

Eco Mamas Market: No Nasties List

Products sold on Eco Mamas Market cannot contain any of these ingredients

The below list of chemicals have been linked to, or are suspected to cause, harmful affects. At Eco Mamas Market we do not want to promote these harmful substances, especially for products which will be affecting our little ones, so please ensure that your products do not include any of these. Thank you.

NOTE:

We have not listed all harmful chemicals, only those likely to be found in baby and child products.

We reserve the right to amend this list as more information becomes available and product ranges widen



Name	Common uses:	Usually found in:	EWG rating	Primary health concern	Other health concern	Environmental concerns
Artificial colours (FD&C or D&C followed by color and/or number)	Adding colour	Skin care, food and drinks	various	Petroleum based; linked to allergies, cancer, and ADHD		
Benzalkonium Chloride (BAC) and Benzethonium Chloride	Antimicrobial agent, preservative, biocide	Wet wipes, moisturiser, sunscreen, eye drops, nasal sprays	4-6	Skin, eye and respiratory irritant and allergen; may trigger asthma	Possibly detrimental to immune system. Possible carcinogen.	Toxic to aquatic life
Benzophenone-1	Sunscreen-UV absorber	sunscreens and skin care	4	Endocrine disruption	Skin allergen	Toxic to aquatic life
Benzophenone-3/ Oxybenzone	Sunscreen-UV absorber, penetration enhancer	Sunscreens, skin care and makeup	6-8	Produces excess reactive oxygen species that can interfere with cellular signaling, cause mutations, lead to cell death and may be implicated in cardiovascular disease.	Associated with photoallergic reactions and immunotoxicity. Possible endocrine disruptor. Probable carcinogen .	Toxic to aquatic life
Benzophenone-4/ Sulisobenzone	Sunscreen-UV absorber, penetration enhancer	sunscreens and skin care	3	Skin and eye irritation.	Some association with hormone disruption	Toxic to aquatic life
Benzophenone-8/ Dioxybenzone	Sunscreen-UV absorber	sunscreens and skin care	2	Allergen		Toxic to aquatic life
3-Benzylidene camphor	Sunscreen-UV absorber	Sunscreen, whitening products	not stated	Endocrine disruptor		Toxic to aquatic life
Bisphenol-A (BPA)	Resins and plastics	Hard plastic, tins for tinned food, make-up, nail polish, paper	n/a	Endocrine disruptor		Environmental toxin; toxic to aquatic life
Bisphenol-S (BPS)	Replacement of BPA where BPA is restricted	Hard plastic, tins for tinned food, make-up, nail polish, paper	n/a	Endocrine disruptor		Environmental toxin; toxic to aquatic life
Bronopol/ 2-bromo-2-nitropropane-1,3-diol / 1,3-propanediol	Preservative	Moisturizer, body wash, facial cleanser, skin care products	5-9	Formaldehyde releasing, forms nitrosamines when in the presence of amines such as MEA, DEA and TEA. Nitrosamines are likely carcinogens	Lung and skin toxin. Probable immune system toxicant	Environmental toxin; toxic to aquatic life
Butylated Hydroxytoluene (BHT)/ Butylated Hydroxyanisole (BHA)	Preservative and antioxidant	Broad skin care use	4	Conflicting info but banned in the EU. Organ system toxicity	Skin, eye and lung irritant. Possible carcinogen and endocrine disruptor. Animal tests show developmental toxicity	Toxic to aquatic life; bioaccumulates
Chloroxylenol	Antibacterial	Soap, hand sanitisers	3	Currently under review by FDA for same reasons as triclosan. We are therefore being cautious and not accepting this ingredient. Skin, eye and lung irritant		Persistent and bioaccumulates
Coal Tar	Controls itching and eczema, softens and promotes the dissolution of hard, scaly, rough skin	Shampoo, soaps and skin lotions	8-10	Known human carcinogen	Skin and respiratory toxicant	Toxic to aquatic life
Cocamidopropyl Butaine	Surfactant	Bath products, skin care, hair care, cleaning	2-5	Voted allergen of the year in 2004 - skin and eye irritant. Often marketed as 'natural' as it is derived from coconut oil, but it is reacted with dimethylaminopropylamine		Toxic to aquatic life
DEET N N-Diethyl-meta-toluamide	Insect repellent	Insect repellent	2-5	Irritant to skin, eyes and lungs	Probable neurotoxin	Toxic to wildlife

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Ethanolamines (including triethanolamine (TEA), diethanolamine (DEA), monoethanolamine (MEA) and anything with MEA, TEA or DEA	pH balancer, emulsifying agent	Shampoos, bath products, sunscreen, moisturizer, foundation, hair color	Varies - to 10	Forms nitrosamines which are likely carcinogens	Immune, respiratory and skin toxicant; organ system toxicant; skin, eye and lung irritant	Environmental toxin
Ethoxylated ingredients: PPG, PEG, polysorbate and ingredients that end in -eth such as laureth, steareth, cetareth	Surfactant, emulsifying or cleansing agent, penetration enhancer	Shampoo, liquid soap, bubble bath, hair relaxers	various	Ethoxylated ingredients on their own are of low concern, however, the process of ethoxylation, may leave behind trace amounts of carcinogens; ethylene oxide and 1,4-dioxane. Both have been linked to cancers and other affects- refer to those sections		Environmental toxin
Ethyl-hexyl p-methoxycinnamic acid/ Octyl methoxycinnamate/ Octinoxate	UV absorber, penetration enhancer	Sunscreen, skin care	6	Endocrine disruptor	Allergen. Produces excess reactive oxygen species that can interfere with cellular signaling, cause mutations, lead to cell death and may be implicated in cardiovascular disease	Toxic to aquatic life. Persistent effect in the environment
Flame retardants	Slow down the spread of fire	Furnishings, mattresses, building materials, electronics, car seats	n/a	Depending on type. Most common can lead to endocrine disruption and developmental issues and neurological issues in children	Carcinogen; immune system toxicant; reproductive toxicant	Bio-accumulates, environmental toxin
Foam - Polyurethane foam and synthetic latex foam	Stuffing	Furniture, mattresses, cushions	n/a	VOCs - irritant and some VOCs are carcinogenic	If treated with flame retardants	Not bio-degradeable, environmental toxin
Formaldehyde	Disinfectant, germicide, fungicide, preservative	Deodorant, nail polish, soap, shampoo, shaving cream	8-10	Known carcinogen	Immune system, respiratory, hematological, and skin toxicant; may trigger asthma	Environmental toxin
Formaldehyde releasing preservatives (Quaternium-15, DMDM Hydantoin, Diazolidinyl Urea and Imidazolidinyl Urea, DEA, MEA, TEA Sodium Hydroxymethylglycinate)	Anti-microbial preservative	Many cosmetics and personal care products, read labels	4-8	Formaldehyde releasing- carcinogen	Eye, skin and lung irritant. Probable immune system toxicant	Environmental toxin
Fragrance (Parfum)	Deodorant, masking, perfuming	Nearly everything: personal care, laundry and cleaning products, candles, air freshener	8	Can contain between 10 and 300 different chemicals, many of which have never been tested for safety; see phthalates. Labeling can be confusing. If uncertain, check with manufacture	Immune system toxicant; skin irritant; possible neurotoxin;	Environmental toxin; toxic to aquatic life; persistent and bioaccumulates
Homosalate	Sunscreen-UV absorber	Sunscreens, skin care products	2-4	Lower risk but high impact to the environment	Endocrine disruptor; organ system toxicity	Toxic to aquatic life
Octisalate	Antioxidant, fragrance ingredient, skin bleaching agent, hair colorant	Skin fading/lightener, facial moisturizer, anti-aging, serums, sunscreen, facial cleanser and moisturizer	6-9	Organ and respiratory toxicant	Skin irritant; possible carcinogen	Environmental toxin; toxic to aquatic life
Octocrylene	UV absorber, penetration enhancer	Sunscreens, skin care and makeup	2-3	Lower risk but high impact to the environment	Produces excess reactive oxygen species that can interfere with cellular signaling, cause mutations, lead to cell death and may be implicated in cardiovascular disease.	Toxic to aquatic life; persistent and bioaccumulates
Iodopropynyl Butylcarbamate (IPBC)	Preservative	Sunscreen, many cosmetics and personal care products	3-6	Allergen	Possible liver immune system toxin	Toxic to aquatic life

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Isothiazolinones (methyl-, methylchlororand benz-)	Preservative	Sunscreen, baby powder, many cosmetics and personal care products	3-7	Allergin	Immune system and skin toxicant; possible neurotoxin	Toxic to aquatic life
Lead and Lead Components	Colorant	Hair dye, hair products, paint	10	Organ system and respiratory toxicant	Developmental, gastrointestinal and reproductive toxicant; reduced fertility; Probable carcinogen	Environmental toxin, persistent and bioaccumulates
Methylisothiazolinone (MI/MCI) and Methylchloroisothiazolinone (MIT)	Preservative	Wet wipes, laundry detergent, soaps, cleansers and other personal and cleaning products	4-7	Immune system and skin toxicant	Animal studies show restricted growth of the axons and dendrites of immature nerves, neurotoxicity and positive mutation results; can lead to a malfunction in the way neurons communicate with each other; especially detrimental to a developing nervous system	Toxic to aquatic life
Para-aminobenzoic acid (PABA)	Sunscreen-UV absorber	Sunscreen, skin care	3-6	Allergen	Possible carcinogen	Toxic to aquatic life
Parabens (Methyl, Ethyl, Propyl and Butyl)	Preservative and anti-bacterial agent	Most skin and hair care and cosmetics	7-8	Endocrine disruptor - Can alter hormone levels, possibly increasing risk for certain types of cancer, impaired fertility, or alteration of the development of a fetus or young child; studies have found parabens in breast tumors	Skin irritant, probable skin toxicant	Environmental toxin
Permethrin	Pesticide	Insect repellents; treat clothes and outdoor gear	4-5	Skin irritant; neurotoxin	Possible carcinogen	Toxic to aquatic life
Petrolatum/ Petroleum jelly/ Soft paraffin and mineral oil	Forms barrier on skin; makes lipsticks shine and creams smoother; inexpensive skin softener	Baby washes and lotions, skin care products	1-4	Petroleum jelly and mineral oil used in cosmetics is the ultra-refined variety which is considered 'safe'. We are not accepting this ingredient though due to the environmental impact		Derived from crude oil, a non-renewable resource. The production process is highly pollutant and oil spills cause significant damage
Phosphates	Softens hard water	Laundry detergents	n/a			High concentrations in water ways can cause algae blooms, which can kill aquatic ecosystems
Phthalates (Common acronyms: BBzP, DEP, DBP, DnBP, DiNP, DiBP, DnOP, DiNP, DEHP, BBP, DcHP, DPP)	Fragrance ingredient, plasticizer, solvent	Skin and hair products, toys, plastics, air fresheners, paint	7-10	Link to breast cancer and passing through to in utero babies, resulting in developmental issues	asthma, attention-deficit hyperactivity disorder, obesity and type II diabetes, low IQ, neurodevelopmental issues, behavioral issues, autism spectrum disorders, altered reproductive development and male fertility issues	Toxic to aquatic life; accumulates in the environment
Polyacrylamide	Antistatic agent and film forming agent	Moisturizers, gels, creams, sunscreens	2-4	Synthetic polymer made from acrylamide (EWG score of 6-10), an irritant and possible carcinogen	Organ system toxicity	Environmental toxin; persistent and bioaccumulates
Polyvinyl Chloride (PVC)/ Vinyl	Plastics	Many plastics- hard or soft	n/a	Contains harmful additives eg phthalates, BPA, lead, cadmium, and/or organotin therefore health risks are: carcinogen, developmental issues, endocrine disruptor, organ system and respiratory toxicant	All the related impacts of these additives	Most environmentally damaging plastic. The PVC lifecycle - its production, use, and disposal - results in the release of toxic, chlorine-based chemicals and dioxins. These toxins are building up in the water, air and food chain.
Propylene Glycol (PG), Polypropylene Glycol (PPG)	Skin conditioning agent, penetration enhancer	Lotion, deodorant, sunscreen, shampoo, conditioner, body washes	3	Skin irritant	Alters skin structure, allowing other chemicals to penetrate deep into the skin and increasing the amounts of other chemicals that reach the bloodstream	
Retinyl Palmitate/ Vitamin A Palmitate	Synthetic Vitamin A, skin conditioner	Skin care	6-9	Reproductive toxicant	Possible carcinogen; excess vitamin A in the body can lead to liver damage, hair loss, birth defects, and more	Toxic to aquatic life

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Sodium Laureth Sulfate (SLES), Sodium Lauryl Sulfate (SLS)	Surfactant	Many personal care and cleaning products	1-3	Skin, eye and lung irritant	Often contaminated with cancer causing toxins such as 1,4-dioxin and ethylene oxide	Environmental toxin
Stearylalkonium Chloride	Preservative	Conditioners and detanglers	4-6	Allergen		Toxic to aquatic life
Talc	Absorbs moisture, anti-caking agent, bulking agent	Baby powder, deodorant, personal care products	1-5	Possible contamination with asbestos through the mining process. Asbestos is a carcinogen		If contaminated with asbestos - environmental toxin
Triclosan and Triclocarban	Anti-bacterial agent, deodorant, preservative, biocide. Reduces and controls bacterial contamination on the hands and on treated products	Antibacterial soaps, hand sanitisers, deodorants, toothpastes, mouthwashes, face wash and cleaning supplies. Clothes, bedding, toys	4-7	Exposure of bacteria to these is causing resistance in those species and also creating cross-resistance to anti-biotics	Probable endocrine disrupter and carcinogen; irritant; easily bio-accumulates to dangerous levels	Environmental toxin; accumulates in the environment; contributing towards anti-biotic resistance; reacts with other chemicals to form dioxins
Trolamine salicylate	UV absorber, penetration enhancer	Sunscreens, skin care products	2	FDA banned this in OTC sunscreens in 2019 due to health concerns		
Contaminates from manufacturing process						
1,4 Dioxane (Byproduct, therefore avoid products with indication of ethoxylation : "myreth," "oleth," "laureth," "cetareth," any other "eth," "PEG," "polyethylene," "polyethylene glycol," "polyoxyethylene," or "oxynol," in ingredient names)	Not an added ingredient, but a contaminated byproduct created when specific ingredients are mixed together.	Products that foam - soap, shampoo, bubble bath, laundry detergent		EPA classifies it as a probable carcinogen and found in 46 of 100 personal care products marketed as organic or natural	Acute (short-term) inhalation exposure to high levels of 1,4 dioxane has caused vertigo, drowsiness, headache and irritation of the eyes, nose, throat and lungs of humans. It may also irritate the skin	Environmental toxin
Ethylene oxide/Oxirane	Used to make other chemicals	products with ethoxylated ingredients	8-10	Carcinogenic	irritation of the eyes, skin, nose, throat, and lungs, and damage to the brain and nervous system. Probable reproductive system	Toxic to aquatic life

Thank you



References

Environmental Working Group <https://www.ewg.org/>
 Pubchem <https://pubchem.ncbi.nlm.nih.gov/>
 National Center for Biotechnology Information <https://www.ncbi.nlm.nih.gov/>
 Chemical watch <https://home.chemicalwatch.com/>
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