

Common chemicals found in cosmetics

Chemical	Description	Commonly found in...	What to look for on the label
1,4-DIOXANE	A carcinogen linked to organ toxicity. Not found on ingredient labels, because it's a contaminant created when common ingredients react when mixed together.	<input type="checkbox"/> Products that create suds: <input type="checkbox"/> Shampoo <input type="checkbox"/> Handwash <input type="checkbox"/> Bubble bath <input type="checkbox"/> Foaming cleansers	<input type="checkbox"/> Sodium laureth sulfate <input type="checkbox"/> PEG <input type="checkbox"/> Chemicals that include xynol, cetareth and oleth
BENZOPHENONE & derivatives	Common sunscreen ingredients. Benzophenone is persistent, bioaccumulative and toxic - with links to cancer, endocrine disruption, and organ system toxicity.	<input type="checkbox"/> Lip balm <input type="checkbox"/> Nail polish <input type="checkbox"/> Foundations <input type="checkbox"/> Baby sunscreens <input type="checkbox"/> Fragrance <input type="checkbox"/> Shampoo <input type="checkbox"/> Conditioner <input type="checkbox"/> Hair spray <input type="checkbox"/> Moisturisers	<input type="checkbox"/> Benzophenone <input type="checkbox"/> Oxybenzone <input type="checkbox"/> Sulisobenzene <input type="checkbox"/> Sulisobenzene sodium
BUTYLATED COMPOUNDS	Used as preservatives -linked to several health concerns including endocrine disruption and organ-system toxicity.	<input type="checkbox"/> Lip products <input type="checkbox"/> Hair products <input type="checkbox"/> Makeup <input type="checkbox"/> Sunscreen <input type="checkbox"/> Antiperspirant/deodorant <input type="checkbox"/> Fragrances <input type="checkbox"/> Creams	<input type="checkbox"/> BHA <input type="checkbox"/> BHT
COAL TAR	A known carcinogen derived from burning coal. Application of and exposure to coal tar produce skin tumors and neurological damage.	<input type="checkbox"/> Shampoos <input type="checkbox"/> Soaps <input type="checkbox"/> Hair dyes <input type="checkbox"/> Lotions	<input type="checkbox"/> Coal tar solution <input type="checkbox"/> Tar <input type="checkbox"/> Coal <input type="checkbox"/> Carbo-cort <input type="checkbox"/> Coal tar solution USP <input type="checkbox"/> Crude coal tar <input type="checkbox"/> Estar <input type="checkbox"/> Impervotar <input type="checkbox"/> KC 261 <input type="checkbox"/> Lavatar <input type="checkbox"/> Picis carbonis <input type="checkbox"/> Naphtha <input type="checkbox"/> High solvent naphtha <input type="checkbox"/> Naphtha distillate <input type="checkbox"/> Benzin B70 <input type="checkbox"/> Petroleum benzin [3,4]



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ETHANOLAMINE COMPOUNDS (MEA, DEA, TEA AND OTHERS)	Linked to liver tumors.	<input type="checkbox"/> Soaps <input type="checkbox"/> Shampoos <input type="checkbox"/> Hair conditioners <input type="checkbox"/> Hair dyes <input type="checkbox"/> Lotions <input type="checkbox"/> Shaving creams <input type="checkbox"/> Paraffin and waxes <input type="checkbox"/> Household cleaning products <input type="checkbox"/> Pharmaceutical ointments <input type="checkbox"/> Makeup <input type="checkbox"/> Fragrances <input type="checkbox"/> Sunscreens	<input type="checkbox"/> Triethanolamine <input type="checkbox"/> Diethanolamine <input type="checkbox"/> DEA <input type="checkbox"/> TEA <input type="checkbox"/> Cocamide DEA <input type="checkbox"/> Cocamide MEA <input type="checkbox"/> DEA-cetyl phosphate <input type="checkbox"/> DEA oleth-3 phosphate <input type="checkbox"/> Lauramide DEA <input type="checkbox"/> Linoleamide MEA <input type="checkbox"/> Myristamide DEA <input type="checkbox"/> Oleamide DEA <input type="checkbox"/> Stearamide MEA <input type="checkbox"/> TEA-lauryl sulfate
FORMALDEHYDE AND FORMALDEHYDE-RELEASING PRESERVATIVES	Formaldehyde and formaldehyde-releasing preservatives (FRPs) are linked to cancer and allergic skin reactions.	<input type="checkbox"/> Nail products <input type="checkbox"/> Hair products <input type="checkbox"/> Baby shampoo <input type="checkbox"/> Body wash <input type="checkbox"/> Colour cosmetics	<input type="checkbox"/> Formaldehyde <input type="checkbox"/> Quaternium-15 <input type="checkbox"/> DMDM hydantoin <input type="checkbox"/> Imidazolidinyl urea <input type="checkbox"/> Diazolidinyl urea <input type="checkbox"/> Polyoxymethylene urea <input type="checkbox"/> Sodium hydroxymethylglycinate <input type="checkbox"/> 2-bromo-2-nitropropane-1 <input type="checkbox"/> 3-diol (bromopol) <input type="checkbox"/> Glyoxal
HOMOSALATE	A potential endocrine disruptor that may impact hormones and may also enhance the absorption of pesticides in the body.	<input type="checkbox"/> Sunscreen <input type="checkbox"/> Skin Care Products with Sun Protection	<input type="checkbox"/> Homosalate <input type="checkbox"/> Homomenthyl salicylate <input type="checkbox"/> HMS <input type="checkbox"/> HS; 3,3,5-trimethyl-cyclohexyl-salicylate
HYDROQUINONE	Linked to cancer and organ-system toxicity.	<input type="checkbox"/> Skin lighteners <input type="checkbox"/> Cleansers <input type="checkbox"/> Face moisturisers <input type="checkbox"/> Hair conditioners <input type="checkbox"/> Nail coating products	<input type="checkbox"/> Hydroquinone <input type="checkbox"/> Tocopheryl acetate

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METHYLISOTHIAZOLINONE AND METHYLCHLOROISOTHIAZOLINONE	A common preservative found in many liquid personal care products; linked to lung toxicity, allergic reactions and possible neurotoxicity.	<input type="checkbox"/> Shampoo <input type="checkbox"/> Conditioner <input type="checkbox"/> Hair colour <input type="checkbox"/> Body wash <input type="checkbox"/> Lotions <input type="checkbox"/> Sunscreen <input type="checkbox"/> Cosmetics <input type="checkbox"/> Baby products <input type="checkbox"/> Hand wash	<input type="checkbox"/> Methylisothiazolinone (MIT): 2-methyl-4-isothiazoline-3-one <input type="checkbox"/> Neolone 950 preservative <input type="checkbox"/> MI <input type="checkbox"/> OriStar MIT <input type="checkbox"/> Microcare MT <input type="checkbox"/> Methylchloroisothiazolinone (CMIT): 5-Chloro-2-methyl-4-isothiazolin-3-one and MCI
OCTINOXATE	Can be absorbed rapidly through skin. An endocrine disruptor that mimics estrogen and can disrupt thyroid function.	<input type="checkbox"/> Hair colour products and shampoos <input type="checkbox"/> Sunscreen <input type="checkbox"/> Colour cosmetics <input type="checkbox"/> Nail polish <input type="checkbox"/> Skin creams	<input type="checkbox"/> Octinoxate <input type="checkbox"/> Methoxycinnamate (OMC) <input type="checkbox"/> Parsol <input type="checkbox"/> Parsol MCX <input type="checkbox"/> Parsol MOX <input type="checkbox"/> Escalol <input type="checkbox"/> 2-ethylhexyl p-methoxycinnamate
PABA	May alter thyroid activity and have additional endocrine disrupting properties.	<input type="checkbox"/> Sunscreens	<input type="checkbox"/> PABA <input type="checkbox"/> OD-PABA <input type="checkbox"/> Padimate O <input type="checkbox"/> 4-aminobenzoic acid <input type="checkbox"/> Para-aminobenzoic acid <input type="checkbox"/> P-aminobenzoic acid <input type="checkbox"/> Et-PABA, 2-ethylhexyl ester <input type="checkbox"/> P-carboxyaniline
PETROLATUM, PETROLEUM JELLY	Not fully refined petroleum Jelly can be contaminated with toxic chemicals called polycyclic aromatic hydrocarbons (PAHs).	<input type="checkbox"/> Balms <input type="checkbox"/> Creams <input type="checkbox"/> Lotions	<input type="checkbox"/> Petrolatum <input type="checkbox"/> Petroleum Jelly <input type="checkbox"/> Paraffin Oil <input type="checkbox"/> Mineral Oil
PHENOXYETHANOL	Can cause eczema and skin allergic reactions.	<input type="checkbox"/> All skincare products <input type="checkbox"/> All cosmetic products <input type="checkbox"/> All personal care products	<input type="checkbox"/> Phenoxyethanol <input type="checkbox"/> 2-Phenoxyethanol <input type="checkbox"/> Euxyl K® 400 (mixture of Phenoxyethanol and 1,2-dibromo-2,4-dicyanobutane) <input type="checkbox"/> PhE

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PHTHALATES	Linked to endocrine disruption, developmental and reproductive toxicity, and cancer.	<input type="checkbox"/> Colour cosmetics <input type="checkbox"/> Fragranced lotions <input type="checkbox"/> Body washes <input type="checkbox"/> Hair care products <input type="checkbox"/> Nail polish and treatments	<input type="checkbox"/> Phthalate <input type="checkbox"/> DEP <input type="checkbox"/> DBP <input type="checkbox"/> DEHP
PARABENS	Endocrine-disrupting that can be absorbed through skin, blood and the digestive system.	<input type="checkbox"/> Shampoos <input type="checkbox"/> Conditioners <input type="checkbox"/> Lotions <input type="checkbox"/> Cleansers <input type="checkbox"/> Body wash & scrubs	<input type="checkbox"/> Ethylparaben <input type="checkbox"/> Butylparaben <input type="checkbox"/> Methylparaben <input type="checkbox"/> Propylparaben <input type="checkbox"/> Isobutylparaben <input type="checkbox"/> Other ingredients ending in -paraben
RETINOL AND RETINOL COMPOUNDS	Retinol (Vitamin A) can be harmful in certain forms. Two derivatives – retinoic acid and retinyl palmitate – should be avoided in cosmetics and personal care products while retinol itself should not be used at high doses.	<input type="checkbox"/> Anti-ageing creams and lotions <input type="checkbox"/> Moisturisers <input type="checkbox"/> Foundation	<input type="checkbox"/> Retinol (follow up with manufacturer what type) <input type="checkbox"/> Vitamin A (follow up with manufacturer what type) <input type="checkbox"/> Retinyl acetate <input type="checkbox"/> Retinyl palmitate <input type="checkbox"/> All-trans retinoic acid <input type="checkbox"/> Tretinoin

