

Campaign for Safe Cosmetics Red Listed chemicals

References are described in the Executive Summary



Carcinogenicity evidence key:

- International Agency for Research on Cancer (K=known; Pr=Probable; Po=Possible)
- National Toxicology Program Report on Carcinogens (K=Known; RA=Reasonably anticipated)
- EPA IRIS Carcinogen classification (A=Known; B1=Probable; B2=Possible)
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Chemicals to AVOID Using <small>(*indicates ingredients found in products specifically marketed to women of color)</small>	CAS #	Products	Primary Function(s)	Contamination Concerns/ Impurities	International Agency for Research on Cancer	Nat'l Toxicology Program Report on Carcinogens	EPA IRIS Carcinogen classification	Prop 65 Carcinogen	Mammary gland tumors	Endocrine Disrupting Compounds	Developmental Toxicant	Occupational Concern
1,4 Dioxane	123-91-1	possible impurity in thousands of products	contaminant by-product caused by process of ethoxylation (used to reduce irritation when processing petroleum based products)	possible contaminant of ingredients with the prefixes peg or ppg or suffixes -eth (for example, steareth, cetareth, ceteth, laureth)	Po	RA	B2	●				●
2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans isomer) (aka. Sorbaldehyde)	142-83-6	fragrances, anti-wrinkle/anti-aging products, skin moisturizers, sunscreen			Po			●				
2-bromo-2-nitropropane-1,3 diol (see contaminant data)	52-51-7	moisturizer, conditioner, sunless tanning, makeup remover, after shave, facial cleanser, personal cleansing, body wash, exfoliant/scrub	preservative	formaldehyde, nitrosamines (<u>n-nitrosodiethanolamine (NDELA)</u>)								
5-bromo-5-nitro-1,3-dioxane (Bronidox C)	30007-47-7	possible impurity in thousands of products	byproduct/contaminant in some products containing ethanolamines and nitrogen donating ingredients	formaldehyde								
Acetaldehyde	75-07-0	baby skin care, body washes and soaps, fragrances, hair conditioners, hair shampoo, hair styling products, lip sticks, liners, pencils, lip gloss/shine, skin moisturizers			Po	RA		●				●

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Acetic acid, retinyl ester	68-26-8	anti-wrinkle/ anti-aging products	fragrance ingredient; ph adjuster; buffering; masking		PO	RA		●				
<u>Acrylamide</u>	79-06-1	facial cleanser, moisturizer, anti-aging	stabilizer, foam builder, binder	possible contaminant in products containing polyacrylamide	PR	RA	B2	●	●		●	●
All-trans retinoic acid (aka. Tretinoin)	302-79-4	body washes and soaps, hair shampoos, hair styling products, skin moisturizers, indoor tanning products	anti-acne agent								●	
Ammonium Hydroxide*	1336-21-6	hair color and bleaching, facial moisturizer, mascara, acne treatment, sunscreen, eyeliner, eyelash glue	denaturant, ph adjuster, buffering									●
Ammonium Laureth Sulfate (see data for contaminants)	2235-54-3	shampoo, dandruff/scalp treatment, bodywash/cleanser, conditioner, facial cleanser	surfactant - cleansing agent, foam builder	ethylene oxide, 1,4 dioxane								
<u>Arsenic</u>	7440-38-2	eye liner, lip liner, brow liner, lipstick, baby oil, conditioner, moisturizer, styling gel, facial lotion, shampoo, foundation, facial lotion, can be a contaminant in hydrogenated cottonseed oil	contaminant	possible contaminant in products containing hydrogenated cottonseed oil	K	K		●		●	●	●
Benzene	71-43-2	conditioner, styling lotion/gel			K	K		●	●		●	●
Benzophenone	119-61-9	nail polish, lip balm	fragrance, uv light absorber		PO			●		●		
										●		
Benzyl chloride (aka. α-Chlorotoluene, Chloromethylbenzene)	100-44-7	hair conditioners, hair styling products			Pr			●				●

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Butoxyethanol	111-76-2	hair color and bleaching, conditioner, facial cleanser	fragrance ingredient, solvent, viscosity decreasing agent									●
<u>Butylated hydroxyanisole; BHA*</u>	25013-16-5	lotions, lipstick, mascara, nail glue, makeup powders, eyeshadow, blushes, tonics and hair grooming aids, artificial nails, nail polishes and enamels, nail adhesives	antioxidant, fragrance ingredient		Po	RA		●		●		
Butylated hydroxytoluene; BHT*	128-37-0	skin lighteners, lipstick, foundation, eyeshadow, lip gloss, moisturizer, eye liner, facial moisturizer/treatment, sunscreen, anti-aging, antipersperant, blush, bodywash	antioxidant, fragrance ingredient									●
Butylparaben*	94-26-8	baby lotions and oils, soaps and detergents, eyeliner, eye shadow, shampoo, hair preparation, conditioners, moisturizers, skin cleansers	fragrance ingredient, preservative, masking							●		
C.I. Acid Red 114	6459-94-5	bath products, paints			Po			●	●			
Cadmium and cadmium compounds	7440-43-9	baby skin care, facial cream			K	K		●				●
Calcium Hydroxide*	1305-62-0	hair relaxers, depilatory, acne treatment, facial cleanser, styling gel/lotion, anti-aging	ph adjuster									●
<u>Carbon Black</u>	1333-86-4	eyeliner, mascara, nail polish, eye shadow	colorant		Po			●				●

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Ceteareth-20* (see data for contaminants)	68439-49-6	hormone-containing conditioners, skin lighteners, moisturizers, facial moisturizer/treatment, anti-aging, styling gel/lotion, hair color/bleaching, depilatory, sunless tanning	surfactant- cleansing agent, surfactant-solubilizing agent	ethylene oxide, 1,4-dioxane								
Chromium	1333-82-0	facial mask, mascara, acne/rosacea treatment	colorant		K			●			●	●
<u>Coal Tar*</u>	8007-45-2	hair dyes, shampoos, dandruff/scalp treatment, redness/rosacea treatment	anti-dandruff agent, cosmetic biocide, denaturant	Benzo(a)pyrene	K	K	A					●
<u>Cocamide DEA</u> (also see contaminant data)	68603-42-9	dishwashing liquid, cleaners, shampoo, baby bubble bath, shave products, body wash, hair color, hand wash, pet shampoo	surfactant - foam booster; viscosity increasing agent, aqueous	nitrosamines (5-bromo-5-nitro-1,3-dioxane, n-nitrosodiethanolamine (NDELA))	Po			●				
Cocamide MEA (see data for contaminants)	68140-00-1	body washes and soaps, bubble and foam bath products, scrubs and exfoliants, hair shampoos, hand cleansers and sanitizers, acne products, facial cream, skin cleanser, skin moistureizers	surfactant - foam booster; viscosity increasing agent - aqueous; emulsifying	nitrosamines (n-nitrosodiethanolamine (NDELA))								
Cosmetic Talc	14807-96-6	eye shadow, foundation, blush, facial powder, bronzer/highlighter, sunscreen: make up, concealer, eye liner	abrasive; absorbent; anticaking agent; bulking agent; opacifying agent; skin protectant; slip modifier	asbestiform fibers	Po ⁱ							●
DEA-C8-18 Perfluoroalkylethyl Phosphate (see contamination notes)	65530-63-4	foundation	surfactant - emulsifying agent	PFOA								

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<u>Diazolidinyl Urea*</u> (See data for formaldehyde)	78491-02-8	conditioner, moisturizer, foundation, styling gel/lotion, shampoo, anti-aging, acne treatment, facial cleanser, mascara, concealer, body wash	preservative	formaldehyde								
<u>Dibutyl Phthalate (DBP)</u>	84-74-2	artificial nails and related products, basecoat and undercoats, nail polish and enamel	fragrance ingredient, plasticizer, solvent							●	●	●
Dichloroacetic acid	79-43-6	hair shampoos, skin fresheners			Po			●		●	●	
Dichloromethane (Methylene Chloride)	75-09-2	shampoo, conditioner, styling lotion/gel			PO	RA		●	●			●
<u>Diethanolamine (DEAs)*</u> <u>(see contaminant data)</u>	111-42-2	hair dyes, mascara, foundation, fragrances, sunscreens, moisturizer, bubble bath	ph adjuster	nitrosamines <u>(5-bromo-5-nitro-1,3-dioxane, n-nitrosodiethanolamine (NDELA))</u>	Po			●				●
<u>Diethyl Phthalate (DEP)</u>	84-66-2	fragrance, blush, toners/astringents, eyelash glue, mask, facial moisturizer/treatment	denaturant, fragrance ingredient, plasticizer, solvent	possible ingredient in products listing "fragrance"						●		●
Diethylhexyl Phthalate (DEHP)	117-81-7	eyelash glue	fragrance ingredient, plasticizer, solvent			RA	B2				●	●

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Dioxins	35822-46-9/39227-28-6/57653-85-7/19408-74-3/3268-87-9/40321-76-4/1746-01-6	liquid hand soap, body wash/cleanser, toothpaste, antipersperant, acne treatment, mask, concealer, shaving cream, bar soap, after shave, moisturizer, shampoo, tooth whitening	contaminant	possible contaminant in products containing triclosan	K	K	B2	●		●		●
DMDM Hydantoin* (See data for formaldehyde)	6440-58-0	hair dyes, shampoos, conditioners, skin lighteners, body wash/cleanser, styling gel/lotion, moisturizer, facial cleanser, liquid hand soap, dandruff/scalp treatment	preservative	formaldehyde								
Estragole	140-67-0	shampoo, lotion, perfume, body spray, conditioner, facial cleanser						●				
<u>Ethanolamine</u> <u>/Monoethanolamine*</u>	141-43-5	hair color and bleaching, shampoo	ph adjuster									●
Ethyl acrylate	140-88-5	nail polish and enamel			Po			●				●
Ethylene glycol	107-21-1	body washes and soaps, scrubs and exfoliants, fragrances, hair shampoos, permanent waves and wave sets, foundations and bases, skin moisturizers, sunscreen	fragrance ingredient; humectant; solvent; viscosity decreasing agent; viscosity controlling	ethoxyethanol, methoxyethanol						●	●	●

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Ethylene Oxide	75-21-8	possible impurity in thousands of products	sterilant	possible contaminant of ingredients with the prefixes peg or ppg or suffixes -eth (for example, steareth, cetareth, ceteth, laureth)	K	K		●	●			●
Ethylparaben*	120-47-8	baby products, bath preparations, eye makeup, fragrance, hair color, noncoloring hair prep, suntan preparations	fragrance ingredient; preservative							●		
<u>Formaldehyde*</u>	50-00-0	nail polish, eye shadow, mascara, nail treatment, shampoo, blush	preservative	released by the ingredients dmdm hydantoin, diazolidinyl urea, imidazolidinyl urea, quaternium-15, sodium hydroxymethylglycinate, 2-bromo-2-nitropropane-1,3 diol, 5-bromo-5-nitro-1,3-dioxane	K	K	B1	●				●
<u>Galaxolide</u>	1222-05-5	fragrance, facial moisturizer/treatment, anti-aging, skin fading/lightener, facial cleanser	fragrance ingredient	possible ingredient in products listing "fragrance"						●		
Genistein (purified)	446-72-0	acne products, anti-wrinkle/ anti-aging products, skin cleansers, skin moisturizers, skin toners								●		
Homosalate	118-56-9	sunscreen, facial moisturizer/treatment, baby sunscreen	uv absorber, sunscreen agent, fragrance ingredient							●		

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Hydrogenated Cottonseed Oil (see contaminant data for mercury, arsenic, lead)	68334-00-9	eye liner, lip liner, brow liner, lipstick, baby oil, conditioner, moisturizer, styling gel	skin-conditioning agent - occlusive; viscosity increasing agent - nonaqueous; emollient; skin conditioning	mercury, arsenic, lead, pesticides								
Hydroquinone*	123-31-9	skin lighteners, facial moisturizer, nail glue, sunscreen								●		●
Imidazolidinyl Urea* (See data for formaldehyde)	39236-46-9	facial moisturizer, eye shadow, anti-aging, shampoo, mascara, styling gel/lotion, eye liner, conditioner, eye makeup remover	preservative	formaldehyde								
Lauramide DEA (see contaminant data)	120-40-1	body washes and soaps, bubble and foam bath products, hair shampoos, hair styling products, hair cleansers and sanitizers, skin cleansers	surfactant - foam booster; viscosity increasing agent - aqueous; antistatic; foam boosting; viscosity controlling	nitrosamines (<u>n-nitrosodiethanolamine (NDELA)</u>)								
Lead & Lead compounds, Lead Acetate*	7439-92-1	hair dyes, lipstick, lip gloss, hair color and bleaching, conditioner	colorant	possible contaminant in products containing hydrogenated cottonseed oil and hydrogenated cottonseed glyceride, sodium hexametaphosphate *also in lipstick	Pr	RA	B2	●				●

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<u>Mercury (element)</u>	7439-97-6	eyedrops, mineral foundation		possible contaminant in products containing hydrogenated cottonseed oil and hydrogenated cottonseed glyceride				●			●	●
<u>Methanol</u>	67-56-1	hair conditioners, eyeliners/ eyebrow pencils, facial cream, skin moisturizers	denaturant; fragrance ingredient; solvent								●	●
<u>Methoxyethanol</u>	109-86-4										●	●
<u>Methyl chloride</u>	74-87-3	hair conditioners, hair shampoos, hair styling products									●	●
<u>Methyl Methacrylate</u>	80-62-6	nail polish, facial moisturizer/treatment, anti-aging, foundation, eyelash glue										●
<u>Methylene glycol (formaldehyde solution)ⁱⁱ</u>	463-57-0	hair care products, nail products		formaldehyde								
<u>Methyleugenol</u>	93-15-2	sunless tanning, body oil, body spray	fragrance ingredient; masking		Po	RA		●	●			
<u>Mica</u>	12001-26-2	fragrance, hair shampoos, blushes, eye shadow, eyeliner/eyebrow pencils, face powders, foundations and bases, lipstick, lip gloss, nail products, facial creams and other skin care products	colorant; opacifying									●
<u>Mineral oils, untreated and mildly treated (--)</u>	several dozen generic CAS numbers related to petroleum products	eye shadow, moisturizer, lip gloss, lipstick, conditioner, hair color and bleaching, styling gel/lotion, blush, facial moisturizer/treatment, foundation, concealer, facial powder	fragrance ingredient; hair conditioning agent; skin-conditioning agent - emollient;		K	K		●				●

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<u>musk xylene</u>	81-15-2	nail polish, fragrance	fragrance ingredient, solvent	possible ingredient in products listing "fragrance"						●		
Nickel (Metallic)	7440-02-0	skin cleanser			●	RA		●				
N-Methylpyrrolidone (Methyl Pyrrolidone)	872-50-4	mascara, nail treatment, hair dye									●	
<u>N-Nitrosodiethanolamine (NDELA)</u>	1116-54-7	possible impurity in thousands of products	byproduct/contaminant in some products containing ethanolamines and nitrogen donating ingredients	possible contaminant in products containing ethanolamines: MEA, DEA, TEA	Po	RA	B2					
Nonoxynol-# (see contaminant data)	26027-38-3	conditioner, styling gel/lotion, eye liner, detangler, shampoo	surfactant- emulsifying agent	ethylene oxide, 1,4-dioxane								
Octinoxate*	5466-77-3	sunscreen, foundation, conditioner, hair spray, lip gloss, shampoo, facial moisturizer, fragrance, styling gel/lotion, eye shadow, baby sunscreen, concealer, body spray, bronzer	uv absorber, uv filter							●		
Octoxynol-40* (see contamination notes)	9081-99-6/9002-93-1	conditioner, hair color/bleaching, hair spray, dandruff/scalp treatment, shampoo	surfactant- cleansing agent, surfactant-solubilizing agent	ethylene oxide, 1,4-dioxane								
Oil Orange SS	2646-17-5	nail polish and enamel removers, anti-wrinkle/anti-aging products, facial cream, skin moistures, skin toner, sunscreen			Po			●				
o-Phenylenediamine and its salts	95-54-5	hair dyes and colors, hair tints and rinses						●				

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o-Phenylphenol	90-43-7	facial cleanser, facial moisturizer	cosmetic biocide; fragrance ingredient; preservative					●		●		
Oxybenzone (2-Hydroxy-4-methoxybenzophenone or benzophenone-3)*	131-57-7	sunscreen, nail polish, fragrance, hair spray, baby sunscreen, conditioner, lip balm, moisturizer, foundation, anti-aging, shampoo	sunscreen agent; ultraviolet light absorber; uv filter							●		
Padimate O (see contaminant data)	21245-02-3	sunscreen: lipbalm, lipstick, conditioner, skin fading/lightener, moisturizer	uv absorber, uv filter	nitrosamines (n-nitrosodiethanolamine (NDELA))								
Para-aminobenzoic acid (PABA)	150-13-0	bodywash/cleanser, shampoo, facial cleanser	uv absorber, uv filter							●		
PEG-10 Sorbitan Laurate (see contaminant data)	93906-96-8/9005-64-5	dandruff/scalp treatment shampoo	fragrance ingredient, surfactant- cleansing agent, surfactant-solubilizing agent	ethylene oxide, 1,4-dioxane								
<u>Perfluorooctanoic Acid (PFOA)</u>	335-67-1	eye shadow, foundation, facial powder, highlighter, blush, sunscreen, mascara	contaminant in fluorinated compounds	possible contaminant in products containing polytetrafluoroethylene, polyperfluoromethyl isopropyl ether, dea-c8-18 perfluoroalkylethyl phosphate	Po				●	●	●	
Permethrin	52645-53-1	spray								●		

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Petrolatum <small>(see data on PAHs)</small>	8009-03-8	moisturizer, sunscreen: lip balm, lipstick, antipersperant/deodorant, styling gel/lotion, lip gloss, lip balm, anti-itch/rash cream, anti-aging, diaper cream, foot moisturizer, facial cleanser	emollient, mosturizer, uv absorber	PAHs								
Phenacetin	62-44-2	styling gel/lotion	stabilizer		K	RA		●	●			
Phenol	108-95-2	sunscreen: lip balm, lip balm, wound treatment, anti-itch cream, body spray	antimicrobial agent; cosmetic biocide; denaturant; deodorant agent; exfoliant; external analgesic; fragrance ingredient; oral health care drug; preservative								●	●
Placental Extract/Protein* <small>(see contamination notes)</small>	91080-01-2	conditioner, facial moisturizer/treatment, mask	act as moisturizers and add sheen to skin or hair	progesterone, estrogen								
Polyacrylamide <small>(see data on acrylamide)</small>	79-06-1	facial cleanser, moisturizer, anti-aging	stabilizer, foam builder, binder	acrylamide								
Polycyclic Aromatic Hydrocarbons (PAHs)	50-32-8/192-65-4/189-64-0/191-30-0/120-12-7/2 dozen more	moisturizer, sunscreen: lip balm, lipstick, antipersperant/deodorant, styling gel/lotion, lip gloss, lip balm, anti-itch/rash cream, anti-aging, diaper cream, foot moisturizer, facial cleanser	contaminant in petroleum-derived ingredients	possible contaminant in products containing petrolatum	Pr	RA	B2	●	●	●		●
Polyethylene <small>(environmental pollutant: plastic)</small>	9002-88-4	microbeads found in facial cleanser, anti-aging, bodywash/cleanser, exfoliant/scrub										

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Polyperfluoromethylisopropyl Ether <small>(see contamination notes)</small>	69991-67-9	eye shadow, lipstick	skin-conditioning	pfoa								
<u>Polytetrafluoroethylene (PTFE)</u> <small>(see contaminant data)</small>	9002-84-0	eye shadow, foundation, facial powder, highlighter, blush, sunscreen, mascara	bulking agent; slip modifier; binding; skin conditioning	pfoa								
<u>P-Phenylenediamine</u>	106-50-3	hair color/bleaching	hair colorant									●
Progesterone	57-83-0	hair conditioners, hair styling products, skin moisturizers	skin-conditioning agent - miscellaneous			RA		●	●			
Propylene oxide	75-56-9	hair conditioners, hair shampoos, hair styling products			Po	RA		●	●			●
<u>Propylparaben*</u>	94-13-3	baby products, bath preparations, eye makeup, fragrance, noncoloring hair preparations, hair color, nail care, oral hygiene products	preservative, antibiotic and anti-fungal properties							●		
<u>Quaternium-15</u> <small>(see contaminant data)</small>	4080-31-3	eye shadow, foundation, facial powder, blush, body wash/cleanser, mascara, shampoo, conditioner, baby shampoo, hair color/bleaching, facial cleanser, baby soap, styling gel/lotion, bubble bath, bronzer/highlighter, nail treatment	preservative, antistatic agent	formaldehyde								
Quinoline and its strong acid salts	91-22-5	hand cleansers and sanitizers, skin fresheners						●				

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<u>Resorcinol*</u>	108-46-3	hair color/bleaching, acne treatment, bar soap, moisturizer, facial moisturizer/treatment	fragrance ingredient, hair colorant							●		●
<u>Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (--)</u>	68-26-8/79-81-2 and others	nail polish and enamel, anti-wrinkle/ anti-aging products	skin-conditioning agent								●	
<u>Safrole/Sassafras oil</u>	94-59-7	shampoo, conditioner, deodorant, body wash, lotion			Po	RA		●				
<u>Selenium sulfide</u>	7446-34-6	hair shampoos	antidandruff agent; hair conditioning agent			RA		●				
<u>Silica, crystalline (airborne particles of respirable size)</u>	014808-60-7	foundation, eye shadow, scar treatment, lipstick, blush, pain relief	abrasive		K	K		●				●
<u>Sodium Hydroxide*</u>	1310-73-2	moisturizer, facial moisturizer/treatment, bar soap, shampoo, relaxers, anti-aging, acne treatment, sunscreen, conditioner, tooth whitening, baby lotion, baby soap, depilatory, after shave, body firming lotion	ph adjuster, denaturant									●
<u>Sodium hydroxymethyl-glycinate (see contaminant data)</u>	70161-44-3	moisturizer, facial cleanser, facial moisturizer/treatment, shampoo, bodywash, baby soap, baby wipes, around eye cream, bubble bath, baby bubble bath, styling mousse/foam	preservative, hair conditioning agent	formaldehyde								

<u>Chemicals to AVOID Using</u> (*indicates ingredients found in products specifically marketed to women of color)	<u>CAS #</u>	<u>Products</u>	<u>Primary Function(s)</u>	<u>Contamination Concerns/ Impurities</u>	International Agency for Research on Cancer	Nat'l Toxicology Program Report on Carcinogens	EPA IRIS Carcinogen classification	Prop 65 Carcinogen	Mammary gland tumors	Endocrine Disrupting Compounds	Developmental Toxicant	Occupational Concern
Sodium laureth sulfate* (see contaminant data)	9004-82-4	shampoo, body wash, facial cleanser, conditioner, dandruff/scalp treatment, liquid hand soap, mascara, exfoliant/bath scrub, bubble bath, acne treatment, baby shampoo, anti-aging, shaving cream, facial moisturizer/treatment, makeup remover, baby bubble bath	surfactant- cleansing agent, surfactant-solubilizing agent	ethylene oxide, 1,4-dioxane								
Styrene (Cinnamene)	100-42-5	sunscreen, nail polish	perfuming		Po	RA			●	●	●	●
<u>TEA-Lauryl Sulfate</u> (see contaminant data)	139-96-8	hand cleansers and sanitizers, skin cleansers	surfactant - cleansing agent; emulsifying; foaming	nitrosamines (5-bromo-5-nitro-1,3-dioxane, n-nitrosodiethanolamine (NDELA))								
Thimerosal (ethylmercury) (see contamination notes)	54-64-8	mercury	preservative	mercury								
Titanium dioxide	13463-67-7	nail polish, eye shadow, foundation, lipstick, lip gloss, eye liner, blush, concealer, facial powder, mascara, sunscreen: makeup, toothpaste, anti-aging moisturizer, lipstick, foundation, facial moisturizer/treatment, anti-aging, conditioner, sunscreen, eye shadow, lip gloss, shampoo, bodywash/cleanser, facial cleanser, nail polish, mascara, concealer, around-eye cream	colorant; opacifying agent; sunscreen agent; ultraviolet light absorber		PO			●				●
Tocopheryl Acetate (see contaminant data)	58-95-7	shampoo, body wash, facial cleanser, conditioner, dandruff/scalp treatment, liquid hand soap, mascara, exfoliant/bath scrub, bubble bath, acne treatment, baby shampoo, anti-aging, shaving cream, facial moisturizer/treatment, makeup remover, baby bubble bath	skin conditioning	hydroquinone								

Chemicals to AVOID Using (*indicates ingredients found in products specifically marketed to women of color)	CAS #	Products	Primary Function(s)	Contamination Concerns/ Impurities	International Agency for Research on Cancer	Nat'l Toxicology Program Report on Carcinogens	EPA IRIS Carcinogen classification	Prop 65 Carcinogen	Mammary gland tumors	Endocrine Disrupting Compounds	Developmental Toxicant	Occupational Concern
<u>Toluene*</u>	108-88-3	nail polish, nail treatment, hair color/bleaching	solvent, antioxidant	benzene								●
<u>Tonalide</u>	1506-02-1/ 21145-77-7	fragrance, facial cleanser	fragrance ingredient	possible ingredient in products listing "fragrance"						●		
<u>Triclocarban</u>	101-20-2	bar soap, antipersperant/deodorant, acne treatment, facial cleanser, liquid hand soap	cosmetic biocide, preservative, deodorant agent							●		
<u>Triclosan</u> <u>(see contaminant data)</u>	3380-34-5	liquid hand soap, body wash/cleanser, toothpaste, antiperspirant, acne treatment, mask, concealer, shaving cream, bar soap, after shave, moisturizer, shampoo, tooth whitening	cosmetic biocide, preservative, deodorant agent	chloroform, dioxins								
<u>Triethanolamine (TEAs)*</u> <u>(see contaminant data)</u>	102-71-6	moisturizer, mascara, facial moisturizer, anti-aging, styling lotion/gel, sunscreen, facial cleanser, foundation, after sun product, eye liner, shaving cream, conditioner, hand cream, acne treatment, foot moisturizer	fragrance ingredient; ph adjuster; surfactant - emulsifying agent	nitrosamines <u>(n-nitrosodiethanolamine (NDELA))</u>								

ⁱ perineal use

ⁱⁱ Methylene glycol is formaldehyde in solution. It has a different chemical structure, but will convert to formaldehyde when exposed to high heat. These are common in hair straighteners, used with straightening irons. The Occupational Health and Safety Agency includes formaldehyde solution in worker protections and the EPA uses the term "formaldehyde" to refer to both formaldehyde gas and solutions.