name	PCP	FR	Diabetes	Early Puberty	Endometriosis	Infertility	Less Successful IVF Outcomes	Maternal Health	Obesity	Ovarian Cancer	Polycystic Ovarian Syndrome	Pregnancy Complications	Preterm Birth	Uterine Fibroids	Allergic Reactions
100-42-5	Styrene (Cinnamene)	○	○						○				○			
91-20-3	Naphthalene	○	○						○				○			
119-61-9	Benzophenone	○	○			○				○						
25154-52-3	Nonylphenol		○	○					○				○		○	
131-57-7	Oxybenzone BP-3 Benzophenone-3	○	○		○	○	○	○		○						
131-56-6	2,4-Dihydroxybenzophenone; Resbenzophenone; Benzophenone-1	○	○			○										
99-76-3	Methyl paraben	○	○		○	○							○	○		
94-13-3	Propyl paraben Propyl p-hydroxybenzoate	○	○	○	○	○	○		○				○	○		
94-26-8	Butylparaben	○	○	○					○				○	○		○
120-47-8	Ethyl paraben	○	○	○			○	○	○				○	○		○
7440-43-9	Cadmium and cadmium compounds	○		○	○	○	○	○	○	○		○	○	○	○	

CAS Number	Chemical Name	PCP	FR	Diabetes	Early Puberty	Endometriosis	Infertility	Less Successful IVF Outcomes	Maternal Health	Obesity	Ovarian Cancer	Polycystic Ovarian Syndrome	Pregnancy Complications	Preterm Birth	Uterine Fibroids	Allergic Reactions
75-21-8	Ethylene Oxide	○							○				○			
7440-38-2	Arsenic	○		○			○	○	○				○			
71-43-2	Benzene	○					○	○	○				○	○		
335-67-1	Perfluorooctanoic Acid (PFOA)	○		○		○	○	○	○	○		○	○			
7440-02-0	Nickel (Metallic)	○		○					○	○			○			
7439-92-1	Lead & Lead compounds, Lead Acetate	○					○	○	○				○	○		
7439-97-6	Mercury (elemental)	○		○			○	○	○	○			○	○		
108-88-3	Toluene	○							○				○	○		
101-20-2	Triclocarban	○		○						○						
3380-34-5	Triclosan	○		○			○	○	○			○	○	○		
106-50-3	P-Phenylenediamine	○														○
4080-31-3	Quaternium-15	○							○				○			
50-00-0	Formaldehyde	○	○						○				○			
14807-96-6	Talc (only in personal hygiene products)	○									○					

Key:

CAS Number	Chemical Abstracts Service Number
COC	Chemical of Concern
PCP	Personal Care Product
FR	Fragrance Ingredient
IVF	In Vitro Fertilization
○ (Under PCP/FR)	Indicates products containing COC
○ (All Health Effects)	Association supported by peer-reviewed literature

Chemicals of Concern

TIER 2: EMERGING & HARMFUL TO THE ENVIRONMENT

Disclose and consider replacing or removing because of emerging health concerns and ecotoxicity

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive/ Developmental	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women: Diabetes Obesity
91-64-5	Coumarin	○	○					EU Fragrance Allergen GHS 315	GHS 318	GHS 411 GHS 412		○		
8009-03-8	Petrolatum	○				GHS 361d				GHS 413			○	
85507-69-3	aloe barbadensis leaf extract/ aloe vera	○		IARC Possible				GHS 315	GHS 319					
2682-20-4	methylisothiazolinone	○	○					GHS 314	GHS 318	GHS 410		○		
92-52-4	Biphenyl	○	○					GHS 315	GHS 319	GHS 410		○	○	
98-29-3	4-tert-Butylpyrocatechol		○		○			GHS 314	GHS 318	GHS 410 GHS 411		○		
87-22-9	Phenylethyl salicylate	○	○		○			GHS 315		GHS 411		○		
334-48-5	n-Decanoic acid; Ethanol, 2-butoxy-	○	○		○			GHS 315	GHS 319	GHS 412		○		
65-85-0	Benzoic acid	○	○		○			GHS 315	GHS 318	GHS 412		○		
112-27-6	Triethylene glycol	○	○		○			GHS 315	GHS 319			○		
57-11-4	Octadecanoic acid	○	○		○							○		
98-52-2	Cyclohexanol, 4-(1,1- dimethylethyl)-		○		○				GHS 319			○		
2783-94-0	Fd&C Yellow 6		○		○			GHS 315	GHS 319			○		
90-12-0	1-Methylnaphthalene		○				EU EC H334	GHS 315	GHS 319	GHS 411		○	○	

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive/ Developmental	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women:	
55406-53-6	Carbamic acid, butyl-, 3-iodo-2-propynyl ester	○			○			GHS 315	GHS 318	GHS 410				Diabetes	Obesity
1406-18-4	tocopherol/vitamin E	○			○										
120-72-9	Indole	○	○		○			GHS 315	GHS 318	NZ GHS 9.1A		○			
104-55-2	Cinnamal		○		○			EU Fragrance Allergen GHS 315	GHS 319	NZ GHS 9.1A		○			
89-83-8	Thymol	○	○				AOEC R	GHS 314		GHS 411		○			
8000-48-4	Eucalyptus oil		○				AOEC R	GHS 315	GHS 319	GHS 411		○			
89-78-1	menthol	○	○				AOEC R	GHS 315	GHS 318 GHS 319	NZ GHS 9.1D		○			
68424-85-1	Benzalkonium chloride; Alkyl Benzyl Dimethyl Ammonium Chloride Mixture		○				AOEC Rs	GHS 314	GHS 318	GHS 410					
13466-78-9	3-Carene		○				AOEC Rs	GHS 315		GHS 410 GHS 411 GHS 412		○			
68391-01-5	Benzalkonium chloride; Alkyl Dimethyl Benzyl Ammonium Chlorides (C12 67% C14 25% C16 7% C8-C10-C18 1%)		○				AOEC Rs	GHS 314		NZ GHS 9.1A		○			
8001-54-5	Benzalkonium chloride		○				AOEC Rs	GHS 314		NZ GHS 9.1A					
61789-71-7	Benzalkonium chloride		○				AOEC Rs	GHS 314		NZ GHS 9.1D		○			
79-10-7	Acrylic Acid; carbomer	○					AOEC R	GHS 314	GHS 318	GHS 411			○		
1336-21-6	Ammonium Hydroxide	○					AOEC Rr & Rs	GHS 314	GHS 318	GHS 411					
5989-27-5	d-Limonene; limonene	○	○					EU Fragrance Allergen GHS 315		GHS 410 GHS 412		○			
97-53-0	Eugenol	○	○					EU Fragrance Allergen GHS 315	GHS 319	NZ GHS 9.1C		○			
101-84-8	Diphenyl ether	○	○							NZ GHS 9.1B		○			
112-80-1	Oleic Acid	○	○		○							○			
144-55-8	Sodium Bicarbonate	○	○		○							○			
5471-51-2	2-Butanone, 4-(4- hydroxyphenyl)-	○	○		○							○			
59-02-9	Vitamin E	○	○		○							○			

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive / Developmental	Respiratory / Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women:	
68140-48-7	Ethanone, 1-[2,3-dihydro-1,1,2,6-tetramethyl-3-(1-methylethyl)-1H-inden-5-yl]-	○	○		○							○			
143-74-8	phenolsulfonphthalein	○			○										
81-15-2	Musk Xylene		○							GHS 410	OSPAR PBT		○		
79-92-5	Camphene	○	○						GHS 319	GHS 410		○			
5989-54-8	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (S)-	○	○					GHS 315		GHS 410		○			
55965-84-9	Isothiazolinone Chloride		○					GHS 314	GHS 318	GHS 410		○			
127-91-3	beta-Pinene	○	○					EU Fragrance Allergen GHS 315	GHS 319	GHS 410		○			
4602-84-0	Farnesol	○	○					EU Fragrance Allergen GHS 315	GHS 319	GHS 410		○			
3100-36-5	8-Cyclohexadecen-1-one	○	○							GHS 410		○			
1948-33-0	TBHQ (2-tert-butylhydroquinone)		○					GHS 315	GHS 319	GHS 410		○			
26172-55-4	3(2H)-Isothiazolone, 5-chloro-2-methyl-		○					GHS 314		GHS 410		○			
74-93-1	Methyl Mercaptan		○							GHS 410		○	○		
127087-87-0	4-Nonylphenol, branched, ethoxylated		○					GHS 315	GHS 319	GHS 410 GHS 411	OSPAR PBT	○			
64741-65-7	Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha		○					GHS 315	GHS 319	GHS 410 GHS 411		○	○		
80-56-8	α-Pinene	○	○					GHS 315	GHS 318	GHS 410 GHS 411		○			
8014-17-3	Citrus reticulata leaf oil		○					GHS 315	GHS 318 GHS 319	GHS 410 GHS 411		○			
91-57-6	Methylnaphthalene; 2-Methylnaphthalene		○							GHS 410 GHS 411		○	○		
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylidene)-; Terpinolene	○	○					GHS 315	GHS 318	GHS 410 GHs 411		○			
37205-87-1	Isononylphenol-ethoxylate		○					GHS 315	GHS 318 GHS 319	GHS 410 GHS 411 GHS 412 GHS 413	OSPAR PBT	○			
108-67-8	1,3,5-Trimethylbenzene		○					GHS 315	GHS 319	GHS 411		○	○		
76-22-2	Camphor	○	○					GHS 315	GHS 319	GHS 411		○			

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive/ Developmental	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women:	
99-87-6	p-Cymene	○	○					GHS 315	GHS 319	GHS 411		○		Diabetes	Obesity
122-40-7	Amyl cinnamal	○	○					EU Fragrance Allergen GHS 315		GHS 411		○			
8012-95-1 8042-47-5, plus several dozen other CAS numbers related to petroleum products	Mineral oils Mineral oils, untreated and mildly treated (–)	○	○					GHS 315	GHS 319	GHS 411		○	○		
112-30-1	1-Decanol	○	○					GHS 315	GHS 319	GHS 411		○			
112-54-9	Dodecanal	○	○					GHS 315	GHS 319	GHS 411		○			
123-68-2	Hexanoic acid, 2- propenyl ester	○	○					GHS 315	GHS 319	GHS 411		○			
106-22-9	Citronellol; citral citronellol	○	○					EU Fragrance Allergen GHS 315	GHS 319	GHS 411		○			
8007-48-5	Laurus nobilis L., oil from the seeds of		○					GHS 315	GHS 319	GHS 411		○			
105-67-9	2,4-Dimethylphenol		○					GHS 314	GHS 318	GHS 411		○	○		
103-41-3	Benzyl cinnamate		○					EU Fragrance Allergen		GHS 411		○			
120-51-4	Benzyl Benzoate	○	○					EU Fragrance Allergen		GHS 411 GHS 412		○			
127-51-5	3-Methyl-4-(2,6,6- trimethyl-2-cyclohexen-1- yl)-3-buten-2-one; alpa- isomethyl ionone	○	○					EU Fragrance Allergen GHS 315	GHS 319	GHS 411 GHS 412		○			
25973-55-1	Phenol, 2-(2H- benzotriazol-2-yl)-4,6- bis(1,1-dimethylpropyl)- (UV-328)		○							GHS 411 GHS 412		○			
64742-46-7	Distillates (petroleum), hydrotreated middle		○					GHS 315		GHS 411 GHS 412		○	○		
95-63-6	1,2,4-Trimethylbenzene		○					GHS 314 GHS 315	GHS 319	GHS 411 GHS 413		○	○		
112-05-0	Nonanoic acid	○	○					GHS 314 GHS 315	GHS 318 GHS 319	GHS 412		○			
112-31-2	Decanal	○	○					GHS 315	GHS 319	GHS 412		○			
5392-40-5	Citral	○	○					EU Fragrance Allergen GHS 315	GHS 319	GHS 412		○			
85-91-6	Methyl N-methyl anthranilate		○					GHS 315	GHS 319	GHS 412		○			
70445-33-9	Ethylhexylglycerin Polysilicone-11		○						GHS 318	GHS 412		○			

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive / Developmental	Respiratory / Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women:	
														Diabetes	Obesity
109-52-4	Pentanoic acid	○	○					GHS 314		GHS 412		○			
123-92-2	Isoamyl acetate		○							GHS 412		○			
64-18-6	Formic Acid		○					GHS 314 GHS 315	GHS 318 GHS 319	GHS 413		○			
98-55-5	alpha-Terpineol	○	○					GHS 315	GHS 319	GHS 413		○			
87-44-5	Caryophyllene	○	○					GHS 315	GHS 319	GHS 413		○			
128-80-3	1,4-bis(p-Tolylamino)anthraquinone (Solvent Green 3; CI 61565) when used as a substance in hair dye products		○					GHS 315	GHS 319	GHS 413		○			
138-86-3	Limonene	○	○					GHS 315	GHS 319	GHS H410		○			
68551-12-2	Alcohol Ethoxylates (C12-16)		○					GHS 315	GHS 318	NZ GHS 9.1A		○			
2050-08-0	Benzoic acid, 2-hydroxy-, pentyl ester	○	○							NZ GHS 9.1A		○			
9002-93-1	Glycols, polyethylene, mono(p-(1,1,3,3-t = Octoxynol = Poly(oxy-1,2-ethanediyl), alpha-(4-(1,1,3,3.-tetramethyl-butyl))phenyl)-omega-hydroxy-		○							NZ GHS 9.1A		○			
7785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	○	○					GHS 315	GHS 319	NZ GHS 9.1B		○			
134-20-3	Methyl anthranilate	○	○					GHS 315	GHS 319	NZ GHS 9.1B		○			
2216-51-5	Levomenthol	○	○					GHS 315	GHS 318 GHS 319	NZ GHS 9.1C		○			
105-54-4	Butanoic acid, ethyl ester	○	○					GHS 315	GHS 319	NZ GHS 9.1C		○			
111-27-3	1-Hexanol		○					GHS 315	GHS 319	NZ GHS 9.1D		○			
107-75-5	Hydroxycitronellal Octanal, 7-hydroxy-3,7-dimethyl-	○	○					EU Fragrance Allergen GHS 315	GHS 319	NZ GHS 9.1D		○			
1310-73-2	Sodium hydroxide	○	○					GHS 314	GHS 318	NZ GHS 9.1D		○	○		
79-14-1	Alpha-hydroxy acids		○					GHS 314	GHS 318	NZ GHS 9.1D					
69-72-7	Salicylic acid		○						GHS 318	NZ GHS 9.1D		○			
123-72-8	Butanal		○						GHS 319	NZ GHS 9.1D		○			
108-39-4	3-Methylphenol; m-Cresol		○					GHS 314	GHS 318	NZ GHS 9.1D		○	○		
71-41-0	1-Pentanol	○	○					GHS 315	GHS 318 GHS 319	NZ GHS 91.D		○			

CAS Number	Chemical Name	PCP	FR	Cancer	Endocrine	Reproductive/ Developmental	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	Chronic Aquatic	PBT: Stockholm or OSPAR	IFRA	DTSC list	Health Outcomes of Greater Concern to Black Women:	
107-64-2	Distearyltrimonium Chloride	○							GHS 318	GHS 410				Diabetes	Obesity
52645-53-1	Permethrin	○								GHS 410					
30007-47-7	5-bromo-5-nitro-1,3- dioxane (Bronidox C)	○						GHS 314	GHS 318	NZ GHS 9.1A					
10378-23-1	tetrasodium EDTA	○								NZ GHS 9.1C					
1305-62-0	Calcium Hydroxide	○						GHS 315	GHS 318	NZ GHS 9.1D					
53-43-0	Dehydroepiandrosteron e (DHEA)	○													○
127087-87-0	4-Nonylphenol, branched, ethoxylated		○					GHS 315	GHS 319	GHS 410 GHS 411	OSPAR PBT	○			
37205-87-1	Isononylphenol- ethoxylate		○					GHS 315	GHS 318 GHS 319	GHS 410 GHS 411 GHS 412 GHS 413	OSPAR PBT	○			
141-43-5	Ethanolamine (Monoethanolamine)	○	○					GHS 314	GHS 318 GHS 319	GHS 412		○		○	
9036-19-5	Glycols, polyethylene, mono((1,1,3,3-tet = Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3- tetramethylbutyl) phenyl]-.omega.- hydroxy-		○					GHS 315	GHS 319	NZ GHS 9.1A	EU SVHC PBT	○			
57-10-3	n-Hexadecanoic acid	○	○					GHS 315	GHS 319	GHS 412		○		○	
541-02-6	Cyclopentasiloxane, decamethyl- Cyclopentasiloxane Dow Silicone Q1401	○	○					GHS 315	GHS 319	GHS 413	EU SVHC PBT	○	○		
118-60-5	2-Ethylhexyl salicylate	○	○					GHS 315		○ GHS 413		○			
446-72-0	Genistein	○			○								○		

Key:

CAS Number
COC
PCP
FR
PBT
OSPAR

IFRA

DTSC

○ (Under PCP/FR)
○ (All Health Effects)
○ (Under IFRA/DTSC)

Chemical Abstracts Service Number
Chemical of Concern
Personal Care Product
Fragrance Ingredient
Persistent, Bioaccumulative, & Toxic
The Convention for the Protection of the Marine
Environment of the North-East Atlantic
International Fragrance Association Department of
CA Toxic Substance Control
Indicates products containing COC
Association supported by peer-reviewed literature
Indicates COC present on authoritative list

RED X LIST



Chemicals of Concern

TIER 3: ASTHMAGENS, ALLERGENS & IRRITANTS

Disclose as a potential allergen so that the people who are impacted know and move away from if also listed on Tier 2

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
122-99-6	Phenoxyethanol	○	○		GHS 315	GHS 319	○				
140-11-4	Benzyl Acetate	○	○		GHS H315	GHS 6.4A					
97-63-2	Ethyl methacrylate		○	AOEC R	GHS 315	GHS 319	○				
7664-93-9	Sulfuric Acid		○	AOEC Rr	GHS 314	GHS 318	○	○			
7681-57-4	Sodium Metabisulfite		○	AOEC Rs		GHS 318	○				
78-70-6	Linalool	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
101-86-0	Octanal, 2-(phenylmethylene)-; Hexyl Cinnamal; hexyl cinnamaldehyde	○	○		EU Fragrance Allergen GHS 315		○				
79-92-5	Camphene	○	○			GHS 319	○				
5989-54-8	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (S)-	○	○		GHS 315		○				
55965-84-9	Isothiazolinone Chloride		○		GHS 314	GHS 318	○				

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
127-91-3	beta-Pinene	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
4602-84-0	Farnesol	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
1948-33-0	TBHQ (2-tert-butylhydroquinone)		○		GHS 315	GHS 319	○				
26172-55-4	3(2H)-Isothiazolone, 5-chloro-2-methyl-		○		GHS 314		○				
64741-65-7	Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha		○		GHS 315	GHS 319	○	○			
80-56-8	α-Pinene	○	○		GHS 315	GHS 318	○				
8014-17-3	Citrus reticulata leaf oil		○		GHS 315	GHS 318 GHS 319	○				
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylidene)-; Terpinolene	○	○		GHS 315	GHS 318	○				
108-67-8	1,3,5-Trimethylbenzene		○		GHS 315	GHS 319	○	○			
76-22-2	Camphor	○	○		GHS 315	GHS 319	○				
99-87-6	p-Cymene	○	○		GHS 315	GHS 319	○				
122-40-7	Amyl cinnamal	○	○		EU Fragrance Allergen GHS 315		○				
8012-95-1 8042-47-5 , plus several dozen other CAS numbers related to petroleum products	Mineral oils Mineral oils, untreated and mildly treated (-)	○	○		GHS 315	GHS 319	○	○			
112-30-1	1-Decanol	○	○		GHS 315	GHS 319	○				
112-54-9	Dodecanol	○	○		GHS 315	GHS 319	○				
123-68-2	Hexanoic acid, 2-propenyl ester	○	○		GHS 315	GHS 319	○				
106-22-9	Citronellol; citral citronellol	○	○		EU Fragrance Allergen GHS 315	GHS 319	○	No			

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
8007-48-5	Laurus nobilis L., oil from the seeds of		○		GHS 315	GHS 319	○				
105-67-9	2,4-Dimethylphenol		○		GHS 314	GHS 318	○	○			
103-41-3	Benzyl cinnamate		○		EU Fragrance Allergen		○				
120-51-4	Benzyl Benzoate	○	○		EU Fragrance Allergen		○				
127-51-5	3-Methyl-4-(2,6,6-trimethyl- 2-cyclohexen-1-yl)-3-buten- 2-one; alpa-isomethyl ionone	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
64742-46-7	Distillates (petroleum), hydrotreated middle		○		GHS 315		○	○			
95-63-6	1,2,4-Trimethylbenzene		○		GHS 314 GHS 315	GHS 319	○	○			
112-05-0	Nonanoic acid	○	○		GHS 314 GHS 315	GHS 318 GHS 319	○				
112-31-2	Decanal	○	○		GHS 315	GHS 319	○				
5392-40-5	Citral	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
85-91-6	Methyl N-methyl anthranilate		○		GHS 315	GHS 319	○				
70445-33-9	Ethylhexylglycerin Polysilicone-11		○			GHS 318	○				
109-52-4	Pentanoic acid	○	○		GHS 314		○				
64-18-6	Formic Acid		○		GHS 314 GHS 315	GHS 318 GHS 319	○				
98-55-5	alpha-Terpineol	○	○		GHS 315	GHS 319	○				
87-44-5	Caryophyllene	○	○		GHS 315	GHS 319	○				
128-80-3	1,4-bis(p- Tolylamino)anthraquinon e (Solvent Green 3; CI 61565) when used as a substance in hair dye products		○		GHS 315	GHS 319	○				
138-86-3	Limonene	○	○		GHS 315	GHS 319	○				
68551-12-2	Alcohol Ethoxylates (C12- 16)		○		GHS 315	GHS 318	○				

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
7785-70-8	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	○	○		GHS 315	GHS 319	○				
134-20-3	Methyl anthranilate	○	○		GHS 315	GHS 319	○				
2216-51-5	Levomenthol	○	○		GHS 315	GHS 318 GHS 319	○				
105-54-4	Butanoic acid, ethyl ester	○	○		GHS 315	GHS 319	○				
111-27-3	1-Hexanol		○		GHS 315	GHS 319	○				
107-75-5	Hydroxycitronellal Octanal, 7-hydroxy-3,7-dimethyl-	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
1310-73-2	Sodium hydroxide	○	○		GHS 314	GHS 318	○	○			
79-14-1	Alpha-hydroxy acids		○		GHS 314	GHS 318					
69-72-7	Salicylic acid		○			GHS 318	○				
123-72-8	Butanal		○			GHS 319	○				
108-39-4	3-Methylphenol; m-Cresol		○		GHS 314	GHS 318	○	○			
71-41-0	1-Pentanol	○	○		GHS 315	GHS 318 GHS 319	○				
106-24-1	Geraniol	○	○		EU Fragrance Allergen GHS 315	GHS 318	○				
100-51-6	Benzyl alcohol	○	○		EU Fragrance Allergen GHS 315	GHS 318 GHS 319					
464-49-3	(+)-2-Bornanone	○	○		GHS 315	GHS 319	○				
104-54-1	Cinnamyl alcohol	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				
111-12-6	Methyl heptine carbonate; 2-Octynoic acid; methyl ester	○	○		EU Fragrance Allergen GHS 315		○				
107-41-5	hexylene glycol	○	○		GHS 315		○				
98-86-2	Acetophenone	○	○			GHS 319	○	○			

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
50-21-5	Lactic acid		○		GHS 314 GHS 315	GHS 318 GHS 319	○				
79-33-4	Lactic acid		○		GHS 314 GHS 315	GHS 318 GHS 319	○				
6915-15-7	Glycolic acid		○		GHS 315	GHS 318 GHS 319	○				
77-92-9	Alpha-hydroxy acids		○		GHS 315	GHS 318 GHS 319	○				
541-85-5	5-Methyl-3-heptanone		○		GHS 315	GHS 319	○				
56-81-5	Glycerin		○		GHS 315	GHS 319	○				
105-13-5	Anisyl alcohol		○		EU Fragrance Allergen GHS 315	GHS 319	○				
97-99-4	Tetrahydrofurfuryl alcohol		○			GHS 319	○	○			
107-64-2	Distearyldimonium Chloride	○				GHS 318					
30007-47-7	5-bromo-5-nitro-1,3- dioxane (Bronidox C)	○			GHS 314	GHS 318					
1305-62-0	Calcium Hydroxide	○			GHS 315	GHS 318					
56-18-8	bis-aminopropyl dimethicone	○			GHS 314	GHS 318					
150-13-0	Para-aminobenzoic acid (PABA)	○			GHS 315	GHS 319					
106-97-8	Butane	○			EU Fragrance Allergen			○			
127087-87-0	4-Nonylphenol, branched, ethoxylated		○		GHS 315	GHS 319	○				
37205-87-1	Isononylphenol-ethoxylate		○		GHS 315	GHS 318 GHS 319	○				
141-43-5	Ethanolamine (Monoethanolamine)	○	○		GHS 314	GHS 318 GHS 319	○				○
9036-19-5	Glycols, polyethylene, mono((1,1,3,3-tet = Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3- tetramethylbutyl) phenyl]- .omega.-hydroxy-		○		GHS 315	GHS 319	○				
57-10-3	n-Hexadecanoic acid	○	○		GHS 315	GHS 319	○				○
541-02-6	Cyclopentasiloxane, decamethyl- Cyclopentasiloxane Dow Silicone Q1401	○	○		GHS 315	GHS 319	○	○			

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
118-60-5	2-Ethylhexyl salicylate	○	○		GHS 315		○				
91-64-5	Coumarin	○	○		EU Fragrance Allergen GHS 315	GHS 318	○				
85507-69-3	aloe barbadensis leaf extract/ aloe vera	○			GHS 315	GHS 319			IARC Possible		
2682-20-4	methylisothiazolinone	○	○		GHS 314	GHS 318	○				
92-52-4	Biphenyl	○	○		GHS 315	GHS 319	○	○			
98-29-3	4-tert-Butylpyrocatechol		○		GHS 314	GHS 318	○			○	
87-22-9	Phenylethyl salicylate	○	○		GHS 315		○			○	
334-48-5	n-Decanoic acid; Ethanol, 2-butoxy-	○	○		GHS 315	GHS 319	○			○	
65-85-0	Benzoic acid	○	○		GHS 315	GHS 318	○			○	
112-27-6	Triethylene glycol	○	○		GHS 315	GHS 319	○			○	
98-52-2	Cyclohexanol, 4-(1,1- dimethylethyl)-		○			GHS 319	○			○	
2783-94-0	Fd&C Yellow 6		○		GHS 315	GHS 319	○			○	
118-61-6	Benzoic acid, 2-hydroxy-, ethyl ester	○	○		GHS 315	GHS 319	○				
90-12-0	1-Methylnaphthalene		○	EU EC H334	GHS 315	GHS 319	○	○			
55406-53-6	Carbamic acid, butyl-, 3- iodo-2-propynyl ester	○			GHS 315	GHS 318				○	
120-72-9	Indole	○	○		GHS 315	GHS 318	○			○	
104-55-2	Cinnamal		○		EU Fragrance Allergen GHS 315	GHS 319	○			○	
89-83-8	Thymol	○	○	AOEC R	GHS 314		○				
8000-48-4	Eucalyptus oil		○	AOEC R	GHS 315	GHS 319	○				
89-78-1	menthol	○	○	AOEC R	GHS 315	GHS 318 GHS 319	○				

CAS Number	Chemical Name	PCP	FR	Respiratory/ Asthmagens	Skin Irritant	Eye Irritant	IFRA	DTSC list	Cancer	Endocrine	Health Outcomes of Greater Concern to Black Women: Diabetes
68424-85-1	Benzalkonium chloride; Alkyl Benzyl Dimethyl Ammonium Chloride Mixture		○	AOEC Rs	GHS 314	GHS 318					
13466-78-9	3-Carene		○	AOEC Rs	GHS 315		○				
68391-01-5	Benzalkonium chloride; Alkyl Dimethyl Benzyl Ammonium Chlorides (C12 67% C14 25% C16 7% C8-C10-C18 1%)		○	AOEC Rs	GHS 314		○				
8001-54-5	Benzalkonium chloride		○	AOEC Rs	GHS 314						
61789-71-7	Benzalkonium chloride		○	AOEC Rs	GHS 314		○				
79-10-7	Acrylic Acid; carbomer	○		AOEC R	GHS 314	GHS 318		○			
1336-21-6	Ammonium Hydroxide	○		AOEC Rr & Rs	GHS 314	GHS 318					
5989-27-5	d-Limonene; limonene	○	○		EU Fragrance Allergen GHS 315		○				
97-53-0	Eugenol	○	○		EU Fragrance Allergen GHS 315	GHS 319	○				

Key:

CAS Number	Chemical Abstracts Service Number
COC	Chemical of Concern
PCP	Personal Care Product
FR	Fragrance Ingredient
IFRA	International Fragrance Association
DTSC	CA Department of Toxic Substance Control
○ (Under PCP/FR)	Indicates products containing COC
○ (All Health Effects)	Association supported by peer-reviewed literature
○ (Under IFRA/DTSC)	Indicates COC present on authoritative list

RED X LIST

Chemicals of Concern PFAS

Key:

CAS #	Chemical Abstracts Service Number
GS Score	GreenScreen® for Safer Chemicals Score
P	Persistent
ST RE	Specific Organ Toxicity, Repeated Exposure

The entire class of perfluoroalkyl and polyfluoroalkyl (PFAS) chemicals should be avoided.

PFAS are a class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom. This is a list of the most frequently found PFAS in cosmetic products.

Chemical Name	CAS #	GS Score	Hazards
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with (2-bromo-1,1,2,2-tetrafluoroethoxy)trifluoroethene, 1,1-difluoroethene and tetrafluoroethene	108144-05-4	None	
1-Propanaminium, N-(2-carboxyethyl)-3-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-1-oxononyl)amino]-N,N-dimethyl-, inner salt	119131-05-4	None	
Polysilicone-7	146632-08-8	None	
Butane, 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-	163702-07-6	None	
Propane, 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoro-	163702-08-7	None	
Trimethylsiloxy silica, copolymer with 1,1,2,2-tetrahydroperfluoro-1-decanol	254889-67-3	None	
Polysiloxanes, di-Me, Me 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-nonadecafluorododecyl	259725-95-6	None	
Ethene, tetrafluoro-, oxidized, polymerized, reduced, decarboxylated, C10 fraction	274918-03-5	None	
Naphthalene, octadecafluorodecahydro-	306-94-5	None	
Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	51851-37-7	LT-Unk	
Methyl perfluorobutyl ketone	678-18-2	None	
Polytetrafluoroethylene (PTFE)	9002-84-0	BM-1	P, ST RE
Phosphoric acid, mono(.gamma.-.omega.-perfluoro-C8-14-alkyl) esters, compounds with diethanolamine	92332-26-8	None	
perfluorononyl dimethicone	259725-95-6	None	
octafluoropentyl methacrylate	355-93-1	None	
perfluorodecalin	306-94-5	None	
perfluorohexane	355-42-0	None	
methyl perfluorobutyl ether	163702-08-7	None	
methyl perfluoroisobutyl ether	163702-08-7	None	

Chemical Name	CAS #	GS Score	Hazards
c9-15 fluoroalcohol phosphate	223239-92-7	None	
perfluorooctyl triethoxysilane	51851-37-7	None	
perfluoromethylcyclopentane	1805-22-7	None	
pentafluoropropane	460-73-1	None	
trifluoropropyl dimethyl/trimethylsiloxysilicate	56275-01-5	None	
acetyl trifluoromethylphenyl valylglycine	379685-96-8	None	
trifluoroacetyl tripeptide-2	64577-63-5	None	
tetradecyl aminobutyroylvalylaminobutyric urea trifluoroacetate	934368-60-2	None	
ethyl perfluorobutyl ether	163702-06-5	None	
perfluoroperhydrophenanthrene	2005-03-27	None	
tetrafluoropropene	754-12-1	None	
ethyl perfluoroisobutyl ether	163702-06-5	None	
polyperfluoromethylisopropyl ether	69991-67-9	None	
dimethiconol fluoroalcohol dilinoleic acid	NA	None	
diethylaminoethyl methacrylate/hema/perfluorohexylethyl methacrylate crosspolymer	105-16-8	None	
ammonium c6-16 perfluoroalkylethyl phosphate	65530-72-5	None	
pentapeptide-34 trifluoroacetate	NA	None	
dechloro dihydroxy difluoro ethylcloprostenolamide	1185851-52-8	None	
polyperfluoroethoxymethoxy difluoroethyl peg phosphate	88645-29-8	None	
perfluorononylethyl stearyl dimethicone	882878-48-0	None	
perfluorooctyl triethoxysilane/perfluorohexylethyl triethoxysilane	51851-37-7	None	
perfluorodimethylcyclohexane	26637-68-3	None	
decafluoropentane	138495-42-8	None	
trifluoromethyl c1-4 alkyl dimethicone	NA	None	
perfluorononylethyl carboxydecyl peg-10 dimethicone	NA	None	
chlorotrifluoropropene	2730-43-0	None	
dioctyldodecyl fluoroheptyl citrate	214334-16-4	None	

RED X LIST

Chemicals of Concern FORMALDEHYDE RELEASING PRESERVATIVE

Key:

CAS #	Chemical Abstracts Service Number
GS Score	GreenScreen® for Safer Chemicals Score
AA	Acute Aquatic Toxicant
B	Bioaccumulative
C	Carcinogen
CA	Chronic Aquatic Toxicant
D	Developmental Toxicant
E	Endocrine Disruptor
IrE	Eye Irritant
P	Persistent
R	Reproductive Toxicant
SnS	Skin Sensitizer
ST RE	Specific Organ Toxicity, Repeated Exposure
ST SE	Specific Organ Toxicity, Single Exposure

The entire class of formaldehyde releasing preservative (FRP) should be avoided.

FRP means any preservative chemical that slowly releases formaldehyde to preserve a personal care product.

Chemical Name	CAS #	GS Score	Hazards
Urea, polymer with formaldehyde, isobutylated	68002-18-6	LT-UNK	P
1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	LT-UNK	ST SE, ST RE, AT, SnS, IrE, AA
Polyoxymethylene melamine	9003-08-1	LT-UNK	P
Tris (hydroxymethyl)-nitromethane	126-11-4	LT-UNK	
Methenamine	100-97-0	LT-P1	R, AT, SnS, SnR, IrS, IrE, P, F
Methylol urea	1000-82-4	LT-UNK	
MDM hydantoin	116-25-6	LT-UNK	
Dimethylolethyleneurea	136-84-5	LT-UNK	SnS
Benzylhemiformal	14548-60-8	BM-1	C, M, AT, ST SE, N, SnS, SnR, IrS, IrE, AA, CA
Dimethyloldihydroxyethyleneurea	1854-26-8	LT-UNK	ST SE, SnS, AA
Dimethylhydantoin formaldehyde resin	26811-08-5	LT-UNK	P
Preventol D2	2749-70-4	None	
N-Methylol-chloracetamide	2832-19-1	LT-UNK	C, SnS
Paraformaldehyde	30525-89-4	LT-P1	C, M, AT, SnS, IrS, IrE, AA, P, F
Dimethylolpropyleneurea	3270-74-4	None	
Glyoxalurea	3720-97-6	LT-UNK	
Bioban P-1487	37304-88-4	LT-UNK	
1,3-Dimethyl-4,5-dihydroxyethyleneurea	3923-79-3	LT-UNK	
Imidazolidinyl Urea	39236-46-9	LT-UNK	SnS, IrE, IrS
Quaternium 15	4080-31-3	LT-UNK	R, D, AT, SnS, IrE, IrS, P

Chemical Name	CAS #	GS Score	Hazards
Formaldehyde	50-00-0	BM-1	C, M, D, E, AT, ST SE, ST RE, SnS, SnR, IrE, IrS, AA, CA
Bronopol	52-51-7	LT-P1	E, AT, ST SE, SnS, IrE, IrS, AA
Tetramethylol acetylenediurea	5395-50-6	LT-UNK	SnS
4,4'-Methylenedimorpholine	5625-90-1	LT-1	C, M, AT, ST RE, SnS, IrS, IrE
DMDM hydantoin	6440-58-0	BM-1	C, M, ST SE, SnS, SnR, IrS, AA, CA
N,N'-Methylenebis(5-methyloxazolidine)	66204-44-2	LT-UNK	AT, SnS, IrS, IrE
Dihydroxydimethylolethyleneurea, methylated	68411-81-4	None	
sodium hydroxymethylglycinate (Propyleneglycol hemiformal)	70161-44-3	LT-UNK	SnS, IrS, IrE
Forcide 78 I	77044-78-1	None	
Bioban CS-1246	7747-35-5	LT-UNK	SnS
1,3,5-Triethylhexahydro-s-triazine	7779-27-3	LT-UNK	C, AT, IrS, IrE
Diazolidinylurea	78491-02-8	LT-UNK	SnS, IrS, IrE
Bioban CS-1135	81099-36-7	None	
2-chloro-N-(hydroxymethyl)-acetamide	16228-00-5	None	
Urea, bis(hydroxymethyl)	25155-29-7	LT-UNK	
DMHF	9065-13-8	NA	
N-methylolethanolamine	34375-28-5	LT-P1	
Glyoxal	107-22-2	LT-UNK	C, M, AT, SnS, IrS, IrE, AA
Methylene glycol	463-57-0	None	
methylal	109-87-5	LT-UNK	D, ST, IrS, IrE, P
Dimethylol urea	140-95-4	LT-UNK	
Polyoxymethylene	9002-81-7	None	
Quaternium 15	51229-78-8	LT-P1	R, D, AT, SnS, IrS, IrE, CA, F
Timonacic acid	60731-25-1	None	
Poly(p-toluenesulfonamide-co-formaldehyde) -PTSAF	25035-71-6	LT-UNK	P
Tris(N-hydroxyethyl) hexahydrotriazine	25254-50-6	LT-P1	
Polyoxymethylene Urea	9011-05-6	LT-P1	SnS, SnR, P
5-Bromo-5-nitro-1,3-dioxane	30007-47-7	LT-P1	AT, SnS, IrS, IrE, AA

RED X LIST

Chemicals of Concern ORTHO-PHTHALATES

The entire class of ortho-phthalates should be avoided.

Ortho-phthalates means a class of chemicals that are esters of ortho-phthalic acid.

Chemical Name	CAS #	GS Score	Hazards
DEHP	117-81-7	BM-1	C,R,D, E, ST SE, B
BBP	85-68-7	LT-1	C, R, D, E, ST SE, AA, B
DBP	84-74-2	LT-1	C, R, D, E, ST SE, SnS, IrE, AA
DIDP	26761-40-0	BM-1	D, R, E, ST RE
DnHP	84-75-3	BM-1	C, R, D, E, CA
DINP	28553-12-0	BM-1	R, D, E, ST RE, IrE
DNOP	117-84-0	LT-P1	R, D, E
DEP	84-66-2	LT-P1	D, AA, P
DIBP	84-69-5	LT-1	R, D, E, AA
DPENP	131-18-0	LT-1	R, D, E, AA
DCHP	84-61-7	BM-1	R, D, E, ST SE, ST RE, SnS, CA

Key:

CAS #	Chemical Abstracts Service Number
GS Score	GreenScreen® for Safer Chemicals Score
AA	Acute Aquatic Toxicant
B	Bioaccumulative
C	Carcinogen
CA	Chronic Aquatic Toxicant
D	Developmental Toxicant
E	Endocrine Disruptor
IrE	Eye Irritant
P	Persistent
R	Reproductive Toxicant
SnS	Skin Sensitizer
ST RE	Specific Organ Toxicity, Repeated Exposure
ST SE	Specific Organ Toxicity, Single Exposure