

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		○	○		

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														Diabetes	Obesity	
55406-53-6	Carbamic acid, butyl-, 3-iodo-2-propynyl ester	○			○			GHS 315	GHS 318	GHS 410						
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	○	○		○								○			

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														Diabetes	Obesity	
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			○			

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														Diabetes	Obesity
99-87-6	p-Cymene	○	○					GHS 315	GHS 319	GHS 411		○			
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		○			

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														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 9.1D		○			

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														Diabetes	Obesity	
107-64-2	Distearyldimonium Chloride	○							GHS 318	GHS 410						
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	Dehydroepiandrosterone (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