



H&M GROUP CHEMICAL RESTRICTIONS 2024

RESTRICTED SUBSTANCES LIST (RSL)

Cosmetic Products

Product Compliance

Valid for all brands in the H&M Group.



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1. General

H&M Group Chemical Restrictions consist of several parts regarding different product types; this document concerns Chemical Restrictions for formulation of cosmetic products.


An introduction to and general information about the H&M Group Chemical Restrictions are available in a separate document: *H&M Group Restricted Substance List (RSL) Introduction and Commitment - All Product Types*, document ID 00432. Please read that document and refer to the examples provided there, before proceeding with the product specific restrictions.

Each limit specified in this document is valid for homogeneous parts of the concerned product if not otherwise stated. Test methods are specified when relevant in this document. In case of undated test method, the latest version is valid.

2. Definitions

Concentration Limit	The substance must not be present in the product at concentrations above this limit.
Children Cosmetic Products	Cosmetic products intended for children (age 0-14). Products can be used by children, or used by an adult on children.
Exposure Limit	The substance must not be present in the finished product at concentrations which will result in customer exposure above the limit; at normal and reasonable foreseeable use of the product.
Guidance Limit	If the substance is present in the product at a concentration above this limit, then the toxicological safety evaluation must explicitly secure that this specific concentration is safe under normal and reasonable foreseeable use of the product.
High Volatile Organic Compound (HVOC)	HVOC is any organic compound that exerts a vapour pressure greater than 80 mm Hg at 20°C.
Homogeneous	Uniform composition throughout, i.e. a material that cannot be mechanically disjointed into different materials.
Medium Volatile Organic Compound (MVOC)	MVOC is any organic compound that exerts a vapour pressure greater than 2 mm Hg and less than or equal to 80 mm Hg when measured at 20°C.
Not Detected	The substance must not be present in the finished product at concentrations above the analytical reporting limit.
Usage ban	The substance must not be used in production and it must not be added to the product. ¹

¹ Impurities at low concentrations of these substances may be accepted only if technically unavoidable due to e.g. the presence as a component of an ingredient, formation in the manufacturing process, storage or packaging.

UV absorbers	Ingredients which protect the cosmetic product from the harmful effects of UV-light
UV filters	Ingredients which protect the skin/hair/nails from the harmful effects of UV-light
VOC	Volatile organic compounds (VOC) means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions.
	Specific label requirements are additional to the EU Cosmetic Regulation. For detailed information, see the H&M document “Labelling requirements for cosmetic products” – for H&M Group internal use only, not available for suppliers.

3. Abbreviations

CAS number	Chemical Abstracts Service number, an identification number for chemicals in this database.
CFR	Code of Federal Regulations
cfu	Colony forming units. The content of bacteria, mould and yeast in a product is measured by counting the number of colonies formed in the sample. This is the unit for this counting.
CI no	Colour Index number
GMP	Good Manufacturing Practice
HVOC	High Volatile Organic Compound
MVOC	Medium Volatile Organic Compound
PDRC	H&M Production and Documentation Requirements for Cosmetic products
ppm	Parts per million, which is the same as mg/kg.
Percentage	Percentage is weight by weight, % w/w
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
VOCs	Volatile Organic Compounds

4. Requirements – All Cosmetic Products

Requirement/Restricted substance	Limit/Requirement
EU Cosmetic Regulation²	All cosmetic products must comply with the EU Cosmetic Regulation.
Cosmetic Ingredients - Requirements for Approval³ Ingredients of the cosmetic formula must fulfil the purity requirements and other specifications given in the Cosmetic Ingredients - Requirements for Approval.	
H&M Production and Documentation Requirements for Cosmetic products³(PDRC) Production must follow H&M PDRC which includes requirements for: good manufacturing practices (GMP), ingredients lists, stability testing, microbiological requirements, sun protection factor testing, product information file (PIF) with cosmetic product safety report (CPSR), and REACH reporting. The H&M RSL and the cosmetic product safety must always be considered in combination to secure that each substance (ingredient or impurity) concentration is below both the RSL limit and is evaluated as safe for the specific product type.	
Colorants	The only colorants permitted are listed in 7. <i>Permitted Colorants in Cosmetic products.</i>
UV filters in cosmetic products	The only UV filters ⁴ permitted are listed in 8. <i>Permitted UV filters in Cosmetic Products.</i>
Preservatives	The only preservatives permitted are listed in 9. <i>Permitted Preservatives in Cosmetic products.</i>
A product consisting only of solid material is a cosmetic product: If the solid material could be part of a cosmetic formula (as an ingredient) and it is applied as a cosmetic product, and fulfils the function and the application site as defined in the EU Cosmetic Regulation.	

² Regulation (EC) No 1223/2009 on cosmetic products.

³ Suppliers may download the document at H&M group Supplier Portal.

⁴ UV filters have the function to protect the skin. This restriction does not apply to UV absorbers which protect the formula.

5. Restrictions per Formula

5.1 Impurities

5.1.1 All Countries

Restricted substance CAS number	Limit/Requirement
Antimony (Sb), total amount 7440-36-0	
In products containing polyester ingredient	Polyester ingredient: $\leq 260 \text{ ppm}^5$ + Formula without polyester ingredient: 5 ppm^6
In all other types of products	5 ppm^6
Arsenic (As), total amount 7440-38-2	3 ppm
Cadmium (Cd), total amount 7440-43-9	3 ppm
Chromium VI (Cr⁶⁺) 18540-29-9	Not detected
Cobalt (Co), total amount 7440-48-4	10 ppm^6
Formaldehyde 50-00-0	
In all products except were originated from Formaldehyde releasers, total content of formaldehyde	Not detected
In rinse-off products where formaldehyde is originated from Formaldehyde releasers ⁷	< 0.05% (500 ppm) free or possible release of formaldehyde (calculated content)
Lead (Pb), total amount 7439-92-1	5 ppm
Mercury (Hg), total amount 7439-97-6	1 ppm
Nickel (Ni), total amount 7440-02-0	10 ppm^6

5.1.2 South Korea

Restricted substance CAS number	Limit/Requirement
Antimony (Sb), total amount 7440-36-0	10 ppm

5.1.3 India

Restricted substance CAS number	Limit/Requirement
Arsenic (As) calculated as Arsenic Trioxide, total amount 7440-38-2	2 ppm

⁵ For 100% polyester the total Sb limit applies, as H&M Chemical Restrictions for Textile products, Accessories, Footwear, Bags and Belts. The limit of Sb in the cosmetic product is proportionally lowered in relation to the polyester content, e.g. 50% polyester ingredient = Sb limit 130 ppm in the cosmetic product.

⁶ Guidance Limit.

⁷ Formaldehyde releasers are e.g. 2-Bromo-2-Nitropropane-1,3-Diol (52-51-7), Diazolidinyl Urea (78491-02-8), DMDM Hydantoin (6440-58-0), Imidazolidinyl Urea (39236-46-9).

5.1.4 USA

Restricted substance CAS number	Limit/Requirement
1,4-Dioxane 123-91-1	
In products with cleansing function	1 ppm
In all other types of products	10 ppm

5.2 Ingredients




5.2.1 All Countries


5.2.1.1 Regulatory Restrictions and Usage ban

Regulatory Prohibited Ingredients in All Countries	
Restricted substance CAS number	Limit/Requirement
Acetylcysteine 616-91-1	Usage ban
Acetylsalicylic acid 50-78-2	Usage ban
Acetaldehyde 75-07-0	Usage ban
Acetylacetone 110-13-4	Usage ban
Allylanisole 140-67-0	Usage ban
Areca catechu seed extract 89957-52-8	Usage ban
Azelaic acid 123-99-9	Usage ban
Benzophenone 119-61-9	Usage ban
Benzoyl peroxide 94-36-0	Usage ban
Bimatoprost 155206-00-1	Usage ban
Bismuth citrate 813-93-4	Usage ban
Bismuth subgallate 99-26-3	Usage ban
Bismuth subnitrate 1304-85-4	Usage ban
Bispyrithione 3696-28-4	Usage ban
Boric acid 11113-50-1	Usage ban
Caffeic acid 331-39-5	Usage ban
Cannabidiol 13956-29-1	Usage ban
Chloramine T 127-65-1	Usage ban
Chloramine T trihydrate 7080-50-4	Usage ban
Chlorotrifluoropropene 102687-65-0	Usage ban
Cinnamyl anthranilate 87-29-6	Usage ban
Cloflucarban 369-77-7	Usage ban
Cocamide DEA 68603-42-9	Usage ban
Cysteine 52-90-4	Usage ban



Regulatory Prohibited Ingredients in All Countries	
Restricted substance CAS number	Limit/Requirement
Cysteine HCl 52-89-1	Usage ban
Dequalinium chloride 522-51-0	Usage ban
Dichloromethane (Methylene chloride) 75-09-2	Usage ban
Dichlorophene 97-23-4	Usage ban
Diethyl toluamide (DEET) 134-62-3 /26545-51-7	Usage ban
Dimethyltolylamine 99-97-8	Usage ban
Dipropyl pyridinedicarboxylate 136-45-8	Usage ban
D-Pulegone 89-82-7	Usage ban
Ethylbenzene 100-41-4	Usage ban
Ethyl methacrylate 97-63-2	Usage ban
2,4-Hexadienal 142-83-6	Usage ban
Hydrastis Canadensis extract/root extract/powder 84603-60-1	Usage ban
Hydrofluorocarbon 152A 75-37-6	Usage ban
Hydrolyzed carrageenan 53973-98-1	Usage ban
p-Hydroxyanisol 150-76-5	Usage ban
Iris florentina root 90045-89-9	Usage ban
Lithium carbonate 554-13-2	Usage ban
Methyl alcohol 67-56-1	Usage ban
6-Methylcoumarin 92-48-8	Usage ban
Methyl methacrylate 80-62-6	Usage ban
Methyl pyrrolidone 872-50-4	Usage ban
Mixed cresols 1319-77-3	Usage ban
Myrcene 123-35-3	Usage ban
N-chloro-p-toluenesulfonamide 144-86-5	Usage ban
Nitromethane 75-52-5	Usage ban
4-Nitro-o-phenylenediamine 99-56-9	Usage ban
2-Nitro-p-phenylenediamine 5307-14-2	Usage ban
Nitrous oxide 10024-97-2	Usage ban
Oxyquinoline 148-24-3	Usage ban
Pentafluoropropane 460-73-1	Usage ban
Perfluoropropane 76-19-7	Usage ban
Phenacetin 62-44-2	Usage ban
Propylene glycol t-butyl ether 57018-52-7	Usage ban
Cyclopropylbimatoprost 1138395-12-6	Usage ban
Cyclopropylmethylbimatoprost 1138395-10-4	Usage ban
Dechloro cyclopropylcloprostenolamide 1138395-11-5	Usage ban

Regulatory Prohibited Ingredients in All Countries	
Restricted substance CAS number	Limit/Requirement
Dechloro cyclopropylmethylcloprostenolamide 1138395-09-1	Usage ban
Dechloro dihydroxy difluoro ethylcloprostenolamide	Usage ban
Dechloro ethylcloprostenolamide 1005193-64-5	Usage ban
Dehydrolatanoprost 130209-76-6	Usage ban
Dihydroxypropyl dehydrolatanoprostamide	Usage ban
Dihydroxypropyl didehydrolatanoprostamide	Usage ban
Ethyl travoprostamide 1005193-64-5	Usage ban
Isobutyl trifluoromethyl dechloro ethylcloprostenate	Usage ban
Isopropyl cloprostenate 157283-66-4	Usage ban
Nortafluprost 209860-89-9	Usage ban
Trifluoromethyl dechloro ethylcloprostenolamide 1005193-64-5	Usage ban
Trifluoromethyl dehydrolatanoprost	Usage ban
2,5,5-Trimethyl-2-phenyl-1,3-dioxane 406-58-6	Usage ban
Pueraria mirifica	Usage ban
Resmethrin 10453-86-8	Usage ban
Sodium o-phenylphenate 132-27-4	Usage ban
Strontium Acetate and its hemihydrate 543-94-2	Usage ban
Strontium Chloride and its hexahydrate 10476-85-4	Usage ban
Strontium Citrate 813-97-8	Usage ban
Strontium Hydroxide 10840-07-4, 1311-10-0	Usage ban
Strontium Peroxide 1314-18-7	Usage ban
Strontium Sulfide 1314-96-1	Usage ban
Strontium Thioglycolate 38337-95-0	Usage ban
Sulindac 38194-50-2	Usage ban
Theophylline 58-55-9	Usage ban
Thorium dioxide 1314-20-1	Usage ban
Tolnaftate 2398-96-1	Usage ban
Topiramate -	Usage ban
Tris(n-hydroxyethyl) hexahydrotriazine 4719-04-4	Usage ban
Tyrothricine 1404-88-2	Usage ban
Usnic Acid 125-46-2	Usage ban
Vinylidene difluoride 75-38-7	Usage ban

Regulatory Restricted Ingredients in All Countries			
Restricted substance CAS number	Limit/Requirement		
Alpha-hydroxycaprylic acid -	10%, with a pH \geq 3.5.		
Alpha-hydroxyethanoic acid + Ammonium alpha-hydroxyethanoate -	In all products (including skin products without SPF): \geq 3% specific label requirements		
Alpha-hydroxyoctanoic acid -	> 0.5% specific label requirements		
Citric acid 77-92-9, 5949-29-1			
Glycolic acid 79-14-1	Skin products without SPF:		
Glycolic acid + Ammonium glycolate 79-14-1, 35249-89-9	2.5% - 10% Interval with specific label requirements		
Hydroxycaprylic acid 617-73-2			
Lactic acid 50-21-5			
L-alpha hydroxy acid			
Malic acid 97-67-6			
Mandelic acid 90-64-2			
Alcloxa 1317-25-5	1%		
Aluminum chloride 7446-70-0	\leq 15% calculated as aluminium chloride hexahydrate. Not permitted in combinations with aluminium chlorohydrate or its associated complexes or aluminium zirconium complexes.		
In deodorant and antiperspirant, not in aerosol dispensers	Must be in the form of an aqueous solution. Specific label requirements		
In deodorant and antiperspirant, in aerosol dispensers	Usage ban		
Aluminum chlorohydrate 12042-91-0	\leq 25% calculated as the anhydrous form. Not permitted in combination with aluminium chloride, other aluminium chlorohydrate complexes or aluminium zirconium complexes.		
Aluminum chlorohydrate PEG 242812-76-6			
Aluminum chlorohydrate PG 245090-52-2			
Aluminum dichlorohydrate 10284-64-7			
Aluminum dichlorohydrate PEG 242812-79-9			
Aluminum dichlorohydrate PG 245090-53-3			
Aluminum sesquichlorohydrate 11089-92-2			
Aluminum seschlorohydrate PEG 242812-86-8			
Aluminum sesquichlorohydrate PG 245090-60-2	Specific label requirements when used in aerosol dispenser		
Ammonia 7664-41-7 / 1336-21-6	5%		


Regulatory Restricted Ingredients in All Countries		
Restricted substance CAS number	Limit/Requirement	
Amylvinylcarbinyl acetate 2442-10-6	0.3%	
BHA 25013-16-5	4.0 mg/day ⁸	
Calcium Hydroxide 1305-62-0		
Hair straightening products	7%	
Other products	Usage ban	
Camphor 76-22-2/ 464-49-3	3%	
Cetylpyridinium chloride 123-03-5		
Mouthwash products	0.1%	
In all other oral hygiene products	0.5%	
Skin lotions and creams	0.2%	
Anti-perspirant and deodorant	2%	
Chlorohydroxy-aluminum allantoinate (Alcloxa)	1%	
Citrus reticulata leaf oil 8014-17-3 / 8008-31-9		
In leave-on products	0.1%	
Ethyl cyanoacrylate 7085-85-0		
Isopropyl cyanoacrylate 10586-17-1		
Methyl cyanoacrylate 137-05-3		
In adhesives for nail application	Specific label requirements	
In all other product types	Usage ban	
Alpha-Damascone 23726-94-5 / 43052-87-5	0.02%	
cis-beta-Damascone 23726-92-3	0.02%	
Disodium 5-amino-4-hydroxy-3-(phenylazo) naphthalene-2,7-disulphonate 3567-66-6	3%	
Diethyl phthalate 84-66-2		
In child appealing and children cosmetic products	0.1%	
Ethyl lauroyl arginate hydrochloride 60372-77-2		
When used for other purposes than as a preservative		
In all products	0.8%	
Eucalyptus oil 8000-48-4	25%	
2-Hexylidene cyclopentanone 17373-89-6	0.06%	
Laureth-8 9002-92-0 / 3055-98-9	2%	

⁸ Exposure limit.

Regulatory Restricted Ingredients in All Countries		
Restricted substance CAS number	Limit/Requirement	
Laureth-9 3055-99-0 / 9002-92-0 / 68439-50-9	2%	
Laureth-10 9002-92-0 / 6540-99-4 / 68002-97-1	2%	
Lithium hydroxide 1310-65-2		
Hair straightening products	4.5%	
Other products	Usage ban	
Methacrylic acid 79-41-4	> 5% Limit with specific label requirements	
Methylheptadienone 1604-28-0	0.002%	
Methyl octyne carbonate 111-80-8	0.002% (when used in combination with methyl 2-octynonate, sum of concentration 0.01%)	
Methyl 2-octynoate 111-12-6	0.01% (when used in combination with methyl-octyne carbonate, sum of concentration 0.01% (of which methyl octane carbonate should not be more than 0.002 %))	
Methyl salicylate 119-36-8	1%	
Perillaldehyde 2111-75-3	0.1%	
Retinol (vitamin A) 68-26-8 / 11103-57-4	<1% retinol equivalents ⁹	
Retinyl acetate 127-47-9	Specific label requirements	
Retinyl palmitate 79-81-2		
Rose ketone-3 57378-68-4	0.02%	
Rose ketone-4 23696-85-7	0.02%	
Salicylic acid 69-72-7		
When used for other purposes than as a preservative		
Products intended for children below 3 years	Usage ban	
Oral products and applications that may lead to exposure of the end-user's lungs by inhalation.	Usage ban	
Other products	0.5%	
Sodium bromate 7789-38-0	< 600 mg ¹⁰	
Sodium picramate 831-52-7	0.1%	
TBHQ 1948-33-0	0.1%	




⁹ Note the conversion factor between retinol and other retinol equivalents, e.g. 1.0% w/w retinol is equivalent to 1.15% w/w retinol acetate and to 1.83% w/w retinyl palmitate.

¹⁰ Total amount (in weight, as the sum of all formulations) per each individual product.

Regulatory Restricted Ingredients in All Countries		
Restricted substance CAS number	Limit/Requirement	
Thioglycolic acid 68-11-1		
Rinse-off hair products	2%	
Products intended for eyelash waving	Usage ban	
Thiolactic acid 79-42-5		
Hair waving or straightening products	8.5% ready for use at pH<9.5, Specific label requirements	
Depilatories	5% ready for use at pH 7-12.7, Specific label requirements	
Rinse off hair care products	2% ready for use at pH 7-9.5, Specific label requirements	
In all other types of products	Usage ban	
Tocopherol 1406-18-4		
	20%	
Tranexamic acid 1197-18-8		
Products for skin application	3%	
Products intended to be placed in contact with the mucous membrane	Usage ban	
Trans-rose ketone-1 24720-09-0		
	0.02%	
Trans-rose ketone-2 23726-91-2		
	0.02%	
Trans-rose ketone-3 71048-82-3		
	0.02%	
Trans-2-Hexenal 6728-26-3		
	0.002%	
Urea 57-13-6		
	<10%	
Methyl n-methyl anthranilate 85-91-6		
	0.1%	
Zinc phenolsulfonate 127-82-2		
Leave-on products	2%	
Diethylhexyl adipate 103-23-1		
In leave-on products	6%	



Regulatory Prohibited and Restricted Unspecified Substance Groups in All Countries		
Restricted substance CAS number	Limit/Requirement	
Alkali sulphides and alkaline earth sulphides <i>Various</i>	Usage ban	
Aloe Vera, non-Decolorized Whole Leaf Extract¹¹ <i>Various</i>	Usage ban	
Alpha-hydroxy acids (AHAs) AHAs including, but not limited to:		
Alpha hydroxy and botanical complex	-	10%, with a pH \geq 3.5.
Glycomer in cross-linked fatty acids	-	
alpha-nutrium	-	
Mixed fruit acid	-	
Tri-alpha hydroxy fruit acids	-	
Triple fruit acid	-	
In all products (including skin products without SPF)		\geq 3% specific label requirements
		> 0.5% specific label requirements
Skin products without SPF		2.5% - 10% Interval with specific label requirements
Aluminum chlorohydrate, and its associated complexes <i>Various</i>	\leq 25% calculated as the anhydrous form. Not permitted in combination with aluminium chloride, other aluminium chlorohydrate complexes or aluminium zirconium complexes.	
In deodorant and antiperspirant		Specific label requirements
In aerosol dispenser		Specific label requirements
Bromate (BrO₃⁻) <i>Various</i>	Usage ban	
Chlorhexidine and its salts <i>Various</i>		
Chlorhexidine	55-56-1	0.14%, calculated as chlorhexidine free base
Chlorhexidine diacetate	56-95-1	0.19%, calculated as chlorhexidine diacetate
Chlorhexidine digluconate	18472-51-0	0.20%, calculated as chlorhexidine digluconate
Chlorhexidine dihydrochloride	3697-42-5	0.16%, calculated as chlorhexidine dihydrochloride
Chloride salts of alkali metals, e.g. Potassium Chlorate 3811-04-9 and Sodium Chlorate 7775-09-9	3%	

¹¹ Aloe Vera, non-decolorized whole leaf extract consists of the liquid portion of the Aloe vera leaf and is a natural constituent of the Aloe Barbadensis Miller plant

Regulatory Prohibited and Restricted Unspecified Substance Groups in All Countries		
Restricted substance CAS number	Limit/Requirement	
Cyanoacrylate <i>Various</i>		
In adhesives for nail application	Specific label requirements	
In all other product types	Usage ban	
Microplastics in accordance with <i>Commission Regulation (EU) 2023/2055 of 25 September 2023 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards synthetic polymer microparticles</i>		
Microbeads in rinse off products, scrub- and peel products	Usage ban	
Loose glitters sold in a separate package	Usage ban	
Nanomaterials <i>Various</i> Nanomaterials for which Article 16 of EU Cosmetic Regulation 1223/2009 apply ¹²	Usage ban	
Pheromones <i>Various</i>	Usage ban	
Prostaglandins and its synthetic derivatives incl. salts and esters <i>Various</i>	Usage ban	
Strontium compounds <i>Various</i>	Usage ban	
Symphytum spp. (comfrey) except symphytum officinale	Usage ban	
Thioglycolic acid salts <i>Various</i>		
Products intended for eyelash waving	Usage ban	
Zirconium containing complexes <i>Various</i>		
In aerosol package	Usage ban	
Retinol (vitamin A) and its esters <i>Various</i>	<1% retinol equivalents ¹³ Specific label requirements	
Silver and its salts 7440-22-4 / <i>various</i>		
In all products	Specific label requirements	
In mouthwash	0.04%	

¹² Article 16 does not apply to nanomaterials used as colorants, UV-filters or preservatives regulated under article 14, unless expressly specified. Chapters 7 and 8 includes the only nanomaterials approved by H&M Group; no other nano materials than the ones listed may be used. The nanomaterials are specified with the word nano in brackets, i.e. (nano). The nanomaterial cannot be used as another function than specified in the chapters.

¹³ Note the conversion factor between retinol and other retinol equivalents, e.g. 1.0% w/w retinol is equivalent to 1.15% w/w retinol acetate and to 1.83% w/w retinyl palmitate.

Regulatory Prohibited and Restricted Unspecified Substance Groups in All Countries		
Restricted substance CAS number	Limit/Requirement	
Thioacids and their derivatives various		
Products for use around the eye area	Usage ban	
In all other types of products	Specific label requirements	
Thioglycolic acid and its salts		
Products intended for eyelash waving	Usage ban	
Thioglycolic acid, including its salts and esters		
Rinse-off hair products	2%	
Thiolactic acid and its salt		
Hair waving or straightening products	8.5% ready for use at pH<9.5, Specific label requirements	
Depilatories	5% ready for use at pH 7-12.7, Specific label requirements	
Rinse off hair care products	2% ready for use at pH 7-9.5, Specific label requirements.	
In all other types of products	Usage ban	

5.2.1.2 H&M Group Restrictions and Usage Bans

H&M Group Prohibited Ingredients All Countries	
Restricted substance CAS number	Limit/Requirement
Aminophylline 317-34-0	Usage ban
Arachis hyogaea (peanut) oil/extracts 8002-03-7	Usage ban
Colophonium 8050-09-7	Usage ban
Cyclohexasiloxane 540-97-6	Usage ban
Cyclopentasiloxane 541-02-6	Usage ban
Methyl eugenol (1,2-Dimethoxy-4-(2-propenyl)-benzene) 93-15-2	Usage ban
MIBK 108-10-1	Usage ban
Acrylates/methoxy PEG-23 methacrylate/perfluorooctyl ethyl acrylate copolymer	Usage ban
Acrylates/perfluorohexylethyl methacrylate copolymer 1557087-30-5	Usage ban
Acrylates/trifluoropropylmethacrylate/ polytrimethyl siloxymethacrylate copolymer	Usage ban
Ammonium C6-16 perfluoroalkylethyl phosphate 65530-70-3, 65530-72-5, 65530-71-4	Usage ban
Ammonium C9-10 perfluoroalkylsulfonate	Usage ban
Ammonium perfluorohexyl ethylphosphates	Usage ban
Amp-C8-18 perfluoroalkylethyl phosphate	Usage ban
Behenyl methacrylate/perfluorooctylethyl methacrylate copolymer	Usage ban
Butyl acrylate/C6-14 perfluoroalkylethyl acrylate/mercaptopropyl dimethicone copolymer	Usage ban
C20-28 alkyl perfluorodecylethoxy dimethicone	Usage ban
C4-14 perfluoroalkylethoxy dimethicone	Usage ban
C4-18 perfluoroalkylethyl thiohydroxypropyl-trimonium chloride 70983-60-7	Usage ban
C6-12 perfluoroalkylethanol	Usage ban
C6-14 perfluoroalkylethyl acrylate/hema copolymer	Usage ban
Dea-perfluorohexyl ethylphosphates	Usage ban
Decafluoropentane 138495-42-8	Usage ban
Diethylaminoethyl methacrylate/hema/perfluorohexylethyl methacrylate crosspolymer	Usage ban
Diocetyldodecyl fluoroheptyl citrate	Usage ban
Ethyl perfluorobutyl ether 163702-05-4	Usage ban
Ethyl perfluoroisobutyl ether 163702-06-5	Usage ban
Hexafluoropropylene/tetrafluoroethylene copolymer	Usage ban
Hydrofluorocarbon 134A 811-97-2	Usage ban
Hydrofluorocarbon 227EA 431-89-0	Usage ban

H&M Group Prohibited Ingredients All Countries	
Restricted substance CAS number	Limit/Requirement
Isododecyl/perfluorononyl ethyl dimer dilinoleate/citrate	Usage ban
Isopropyl titanium triisostearate/perfluorooctyl triethoxysilane crosspolymer	Usage ban
Lithium perfluorooctane sulfonate / lithium heptadecafluorooctanesulfonate 29457-72-5	Usage ban
Methyl perfluorobutyl ether 163702-07-6	Usage ban
Methyl perfluoroisobutyl ether 163702-08-7	Usage ban
PEG-10 acrylate/perfluorohexylethyl acrylate copolymer	Usage ban
PEG-10 nonafluorohexyl dimethicone copolymer	Usage ban
PEG-12 dimethicone/bis-isobutyl PPG-20 crosspolymer	Usage ban
Perfluoro dimethylethylpentane 502858-18-2	Usage ban
Perfluoro t-butylcyclohexane 84808-64-0	Usage ban
Perfluoroalkylsilyl mica	Usage ban
Perfluorobutylcyclohexane 374-60-7	Usage ban
Perfluorocaprylyl bromide 423-55-2	Usage ban
Perfluorocaprylyl triethoxysilylethyl methicone	Usage ban
Perfluorocyclohexylmethanol 28788-68-3	Usage ban
Perfluorodecalin 306-94-5	Usage ban
Perfluorodimethylcyclohexane 335-27-3	Usage ban
Perfluoroheptane 335-57-9	Usage ban
Perfluorohexane 355-42-0	Usage ban
Perfluorohexyl ethylphosphonic acid 252237-40-4	Usage ban
Perfluorohexylethyl dimethylbutyl ether 210896-25-6	Usage ban
Perfluoroisohexane 355-04-4	Usage ban
Perfluoromethylcyclohexane 355-02-2	Usage ban
Perfluoromethylcyclopentane 1805-22-7	Usage ban
Perfluoromethyldecalin 51294-16-7	Usage ban
Perfluorononyl dimethicone	Usage ban
Perfluorononyl dimethicone/ methicone/amodimethicone crosspolymer	Usage ban
Perfluorononyl octyldodecyl glycol grapeseedate	Usage ban
Perfluorononyl octyldodecyl glycol meadowfoamate	Usage ban
Perfluorononylethyl carboxy PEG-7 dimethicone phosphate	Usage ban
Perfluorononylethyl carboxydecyl behenyl dimethicone	Usage ban
Perfluorononylethyl carboxydecyl hexacosyl dimethicone	Usage ban
Perfluorononylethyl carboxydecyl lauryl dimethicone	Usage ban

H&M Group Prohibited Ingredients All Countries	
Restricted substance CAS number	Limit/Requirement
Perfluorononylethyl carboxydecyl lauryl/behenyl dimethicone	Usage ban
Perfluorononylethyl carboxydecyl PEG-10 dimethicone	Usage ban
Perfluorononylethyl carboxydecyl PEG-8 dimethicone	Usage ban
Perfluorononylethyl dimethicone/methicone copolymer	Usage ban
Perfluorononylethyl PEG-8 dimethicone	Usage ban
Perfluorononylethyl PEG-8 phenylisopropyl dimethicone	Usage ban
Perfluorononylethyl stearyl dimethicone	Usage ban
Perfluorooctyl triethoxysilane 51851-37-7	Usage ban
Perfluorooctylethyl triethoxysilane 101947-16-4	Usage ban
Perfluorooctylethyl trimethoxysilane 83048-65-1	Usage ban
Perfluorooctylethyl trisiloxane 163921-85-5	Usage ban
Perfluorooctylethyl/diphenyl dimethicone copolymer	Usage ban
Perfluoroperhydrobenzyl tetralin 116265-66-8	Usage ban
Perfluoroperhydrofluorene 307-08-4	Usage ban
Perfluoroperhydrophenanthrene 306-91-2	Usage ban
Perfluorotetralin 2342-07-06	Usage ban
Polyacrylate-37	Usage ban
Polyperfluoroethoxymethoxy difluoroethyl PEG diisostearate	Usage ban
Polyperfluoroethoxymethoxy difluoroethyl PEG ether 162492-15-1, 88645-29-8	Usage ban
Polyperfluoroethoxymethoxy difluoroethyl PEG ether diisostearate	Usage ban
Polyperfluoroethoxymethoxy difluoroethyl PEG phosphate	Usage ban
Polyperfluoroethoxymethoxy difluorohydroxyethyl ether	Usage ban
Polyperfluoroethoxymethoxy difluoromethyl distearamide/ tribehenin PEG-20 esters 220207-10-3	Usage ban
Polyperfluoroethoxymethoxy difluoromethyl ether 161075-02-1	Usage ban
Polyperfluoroethoxymethoxy peg-2 phosphate 162567-74-0	Usage ban
Polyperfluoroisopropyl ether	Usage ban
Polyperfluoromethylisopropyl ether 69991-67-9	Usage ban
Polyperfluoroperhydrophenanthrene 159182-00-0	Usage ban
Polytetrafluoroethylene acetoxypopyl betaine 123171-68-6	Usage ban
Polysilicone-7 146632-08-8	Usage ban
Polysilicone-10	Usage ban
Polyurethane-26 328389-90-8	Usage ban
Polyurethane-27 328389-91-9	Usage ban

H&M Group Prohibited Ingredients All Countries	
Restricted substance CAS number	Limit/Requirement
Polyacrylate-37	Usage ban
Potassium perfluorohexyl ethylphosphate 1224952-82-2	Usage ban
PTFE 9002-84-0	Usage ban
Sodium perfluorohexyl ethylphosphonate 1189052-95-6	Usage ban
Stearyl methacrylate/perfluorooctylethyl methacrylate copolymer	Usage ban
TEA-C8-18 perfluoroalkylethyl phosphate	Usage ban
TEA-perfluorohexyl ethylphosphates	Usage ban
Tetrafluoropropene 29118-24-9	Usage ban
Trifluoromethyl C1-4 alkyl dimethicone	Usage ban
Di-isononyl phthalate (DINP) 28553-12-0	Usage ban
Di-n-octyl phthalate (DNOP) 117-84-0	Usage ban
Di-iso-decyl phthalate (DIDP) 26761-40-0	Usage ban
Piper methysticum extract (kawa kawa) 9000-38-8, 84696-40-2	Usage ban
Toluene 108-88-3	Usage ban
Triclosan 3380-34-5	Usage ban

H&M Group Restricted Ingredients All Countries	
Restricted substance CAS number	Limit/Requirement
Diazolidinyl Urea 78491-02-8	
In leave-on products	Usage ban
DMDM Hydantoin 6440-58-0	
In leave-on products	Usage ban
Alpha-Isomethyl Ionone 127-51-5	The calculation of the concentration of the fragrance allergens shall take into account all possible sources of the fragrance allergens, <i>i.e.</i> not only the perfume and/or the aroma can contribute to the concentration of them. Possible other sources include, but are not limited to, ingredients, herbal extracts and essential oils.
Amyl cinnamal 122-40-7	
Amyl cinnamyl alcohol 101-85-9	
Anise alcohol 105-13-5	
Benzyl alcohol 100-51-6	
Benzyl benzoate 120-51-4	
Benzyl cinnamate 103-41-3	
Benzyl salicylate 118-58-1	
Cinnamal 104-55-2	
Cinnamyl alcohol 104-54-1	
Citral 5392-40-5	
Citronellol 106-22-9	
Coumarin 91-64-5	
Eugenol 97-53-0	
Evernia Furfuracea Extract 90028-67-4	
Evernia Prunastri Extract 90028-68-55	
Farnesol 4602-84-0	
Geraniol 106-24-1	
Hexyl cinnamal 101-86-0	
Hydroxycitronellal 107-75-5	
Isoeugenol 97-54-1	
Limonene 5989-27-5	
Linalool 78-70-6	
Methyl 2-Octynoate 111-12-6	
In deodorants and antiperspirants aimed to be used under arms	0 fragrance allergens to be labelled on product.
In child appealing and children cosmetic products	0 fragrance allergens to be labelled on product.
Imidazolidinyl Urea 39236-46-9	
In leave-on products	Usage ban

H&M Group Restricted Ingredients All Countries		
Restricted substance CAS number	Limit/Requirement	
Melaleuca alternifolia leaf 85085-48-9		
Melaleuca alternifolia leaf oil 85085-48-9 / 8022-72-8 / 68647-73-4		
Melaleuca alternifolia leaf extract 85085-48-9		
Melaleuca alternifolia leaf powder 85085-48-9		
Melaleuca alternifolia leaf water 85085-48-9		
In oral hygiene products	0.2%	
In child appealing and children cosmetic products	Usage ban	
In all types of products except oral hygiene products or child appealing and children cosmetic products.	2%	
Talc 14807-96-6		
In loose powder products for body and hair application		Usage ban
In loose powder products for face application		Usage ban
In child appealing and children cosmetic products		Usage ban










H&M Group Prohibited and Restricted Unspecified Substance Groups All Countries	
Restricted substance group	Limit/Requirement
Chlorofluorocarbon propellants (halogenated alkanes) Various	Usage ban
Formaldehyde releasers¹⁴ Various, i.e. some preservatives	
In leave-on products	Usage ban
Nonylphenol ethoxylates (NPE) and its degradation products Various	Usage ban
Octylphenol ethoxylates (OPE) and its degradation products Various	Usage ban
Per- and Polyfluoroalkyl Substances (PFAS) Various	Usage ban
Phthalates (except diethyl phthalate, DEP CAS number 84-66-2) Various	Usage Ban



¹⁴ Formaldehyde releasers are e.g. 2-Bromo-2-Nitropropane-1,3-Diol (52-51-7), Diazolidinyl Urea (78491-02-8), DMDM Hydantoin (6440-58-0), Imidazolidinyl Urea (39236-46-9).




5.2.2 South Korea

Regulatory Prohibited Ingredients in South Korea. These restrictions and prohibitions are additional to chapter 5.2.1	
Restricted substance <i>CAS number</i>	Limit/Requirement
CI 40800 116-32-5	Usage ban
CI 14700 4548-53-2	Lakes of Strontium, Barium or Zirconium are prohibited.
CI 15800 6371-76-2	
CI 17200 3567-66-6	
CI 42090 2650-18-2, 37307-56-5, 3844-45-9	
CI 45350 518-47-8, 2321-07-5, 6417-85-2	
CI 47000 8003-22-3	
CI 59040 6358-69-6	
CI 60725 81-48-1	
CI 61565 128-80-3	
CI 61570 4403-90-1	
CI 73360 2379-74-0	
Henna Leaf powder 84988-66-9, i.e. Lawsonia Inermis Cera, Lawsonia Inermis Extract, Lawsonia Inermis Flower/Fruit/Leaf Extract, Lawsonia Inermis Leaf Extract	Usage ban

Regulatory Restricted Ingredients in South Korea. These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance <i>CAS number</i>	Limit/Requirement
Acetone 67-64-1	Nail polish remover with a content of acetone shall have a child proof container. Such container shall not be difficult to open for an adult, but difficult to open for a child of 5 years' age or younger. ISO standard 8317 applies for child proof container.
Ammonium persulfate 7727-54-0 Used as an oxidizing agent in hair dye (including dye removal and hair bleach)	
Other products	Usage ban


Regulatory Restricted Ingredients in South Korea.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance <i>CAS number</i>	Limit/Requirement	
Aluminum sulfate 10043-01-3		
Ammonium alum 7784-25-0		
Aluminum lactate 18917-91-4		
Aluminum citrate 813-92-3		
Aluminum glycinate 13682-92-3 / 41354-48-7		
Aluminum benzoate 555-32-8		
Aluminum chlorohydrate 12042-91-0		
Aluminum sesquichlorohydrate 11089-92-2		
Aluminum chloride 7446-70-0		
Potassium alum 10043-67-1 / 7784-24-9		
In deodorant and antiperspirant	Specific label requirements	
Arbutin 497-76-7	When the concentration > 2% the products labelled with specific label requirements	
Butylparaben 94-26-8 Propylparaben 94-13-3		
Children products under 3 years old	Specific label requirements	
Carmine/Cochineal (CI 75470)	Specific label requirements	
Ferrous sulfate heptahydrate 7782-63-0		
In non-oxidative hair dye	6%	
In oxidative hair dye	Usage ban	
Hematein 475-25-2		
In non-oxidative hair dye	0.1%	
In oxidative hair dye	Usage ban	
Hydrogen peroxide 7722-84-1		
Nail hardener products	2% Specific label requirements	
Other products	Usage ban	
Indigofera tinctoria leaf powder 84775-63-3		
In non-oxidative hair dye	25%	
Other products	Usage ban	
P-methylaminophenol sulfate 55-55-0		
In oxidative hair dye	0.68%	
Other products	Usage ban	

Regulatory Restricted Ingredients in South Korea.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance CAS number	Limit/Requirement	
Polyethoxylated retinamide	When the concentration > 0.2% the products labelled with specific label requirements	
Potassium persulfate 7727-21-1 Used as an oxidizing agent in hair dye (including dye removal and hair bleach)		
Other products	Usage ban	
Resorcinol 108-46-3	0.1%	
Silver sulfate 10294-26-5		
In non-oxidative hair dye	0.4%	
In oxidative hair dye	Usage ban	
Sodium persulfate 7775-27-1 Used as an oxidizing agent in hair dye (including dye removal and hair bleach)		
Other products	Usage ban	
Zinc stearate 557-05-1		
In powder products	Specific label requirements	

Regulatory Prohibited and Restricted Unspecified Substance Groups in South Korea.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance CAS number	Limit/Requirement	
Aluminum 7429-90-5 and its salts Various		
In deodorant and antiperspirant	Specific label requirement	
Hydrocarbons with a viscosity ≤ 21 cSt (at 40°C) Various	Non-emulsion product with more than 10% hydrocarbons shall have a child proof container ¹⁵ <small>Error! Bookmark not defined.</small>	
Hydrogen peroxide releasers Various	Specific label requirements	
Salicylic acid and its salts		
In leave-on products	Specific label requirements	

¹⁵ Such container shall not be difficult to open for an adult, but difficult to open for a child of 5 years' age or younger. ISO standard 8317 applies for child proof container.

5.2.3 USA – All products¹⁶

Regulatory Restricted Ingredient in USA.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance CAS number	Limit/Requirement	
Dihydroxyacetone 96-26-4		
Tanning Products	Specific label requirements	
Products applied to the area of eyes, lips or mucous membrane	Usage ban	
Parachlorobenzotrifluoride (1-chloro-4-trifluoromethyl benzene) cyclopenta		
Dry Shampoo	Usage ban	
Hair Finishing Spray	Usage ban	
Hair Shine	Usage ban	
Temporary Hair Color	Usage ban	
Personal Fragrance Products with ≤10 % fragrance	Usage ban	

Regulatory Prohibited and Restricted Unspecified Substance Groups in USA.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance CAS number	Limit/Requirement	
Substances used as active ingredients in self-tanning products various	Must be approved by FDA for use as a colour additive in cosmetic products. ¹⁷	

¹⁶ The requirements stated in this chapter is also valid for Puerto Rico.

¹⁷ Title 21 of the Code of Federal Regulations.

5.2.4 USA – Children Cosmetic Products

Regulatory Prohibited Ingredients in Children Cosmetics in USA.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Benzophenone-2 131-55-5	Usage ban
BHA 25013-16-5	Usage ban
Butylparaben 94-26-8	Usage ban
Diethyl phthalate 84-66-2	Usage ban
Ethylparaben 120-47-8	Usage ban
Glycol 107-21-1	Usage ban
4-Hydroxybenzoic acid 99-96-7	Usage ban
MEK 78-93-3	Usage ban
Methylparaben 99-76-3	Usage ban
Phthalic anhydride 85-44-9	Usage ban
Propyl paraben 94-13-3	Usage ban
Triphenyl phosphate 115-86-6	Usage ban

5.2.5 India

Regulatory Restricted Ingredients in India.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Aluminium fluoride 7784-18-1	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Ammonium fluoride 12123-0108	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Ammonium Fluorosilicate 16919-19-0	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Ammonium monofluorophosphate 20859-38-5/66115-19-3	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %

Regulatory Restricted Ingredients in India.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Calcium fluoride 7789-75-5	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. Must not exceed 0.10 %
Calcium monofluorophosphate 7789-72-2	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Cetylamine hydrofluoride 3151-59-5	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Magnesium fluoride 7783-40-6	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Magnesium fluorosilicate 16949-65-8	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
N,N',N'-Tris(polyoxyethylene)-N-hexadecylpropylenediamine dihydrofluoride -	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Nicomethanol hydrofluoride 62756-44-9	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Octadecenyl-ammonium fluoride 36505-83-6	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Potassium fluoride 7789-23-3	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Potassium fluorosilicate 16871-90-2	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Potassium monofluorophosphate 14104-28-0	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Sodium fluoride 7681-49-4	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %

Regulatory Restricted Ingredients in India.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Sodium fluorosilicate 144055-55-0	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
Stannous fluoride 7783-47-3	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %
3-(N-Hexadecyl-N-2-hydroxyethyl ammonio) propylbis (2-hydroxyethyl) ammonium difluoride -	
Oral products	0.10 % calculated as F. When mixed with other permitted fluorine compounds, total F conc. must not exceed 0.10 %

5.2.6 Malaysia

Regulatory Prohibited Ingredients in Malaysia.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Anthranilic acid 2719-08-6	Usage ban
Alkaloids of Piper methysticum 84696-40-2	Usage ban
Alkaloids of Pomegranate Various	
Alkaloids of Quebracho -	
Barium sulfide 21109-95-5	Usage ban
Bifonazole 60628-96-8	Usage ban
Butyrolactone 96-48-0	Usage ban
Clotrimazole 23593-75-1	Usage ban
Cucurbitacin B 6199-67-3	Usage ban
Cysteamine HCL 156-57-0	Usage ban
Disodium succinoyl glycyrrhetinate 7421-40-1	Usage ban
Dyphylline 479-18-5	Usage ban
Disodium etidronate 7414-83-7	Usage ban
Ethyl ether 60-29-7	Usage ban
Heliotropine 120-57-0	
All products except perfumes and when added as a flavouring agent	Usage ban
Heparin 9005-49-6	Usage ban
Hydrobromic acid 10035-10-6	Usage ban
Ibuprofen 15687-27-1	Usage ban
Itraconazole 84625-61-6	Usage ban
Methylglucamine 6284-40-8	Usage ban
Melatonin 73-31-4	Usage ban

Regulatory Prohibited Ingredients in Malaysia.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Miconazole nitrate 22832-87-7	Usage ban
Naproxen 22204-53-1	Usage ban
Natamycin 7681-93-8	Usage ban
Phenylacetic acid 103-82-2	Usage ban
Piracetam 7491-74-9	Usage ban
Pyricarbate 1882-26-4	Usage ban
Quinine 130-95-0	Usage ban (unless when used as denaturant)
Silver nitrate 7761-88-8	Usage ban
Ursodiol 128-13-2	Usage ban

5.2.7 Thailand

Regulatory Restricted Ingredients in Thailand.	
These restrictions and prohibitions are additional to chapter 5.2.1.	
Restricted substance CAS number	Limit/Requirement
Ammonium Persulfate 7727-54-0 Potassium Persulfate 7727-21-1 Sodium Persulfate 7775-27-1	
Hair bleaching products	≤45 % (as persulfate derivate before mixing with hydrogen peroxide). The total persulfate content must not exceed 20 % after mixing persulfate compounds with hydrogen peroxide.
Other products	Usage ban
2-Amino-5-ethylphenol HCl 149861-22-3	
Oxidative hair dye products	≤ 1 %
5-Amino-6-chloro-o-cresol 84540-50-1 5-Amino-6-chloro-cresol HCl 80419-48-3	
Oxidative hair dye products	≤ 1 %
Basic Orange 31 97404-02-9	
Oxidative hair dye products	≤ 0.5 %
Toluene-2,5-diamine and its sulfate salt 95-70-5, 615-50-9	
Oxidative hair dye products	≤ 2 % (as free base) ≤ 3.6 % (as sulfate salt)
Silver nitrate 7761-88-8	Usage ban

Regulatory Prohibited and Restricted Unspecified Substance Groups in Thailand	
<i>Restricted substance CAS number</i>	<i>Limit/Requirement</i>
Botanical ingredients which are not listed in European Commission Cosmetic ingredient database (CosIng) various	Usage ban


5.2.8 Singapore

Regulatory Prohibited Ingredients in Singapore. These restrictions and prohibitions are additional to chapter 5.2.1.	
<i>Restricted substance CAS number</i>	<i>Limit/Requirement</i>
Silver nitrate 7761-88-8	Usage ban

5.2.9 Philippines

Regulatory Prohibited Ingredients in Philippines. These restrictions and prohibitions are additional to chapter 5.2.1.	
<i>Restricted substance CAS number</i>	<i>Limit/Requirement</i>
Silver nitrate 7761-88-8	Usage ban

5.2.10 Canada

Regulatory Restricted Ingredient in Canada.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance <i>CAS number</i>	Limit/Requirement	
Eucalyptus Citriodora Leaf Extract <i>8000-48-4</i>	When <ul style="list-style-type: none"> • the concentration > 0.022% and <ul style="list-style-type: none"> • formula in form other than solid the product is to be labelled with specific label requirements	
Eucalyptus Citriodora Leaf/Twig Oil <i>85203-56-1</i>		
Eucalyptus Citriodora Leaf/Twig Water <i>85203-56-1</i>		
Eucalyptus Citriodora Oil <i>8000-48-4</i>		
Eucalyptus Dives Leaf Extract <i>90028-48-1</i>		
Eucalyptus Dives Leaf/Twig Oil <i>90028-48-1</i>		
Eucalyptus Globulus Leaf Oil <i>8000-48-4</i>		
Eucalyptus Oil <i>8000-48-4</i>		
Eucalyptus Staigeriana Branch/Leaf Oil <i>1627700-32-6</i>		
Eucalyptus Staigeriana Extract <i>91771-69-6</i>		

5.2.11 Peru

Regulatory Restricted Ingredient in Peru.		
These restrictions and prohibitions are additional to chapter 5.2.1		
Restricted substance CAS number	Limit/Requirement	
Fluorosalan 4776-06-1		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Hexylresorcinol 136-77-6		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Methylbenzethonium Chloride 25155-18-4		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Secondary Ayltricsresols 8063-33-0		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Sodium Oychlorosene 52906-84-0		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Triple dye 39389-84-9		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Nonylphenoxy poly (Ehyleneoxy) Ehaniodine 11096-42-7		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	

Regulatory Restricted Ingredient in Peru.		
These restrictions and prohibitions are additional to chapter 5.2.1		
Restricted substance <i>CAS number</i>	Limit/Requirement	
Poloxamer Iodine 26617-87-8		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	
Undecoylium Chloride Iodine 1338-54-1		
Liquid soaps, bar, foam, gel, shower gels and any other type of soap that is for use in hands and body designed for use with water and subsequent rinsing	Usage ban	

5.2.13 UK

Regulatory Restricted Ingredient in UK.		
These restrictions and prohibitions are additional to chapter 5.2.1.		
Restricted substance <i>CAS number</i>	Limit/Requirement	
Butylated hydroxytoluene 128-37-0		
Leave-on oral care products	0.001%	

6. Limitations of Volatile Organic Compounds (VOCs) for Cosmetic Products in the USA¹⁸, Canada and Hong Kong

Volatile organic compounds (VOCs) means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. A number of chemicals are excluded from this VOCs definition, please refer *Table 3. Exempted Volatile Organic Compounds*.

VOCs regulated cosmetic products together with limits are listed in *Table 1*.

Each product, for USA, subjected to *Table 1*, requires specific label requirements.



Table 2, defines the VOCs and also provides a list of examples of VOCs for usage in cosmetic products. VOCs which are not covered by *Table 2*, are not considered as VOCs for the purpose of this chapter.

IMPORTANT NOTICE!

The list of examples of VOCs in *Table 2*, and the list of exempted VOCs in *Table 3*, is not a list of allowed ingredients. The formula must always comply with the H&M Chemical Restriction and must pass the cosmetic product safety report.

Table 1. VOC Products and VOC Limitations in the USA, Canada and Hong Kong

Product Type ¹⁹	VOC Limitations (weight %)		
	USA	Canada	Hong Kong
Antiperspirants Aerosol	40 HVOC	40 HVOC	Not restricted
	10 MVOC	10 MVOC	
Antiperspirants Non-Aerosol	0 HVOC	0	Not restricted
	0 MVOC		
Any of the product type listed below with perfume ingredients > 2%, except for personal fragrance product	The perfume ingredients concentration C% will contribute to the calculated VOC concentration by (C-2) %		
Astringent/Toner (All forms)	35	35	Not restricted
Deodorant	1) Alcohol (CAS 64-17-5) is not defined as MVOC in deodorant. 2) The combined perfume ingredients and colorants concentration C% will contribute to the calculated VOC concentration by (C-2) %.	0	Not restricted
Deodorant Non-Aerosol	0 HVOC		
	0 MVOC		
	Other VOCs not restricted		

¹⁸ The requirements regarding VOCs for cosmetic products stated in this chapter is also valid for Puerto Rico.

¹⁹ For definition of different product type see *Table 4*.

Product Type ¹⁹	VOC Limitations (weight %)		
	USA	Canada	Hong Kong
Deodorant Aerosol	0 HVOC	0	Not restricted
	10 MVOC	10 MVOC	
	Other VOCs not restricted	Other VOCs not restricted	
Dry Shampoo (All forms)	50	Not restricted	Not restricted
Hairspray/Hair finishing spray (All forms)	50	55	55
Hair Shine (All forms)	55	55	Not restricted
Hair Mousse (All forms)	6	6	Not restricted
Hair Styling Product			
Gel	2	2	Not restricted
Aerosol	6	6	
Pump spray	6	6	
All other forms	2	2	
Nail Polish Remover	1	1	Not restricted
Personal Fragrance Product			
<i>Note: perfume ingredient is NOT defined as VOC in personal fragrance products</i>			
Aerosol > 20% fragrance	70	65	Not restricted
Aerosol ≤ 20% fragrance	70	75	
Non-Aerosol > 20% fragrance	75	65	
Non-Aerosol > 7-20% fragrance	75	75	
Non-Aerosol ≤ 7% fragrance	70	75	
Shaving Cream (All forms)	5	5	Not restricted
Shaving Gel (All forms)	4	4	Not restricted
Temporary Hair Colour Aerosol	55	55	Not restricted

Table 2. Volatile Organic Compounds (VOCs)

Volatile Organic Compound	CAS number
Volatile organic compound for usage in cosmetic products	
For the purpose of this <i>Table 2.</i> :	
<ul style="list-style-type: none"> • Compound = a molecule of definite chemical formula and isometric structure; • Mixture = a substance comprised of two or more compounds. 	
Compound or mixture that contains at least one carbon atom, which is NOT listed in the <i>Table 3.</i> , and meets one or more of the following:	
<ul style="list-style-type: none"> • has a vapor pressure more than 0.1mm Hg at 20 °C; • is a chemical compound with ≤ 12 carbon atoms, or a chemical mixture comprised solely of compounds with ≤ 12 carbon atoms, as verified by formulation data, and the vapor pressure and boiling point are unknown; • is a chemical compound with a boiling point lower than 216 °C; • is a weight percent of a chemical mixture that boils below 216 °C. 	
Examples of volatile organic compound for usage in cosmetic products	
Perfume ingredient	-
Plant/fruit derivatives See the VOC definition in <i>Table 2.</i>	various
Acetic acid	64-19-7
Acetophenone	98-86-2
Acetum	90132-02-8
Alcohol <i>Alcohol is not defined as MVOC for deodorant.</i>	64-17-5
Alpha-terpinene	99-86-5
Amyl acetate	628-63-7
Amyl alcohol	71-41-0
Amyl propionate	624-54-4
Benzaldehyde	100-52-7
Benzoyl isopropanol	7473-98-5
Benzyl acetate	140-11-4 / 101-41-7
Beta-pinenes	127-91-3
Butane	106-97-8
Butoxyethanol	111-76-2
Butoxyethyl acetate	112-07-2
Butoxypropanols (mixture of isomers), e.g., isobutoxypropanol	various, e.g. 23436-19-3
Butyl acetate	123-86-4
Butyl acrylate	141-32-2
Butyl alcohol	71-36-3 / 78-92-2 / 75-65-0
Butyl methacrylate	97-88-1

Volatile Organic Compound	CAS number
Butyl propionate	590-01-2
Butyrolactone	96-48-0
C10-13 alkane	129813-66-7
C10-13 isoparaffin	68551-17-7
C11-12 isoparaffin	246538-76-1
C11-13 isoparaffin	246538-78-3
C11-15-isoalkanes	90622-58-5
C12-14 isoparaffin	68551-19-9
C7-8 isoparaffin	70024-92-9
C8-9 isoparaffin	246538-71-6
C9-11 isoparaffin	68551-16-6
Camphor	464-49-3 / 76-22-2
Caprylic alcohol	111-87-5
Chlorobutanol	57-15-8
Citronellal	106-23-0
Cyclohexane	110-82-7
Cyclohexanol	108-93-0
Cyclohexanone	108-94-1
Cyclohexyl methacrylate	101-43-9
p-Cymene	99-87-6
Decane	124-18-5
Deodorized kerosene	8008-20-6
Diacetone alcohol	123-42-2
Diacetyl	431-03-8
Diethoxydiglycol	112-36-7
Diethylbenzene	25340-17-4
Diethylenetriamine	111-40-0
Dihydroxyacetone	96-26-4
Dimethyl ether	115-10-6
Dimethyl mea	108-01-0
Dimethyl succinate	106-65-0
Dimethylphenyl carbinol	617-94-7
2,6-Dimethyl-4-heptanone	108-83-8
Dodecane	112-40-3
Dodecene	112-41-4
Ethanolamine	141-43-5
Ethoxydiglycol	111-90-0
Ethyl 2-methylbutyrate	7452-79-1
Ethyl 2-methylvalerate	39255-32-8

Volatile Organic Compound	CAS number
Ethyl acetate	141-78-6
Ethyl acetoacetate	141-97-9
Ethyl butyrate	105-54-4
Ethyl ether	60-29-7
Ethyl formate	109-94-4
Ethyl isobutyrate	97-62-1
Ethyl lactate	97-64-3
Ethyl methacrylate	97-63-2
Ethyl propionate	105-37-3
2-Ethylhexanol	104-76-7
Ethylhexyl acetate	103-09-3
Formic acid	64-18-6
Gamma-terpinene	99-85-4
Glutaral	111-30-8
Glyoxal	107-22-2
Hema	868-77-9
Heptane	142-82-5
Hexanal	66-25-1
1,6-Hexanediamine	124-09-4
Hexene (mixed isomers) , e.g., 1-hexene	various, e.g., 592-41-6
3-Hexenol	928-96-1
3-Hexenyl acetate	1708-82-3
Hexyl acetate	142-92-7
Hexyl alcohol	111-27-3
Isoamyl acetate	123-92-2
Isoamyl butyrate	51115-64-1
Isobutane	75-28-5
Isobutyl acetate	110-19-0
Isobutyl isobutyrate	97-85-8
Isobutyl methacrylate	97-86-9
Isododecane	31807-55-3 / 93685-81-5 / 13475-82-6
Isononyl alcohol	27458-94-2
Isooctane	540-84-1
Isopentane	78-78-4
Isopentyldiol	50468-22-9 / 2568-33-4
Isopropanolamine	78-96-6
Isopropyl acetate	108-21-4
Isopropyl alcohol	67-63-0
L-beta-pinene	18172-67-3
Limonene	138-86-3 / 5989-27-5
M-aminophenol	591-27-5
MEK	78-93-3

Volatile Organic Compound	CAS number
Menthol	1490-04-6 / 2216-51-5 / 89-78-1 / 15356-70-4
Mesitylene	108-67-8
Methacrylic acid	79-41-4
p-Menthadiene	555-10-2
Methoxyisopropanol	107-98-2
Methoxyisopropyl acetate	108-65-6
Methoxymethylbutanol	56539-66-3
4-Methylpentan-2-ol	108-11-2
2-Methylpropanol	78-83-1
Methyl amyl ketone	110-43-0
Methyl isopropyl ketone	563-80-4
Methyl lactate	27871-49-4 / 547-64-8
Methyl methacrylate	80-62-6
Methyl nonyl ketone	112-12-9
Methylene glycol	463-57-0
Methylethanolamine	109-83-1
Methylheptanone	541-85-5
Methyltrimethoxysilane	1185-55-3
Mineral spirits	8032-32-4
Myrcene	123-35-3
Nonanal	124-19-6
Nonane	111-84-2
Octane	111-65-9
Pentane	109-66-0
Pentanol (mixed isomers)	various
2-Pentanol	6032-29-7
Pentanone	107-87-9
Phenylpropane	103-65-1
Pinene	80-56-8
PPG-2 Methyl ether (isomers and mixture of isomers)	various, e.g. 13429-07-7 / 34590-94-8
Propane	74-98-6
Propionic acid	79-09-4
Propyl acetate	109-60-4
Propyl alcohol	71-23-8
Propylene glycol butyl ether	5131-66-8
Propylene glycol propyl ether	1569-01-3 / 30136-13-1
Terpene hydrocarbons	68956-56-9
Terpineol	8000-41-7
Terpinolene	586-62-9
Tetrahydrofurfuryl methacrylate	2455-24-5
Trans-2-hexenal	6728-26-3

Volatile Organic Compound	CAS number
Triethylamine	121-44-8
Trifluoroethyl methacrylate	352-87-4
Trimethylbenzene	95-63-6
Trimethylbicycloheptane	473-55-2 / 6876-13-7
Tromethamine	77-86-1
Turpentine	8006-64-2 / 9005-90-7 / 8052-14-0
Undecane	1120-21-4
Vinegar	8028-52-2
Vinylstyrene	1321-74-0
Xylene	95-47-6 / 108-38-3 / 1330-20-7

Table 3. Exempted Volatile Organic Compounds

Volatile Organic Compound	CAS number
Acetone	67-64-1
Aminomethyl propanol	124-68-5
Ammonium carbonate	10361-29-2
Carbon dioxide	124-38-9
Cyclic, branched, or linear completely methylated siloxanes	-
Cyclic, branched, or linear, completely fluorinated alkanes	-
Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations	-
Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations	-
Dimethyl carbonate	616-38-6
Ethane	74-84-0
Metallic carbides	Various
Metallic carbonates	Various
Methyl acetate	79-20-9
Propylene carbonate	108-32-7
Sulfur containing perfluorocarbons with no unsaturations and with the sulfur bonds to carbon and fluorine	-
T-butyl acetate	540-88-5

Table 4. Definition of Product Type – only for the purpose of Chapter 6

Product Type	Definition
Astringent/ Toner	Astringent/Toner means any product designed or labeled to be applied to the skin for the purpose of cleaning or tightening pores. This category also includes clarifiers and substrate-impregnated products. This category does not include any hand, face, or body cleaner or soap product, “Medicated Astringent/Medicated Toner,” cold cream, lotion, antiperspirant, or any Astringent/Toner product regulated as a drug by the United States Food and Drug Administration (FDA).
Deodorant	Deodorant means any product including, but not limited to, aerosol, roll-ons, sticks, pumps, pads, creams, and squeeze-bottles, that indicates or depicts on the container or packaging, or on any sticker or label affixed thereto, that the product can be used on or applied to the human axilla to provide a scent and/or minimize odour.
Hairspray/Hair finishing spray	Hairspray/Hair finishing spray means a consumer product that is applied to styled hair, and is designed or labelled to provide sufficient rigidity, to hold, retain and/or (finish) the style of the hair for a period of time.
Hair Shine	Hair Shine means any product designed for the primary purpose of creating a shine when applied to the hair. “Hair Shine” includes, but is not limited to, dual-use products designed primarily to impart sheen to the hair. “Hair Shine” does not include “Hairspray/Hair Finishing Spray,” “Hair Mousse,” “Hair Styling Product,” or products whose primary purpose is to condition or hold the hair.
Hair Mousse	Hair Mousse means a hairstyling foam designed to facilitate styling of a coiffure and provide limited holding power.
Hair Styling Product	<p>Hair Styling Product means a consumer product that is designed or labeled for the application to wet, damp or dry hair to aid in defining, shaping, lifting, styling and/or sculpting of the hair.</p> <p>“Hair Styling Product” includes, but is not limited to hair balm, clay, cream, creme, curl straightener, gel, liquid, lotion, paste, pomade, putty, root lifter, serum, spray gel, stick, temporary hair straightener, wax, spray products that aid in styling but do not provide finishing of a hair style, and leave-in volumizers, detanglers and/or conditioners that make styling claims. “Hair Styling Product” does not include “No Rinse Shampoo,” “Thermal Protectant,” “Hair Mousse,” “Hair Shine,” “Hairspray/Hair Finishing Spray,” or shampoos or conditioners that are rinsed from the hair prior to styling.</p> <p>“Finish” or “finishing” means the maintaining and/or holding of previously styled hair for a period of time. “Styling” means the forming, sculpting, or manipulating the hair to temporarily alter the hair’s shape.</p>
Nail Polish Remover	Nail Polish Remover means a product designed to remove nail polish and coatings from fingernails or toenails.

Product Type	Definition
Personal Fragrance Product	<p>Personal Fragrance Product means any product which is applied to the human body or clothing for the primary purpose of adding a scent or masking a malodor, including, but not limited to, EdT, body mist, perfume, body splash, body spray, cologne, aftershave, toilet water, lotion, and powder.</p> <p>Personal Fragrance Product does not include: (A) deodorant; (B) medicated products designed primarily to alleviate fungal or bacterial growth on feet or other areas of the body; (C) mouthwashes, breath fresheners and deodorizers; (D) lotions, moisturizers, powders or other skin care products designed or labeled to be used primarily to alleviate skin conditions such as dryness and irritations; (E) products designed exclusively to be applied to human genitalia areas, undergarments, and any paper products, napkins or other products that are affixed to undergarments, such as sanitary pads; (F) soaps, shampoos, and products primarily used to clean the human body; and (G) fragrance products designed to be used exclusively on nonhuman animals.</p>
Shaving Cream	Shaving Cream means an aerosol product which dispenses a foam lather intended to be used with a blade or cartridge razor, or other wet-shaving system, in the removal of facial or other bodily hair. "Shaving Cream" does not include "Shaving Gel."
Shaving Gel	Shaving Gel means an aerosol product which dispenses a post-foaming semi-solid designed to be used with a blade, cartridge razor, or other shaving system in the removal of facial or other bodily hair. "Shaving Gel" does not include "Shaving Cream."
Temporary Hair Colour Aerosol	"Temporary Hair Colour" means any product that applies color, glitter, or UV-active pigments to hair, wigs, or fur and is removable when washed. "Temporary Hair Color" includes hair color mousses and products labeled to add texture or thickness to cover thinning/balding areas. "Temporary Hair Color" does not include "Hair Finishing Spray," "Hair spray/Hair Styling Product," or "Hair Mousse."

7. Permitted Colorants in Cosmetic Products

All substances listed below are permitted as colorants in Cosmetic products under the specific restrictions and requirements laid down.

The numbers under the column “Field of application” mean:

1. Colouring agents permitted in all cosmetic products.
2. Colouring agents permitted in all cosmetic products, except those intended for use in the area of eye (eye lid, eye lashes and area below the eye down to the cheek bone).
3. Colouring agents permitted only in externally applied cosmetic products. They should not intend to come into contact neither with the mucous membrane (includes the intimate/genital area and the oral cavity of the mouth) nor with the lips.
4. Colouring agents permitted only in externally applied cosmetic products, except those intended for use in the area of eye. They should not intend to come into contact neither with the mucous membrane nor with the lips.

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 10316 ²³	Yellow				X	See also 21 CFR 74.2707a. All lakes are permitted as the ordinary colour, see 21 CFR 82.2051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, A7s, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 12085 ²³	Red				X	Maximum level in the finished cosmetic product should not exceed 3.0%. Also permitted in lip products at a maximum level of 3.0% in the finished product. See also 21 CFR 74.2336. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

²⁰ Permitted colorants are named by their CI no. or other commonly used denomination. The lakes and salts of the permitted colorants, using substances not prohibited in Annex II or not regulated in Annex III of EU Cosmetic Regulation, are also permitted except if otherwise specified under the headline “Other requirements”.

²¹ If there is no cross in the columns below the headline “Field of application” appropriate restrictions and conditions of use will be found under the headline “Other requirements”.

²² Colorants whose number is preceded by the letter “E” in accordance with the EU Directive of 1962 concerning foodstuffs and coloring matters must fulfil the purity requirements laid down in those Directives. They continue to be subject to the general criteria set out in Annex III to the 1962 Directive concerning coloring matters where the letter “E” has been deleted there from. See also EU Cosmetic Regulation Annex IV for more information about the limitations and purity requirements in Europe for each colorant specified above.

²³ The insoluble Barium, Strontium and Zirconium lakes, salts and pigments of these colorants shall also be permitted. They must pass test for insolubility, which will be determined by the procedure laid down in Article 8 in the EU Cosmetic Regulation.

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 14700	Red				X	See also 21 CFR 74.2304. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051 and 21 CFR 82.51. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 15510 ²³	Orange				X	See also 21 CFR 74.2254. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 15800	Red				X	See also 21 CFR 74.2331. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 15850 ^{23,24}	Red		X			E180 (Commission Regulation (EU) No 231/2012). See also 21 CFR 74.2306. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
	Red		X			E180 (Commission Regulation (EU) No 231/2012). See also 21 CFR 74.2307. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 15880	Red				X	See also 21 CFR 74.2334. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 15985 ²³	Yellow		X			E 110 (Commission Regulation (EU) No 231/2012). See also 21 CFR 74.2706. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051 and 21 CFR 82.51. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

²⁴ This colorant has two different names as a certified colorant in USA. Therefore this colorant has two different criteria regarding purity, other requirements, limitations and field of application.

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 16035	Red	X				E 129 (Commission Regulation (EU) No 231/2012). Shall not be exposed to oxidizing or reducing agents or any other condition that may affect their integrity. The aluminium lake of this colour is permanently permitted in cosmetics intended for use in the area of the eye. See also 21 CFR 74.2340. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 17200 ²³	Red				X	Also permitted in lip products at a maximum level of 3.0% in the finished product. And permitted in mouthwashes (including breath fresheners) and dentifrices. See also 21 CFR 74.2333. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 19140 ²³	Yellow	X				E 102 (Commission Regulation (EU) No 231/2012). The aluminium lake of this colour is permanently permitted in cosmetics intended for use in the area of the eye. See also 21 CFR 74.2705. All other lakes are permitted in all cosmetics, except those intended for use in the area of the eye, see 21CFR 82.1051 and 21 CFR 82.51. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 40800	Orange	X				E160a (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2095. For products to South Korea: Usage ban. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 42053	Green		X			See also 21 CFR 74.2203. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051 and 21 CFR 82.51. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 42090 ²⁴	Blue 4				X	E133 (Commission Regulation (EU) No 231/2012). See also 21 CFR 74.2104. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
	Blue 1	X				E133 (Commission Regulation (EU) No 231/2012). The aluminium lake of this colour is permitted in cosmetics generally, including cosmetics intended for use in the area of the eye. See also 21 CFR 74.2101. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 45350 ²⁴	Yellow				X	Maximum level in the finished cosmetic product should not exceed 6%. See also 21 CFR 74.2707. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
	Yellow				X	Maximum level in the finished cosmetic product should not exceed 6%. See also 21 CFR 74.2708. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 45370 ²³	Orange				X	Also permitted in lip products at a maximum level of 5.0% in the finished product. And permitted in mouthwashes and dentifrices that are to be ingested. Not more than 1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid. See also 21 CFR 74.2255. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. Usage ban of Zirconium containing complexes in aerosol package. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 45380 ^{23,24}	Red		X			<p>Not more than</p> <p>1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and</p> <p>2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid.</p> <p>See also 21 CFR 74.2321. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051.</p> <p>Usage ban of Zirconium containing complexes in aerosol package.</p> <p>For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>
	Red		X			<p>Not more than</p> <p>1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and</p> <p>2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid.</p> <p>See also 21 CFR 74.2322. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051.</p> <p>Usage ban of Zirconium containing complexes in aerosol package.</p> <p>For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>
CI 45410 ^{23,24}	Red		X			<p>Not more than</p> <p>1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and</p> <p>2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid.</p> <p>See also 21 CFR 74.2327. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051.</p> <p>Usage ban of Zirconium containing complexes in aerosol package.</p> <p>For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>
	Red		X			<p>Not more than</p> <p>1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and</p> <p>2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid.</p> <p>See also 21 CFR 74.2328. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051.</p> <p>Usage ban of Zirconium containing complexes in aerosol package.</p> <p>For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>
CI 47000	Yellow				X	<p>See also 21 CFR 74.2711.</p> <p>For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited.</p> <p>For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 47005	Yellow		X			E 104 (Commission Regulation (EU) No 231/2012). See also 21 CFR 74.2710. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 59040	Green				X	Maximum level in the finished cosmetic product should not exceed 0.01%. See also 21 CFR 74.2208. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 60725	Violet				X	See also 21 CFR 74.2602. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 60730	Violet				X	See also 21 CFR 74.2602a. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 61565	Green				X	See also 21 CFR 74.2206. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 61570	Green	X				See also 21 CFR 74.2205. All lakes are permitted in all cosmetics, except those intended for use in the area of the eye, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 73360	Red		X			See also 21 CFR 74.2330. All lakes are permitted as the ordinary colour, see 21 CFR 82.1051. For products to South Korea: Lakes of Strontium, Barium or Zirconium are prohibited. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 75120	Orange	X				E 160 b (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2030. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 75130	Orange	X				E 160 a (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2095. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 75170	White	X				See also 21 CFR 73.2329. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 75470	Red	X				E 120 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2087.
CI 75810	Green					Only to be used in cosmetic dentifrices at a maximum level of 0.1% and only together with*: Water. Glycerine. Sodium carboxymethylcellulose. Tetrasodium pyrophosphate. Sorbitol. Magnesium phosphate, tribasic. Calcium carbonate. Calcium phosphate, dibasic. Sodium N-lauroyl sarcosinate. Artificial sweeteners*. Flavours*. Preservatives* E 140 and E 141 (Commission Regulation (EU) No 231/2012). *See also 21 CFR 73.2125. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm
CI 77000	White			X		E 173 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2645.
CI 77007	Blue			X		See also 21 CFR 73.2725.
CI 77163	White	X				See also 21 CFR 73.2162.
CI 77266	Black	X				See also 21 CFR 74.2052. For products to India: As ≤ 2 ppm, Pb ≤ 10 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
CI 77266 (nano)	Black	X				<p>Maximum concentration 10 %.</p> <p>Not to be used in applications that may lead to exposure of the end user's lungs by inhalation.</p> <p>Purity > 97 %, with the following impurity profile: Ash content ≤ 0,15 % Total sulphur ≤ 0,65 % Total PAH ≤ 500 ppb and benzo(a)pyrene ≤ 5 ppb Dibenz(a,h)anthracene ≤ 5 ppb, Total As ≤ 3 ppm, Total Pb ≤ 10 ppm Total Hg ≤ 1 ppm Primary particle size ≥ 20 nm</p> <p>See also 21 CFR 74.2052. For products to India: As ≤ 2 ppm, Pb ≤ 10 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm</p>
CI 77288	Green			X		Free from chromate ion. See also 21 CFR 73.2327.
CI 77289	Green			X		Free from chromate ion. See also 21 CFR 73.2326.
CI 77400²⁴	Brown	X				See also 21 CFR 73.2646.
	Brown	X				See also 21 CFR 73.2647.
CI 77489	Orange	X				See also 21 CFR 73.2250.
CI 77491	Red	X				E 172 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2250.
CI 77492	Yellow	X				E 172 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2250.
CI 77499	Black	X				E 172 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2250.
CI 77510	Blue			X		Free from cyanide ions. See also 21 CFR 73.2299.
CI 77742	Violet	X				See also 21 CFR 73.2775.
CI 77820	White					Permitted in fingernail polishes at a maximum level of 1.0% in the finished product. E 174 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2500.
CI 77891	White	X				E 171 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2575.
CI 77947	White	X				See also 21 CFR 73.2991.
Caramel	Brown	X				E 150 (Commission Regulation (EU) No 231/2012). See also 21 CFR 73.2085. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

Permitted Colorants ²⁰	Colour	Field of Application ²¹				Other Requirements ²²
		1	2	3	4	
Mica	Opaque	X				See also 21 CFR 73.2496. For products to India: As ≤ 2 ppm, Pb ≤ 20 ppm, Sum of heavy metals (Sb, As, Cd, CrVI, Co, Pb, Hg, Ni) ≤ 100 ppm

8. Permitted UV Filters in Cosmetic Products²⁵

This chapter is only applicable to UV filters.

Permitted UV filter CAS number	Limit/ Requirement	Permitted markets	Permitted combinations ²⁶	
			1	2
Benzophenone-3 131-57-7	a) Face, hand, and lip products 6 %	All markets except USA	X	X
	b) Body products 2 %			
	c) Other products 0.5 %			
Benzophenone-4 4065-45-6	5%	All markets	X	X
Benzophenone-5 6628-37-1	5%	All markets	X	X
Butyl Methoxydibenzoylmethane 70356-09-1	3%	All markets except USA		X
Ethylhexyl Dimethyl PABA 21245-02-3	8%	All markets	X	
Ethylhexyl Methoxycinnamate 5466-77-3	7.5%	All markets except USA	X	X
Ethylhexyl Salicylate 118-60-5	5%	All markets	X	X
Homosalate 118-56-9	Only in face products, except for propellant spray products 7.34 %	All markets	X	X
Octocrylene 6197-30-4	Propellant spray products 9 %	All markets except USA		X
	Other products 10%			
Phenylbenzimidazole Sulfonic Acid 27503-81-7	4%	All markets	X	
Titanium Dioxide 13463-67-7/ 1317-70-0/ 1317-80-2	25% ²⁷	All markets	X	
Titanium Dioxide (nano) 13463-67-7/ 1317-70-0/ 1317-80-2	25% ²⁸	All markets	X	

²⁵ Products that contain the permitted UV filters, alone or in acceptable combination, with the purpose to protect the skin from UV-radiation are defined as a sunscreen product. Sunscreen products are defined as over the counter drugs in the U.S.A.

²⁶ One formulation may contain one single UV filter or several UV filters in combination. UV filters marked by an X in column 1 may be combined in the same formulation. UV filters marked by an X in column 2 may be combined in the same formulation. No other combinations are permitted.

The concentration limit for each individual UV filter ingredient is valid when both single and multiple UV filters are used, except for when specifically specified.

In formulations with two or more UV filters the concentration of each UV filter must be high enough to contribute SPF of 2 or more to the final product. For example, a formulation with UV filters "A and B" has SPF of 15, then A has to contribute with at least SPF of 2 and B with SPF of 13 or less; 2+13=15. (1+14=15 is not ok since 1<2)

²⁷ In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum should not exceed the maximum concentration of 25 %.

²⁸ In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum should not exceed the maximum concentration of 25 %. Not to be used in applications that may lead to exposure of the end user's lungs by inhalation.

9. Permitted Preservatives in Cosmetic Products

The listed preservatives can only be used if the conditions in the table are fulfilled.

Permitted preservative CAS number		Conditions	
		Maximum concentration	Field of application
Benzoic acid 65-85-0 Sodium Benzoate 532-32-1		2.5% (as acid)	Rinse-off products, except oral
		1.7% (as acid)	Oral products
		0.5% (as acid)	Leave-on products
Salts of Benzoic acid (Ammonium benzoate, calcium benzoate, potassium benzoate, magnesium benzoate, MEA-benzoate, methyl benzoate, ethyl benzoate, propyl benzoate, butyl benzoate, isobutyl benzoate, isopropyl benzoate, phenyl benzoate) 1863-63-4, 2090-05-3, 582-25-2, 553-70-8, 4337-66-0, 93-58-3, 93-89-0, 2315-68-6, 136-60-7, 120-50-3, 939-48-0, 93-99-2		0.5% (as acid)	All products
Propionic acid and its salts (ammonium propionate, calcium propionate, magnesium propionate, potassium propionate, sodium propionate) 79-09-4, 17496-08-1, 4075-81-4, 557-27-7, 327-62-8, 137-40-6		2% (as acid)	All products
Salicylic acid and its salts ²⁹	Salicylic acid ²⁹ 69-72-7	0.5% (as acid)	All products except <ul style="list-style-type: none"> - products for children under 3 years of age; - oral products; - in applications that may lead to exposure of the end-user's lungs by inhalation. Specific labelling requirement ²⁹
	Calcium salicylate, magnesium salicylate, MEA- salicylate, sodium salicylate, potassium salicylate, TEA- salicylate), 824-35-1, 18917-89-0, 59866-70-5, 54-21-7, 578-36-9, 2174-16-5	0.5% (as acid)	All products except product for children under 3 years of age (except for shampoos). Specific labelling requirement ²⁹

²⁹ Specific label requirement is according to the EU cosmetic regulation

Permitted preservative <i>CAS number</i>	Conditions	
	Maximum concentration	Field of application
Sorbic acid and its salts (calcium sorbate, sodium sorbate, potassium sorbate) <i>110-44-1, 7492-55-9, 7757-81-5, 24634-61-5</i>	0.6% (as acid)	All products
Inorganic sulphites and hydrogensulphites (sodium sulfite, ammonium bisulfite, ammonium sulfite, potassium sulfite, potassium hydrogen sulfite, sodium bisulfite, sodium metabisulfite, potassium metabisulfite) <i>7757-83-7, 10192-30-0, 10196-04-0, 10117-38-1, 7773-03-7, 7631-90-5, 7681-57-4, 16731-55-8</i>	0.2% (as free SO ₂)	All products
Chlorobutanol <i>57-15-8</i>	0.5%	All products except aerosol dispensers (sprays) Specific labelling requirement ²⁹
4-Hydroxybenzoic acid and its Methyl- and Ethylesters and their salts (methylparaben, potassium ethylparaben, potassium paraben, sodium methylparaben, sodium ethylparaben, ethylparaben, sodium paraben, potassium methylparaben, calcium paraben) <i>99-96-7, 99-76-3, 36457-19-9, 16782-08-4, 5026-62-0, 35285-68-8, 120-47-8, 114-63-6, 26112-07-2, 69959-44-0</i>	0.4 % (as acid) for single ester 0.8 % (as acid) for mixtures of esters	All products
Butylparaben and its salts (sodium butylparaben, potassium butylparaben) <i>94-26-8, 36457-20-2, 38566-94-8</i> Propylparaben and its salts (sodium propylparaben, potassium propylparaben) <i>94-13-3, 35285-69-9, 84930-16-5</i>	0.14 % (as acid) When mixed with other parabens, sum of conc.: 0.8% (as acid), but individual concentration for butylparaben and/or propylparaben shall not exceed 0.14 %	All products except leave-on products for application on the nappy area of children under 3 years of age. Specific labelling requirement ³⁰
Dehydroacetic acid <i>520-45-6, 16807-48-0</i> Sodium dehydroacetate <i>4418-26-2</i>	0.6% (as acid)	All products except aerosol dispensers (sprays)
Formic acid <i>64-18-6</i> Sodium formate <i>141-53-7</i>	0.5% (as acid)	All products
Dibromohexamidine Isethionate <i>93856-83-8</i>	0.1%	All products

³⁰ Specific label requirement is according to the EU cosmetic regulation.

Permitted preservative CAS number	Conditions	
	Maximum concentration	Field of application
Undecylenic acid and its salts (potassium undecylenate, sodium undecylenate, calcium undecylenate, TEA-undecylenate, MEA-undecylenate) 112-38-9, 6159-41-7, 3398-33-2, 1322-14-1, 84471-25-0, 56532-40-2	0.2% (as acid)	Rinse-off products
Hexetidine 141-94-6	0.1%	Rinse-off products
5-Bromo-5-nitro-1,3-dioxane 30007-47-7	0.1%	Rinse-off products Specific labelling requirement ³⁰
2-Bromo-2-nitropropane-1,3-diol 52-51-7	0.1%	All products Specific labelling requirement ³⁰
Dichlorobenzyl Alcohol 1777-82-8	0.15%	All products
Triclocarban ³¹ 101-20-2	0.2%	All products
Chloroxylenol 88-04-0	0.5%	All products
Imidazolidinyl urea 39236-46-9	0.6%	All products
Phenoxyethanol 122-99-6	1.0%	All products
Methenamine 100-97-0	0.15%	All products
Climbazole 38083-17-9	0.2%	Hair lotions
	0.2%	Face creams
	0.5%	Rinse-off hair product
DMDM Hydantoin 6440-58-0	0.6%	All products
Benzyl alcohol 100-51-6	1.0%	All products except in deodorants and antiperspirants aimed to be used under arms or in child appealing and children's cosmetic products
1-Hydroxy-4-methyl-6- (2,4,4-trimethyl-pentyl)-2-pyridon, Piroctone Olamine 50650-76-5, 68890-66-4	1.0%	Rinse-off products
	0.5%	Leave-on products
Bromochlorophene 15435-29-7	0.1%	All products
o-Cymen-5-ol 3228-02-2	0.1%	All products
Chlorhexidine, Chlorhexidine diacetate, Chlorhexidine digluconate, Chlorhexidine dihydrochloride 55-56-1, 56-95-1, 18472-51-0, 3697-42-5	0.1% (as chlorhexidine)	Rinse-off products except products used on mucous membranes
	0.05% (as chlorhexidine)	Leave-on products except products used on mucous membranes

³¹ Purity criteria: 3, 3', 4,4'-Tetrachloroazobenzene < 1ppm; 3, 3', 4,4'-Tetrachloroazoxybenzene < 1ppm.

Permitted preservative CAS number	Conditions	
	Maximum concentration	Field of application
Phenoxyisopropanol 770-35-4	1.0%	Rinse-off products
Behentrimonium chloride, Cetrimonium bromide, Cetrimonium chloride, Laurtrimonium bromide, Laurtrimonium Chloride, Steartrimonium bromide, Steartrimonium chloride 17301-53-0, 57-09-0, 112-02-7, 1119-94-4, 112-00-5, 1120-02-1, 112-03-8	0.1%	All products except hair products
Dimethyl Oxazolidine 51200-87-4	0.1%	pH > 6
Diazolidinyl Urea 78491-02-8	0.5%	All products
Hexamidine, Hexamidine diisethionate, Hexamidine diparaben, Hexamidine paraben 3811-75-4, 659-40-5, 93841-83-9, -	0.1%	All products
Glutaral 111-30-8	0.1%	All products except aerosols (sprays) Specific labelling requirement ³²
Chlorphenesin 104-29-0	0.3%	All products
Benzethonium Chloride 121-54-0	0.1%	All products except oral leave-on products or products used on mucous membranes
Benzalkonium chloride, benzalkonium bromide, benzalkonium saccharinate 8001-54-5, 63449-41-2, 91080-29-4, 68989-01-5, 68424-85-1, 68391-01-5, 61789-71-7, 85409-22-9	0.1% (as benzalkonium chloride)	Rinse-off products Specific labelling requirement ³²
	0.05% (as benzalkonium chloride)	Leave-on products Specific labelling requirement ³²
Benzalkonium chloride 63449-41-2	Usage ban in spray-type products	
Benzylhemiformal 14548-60-8	0.15%	Rinse-off products
Iodopropynyl butylcarbamate 55406-53-6	Rinse-off product (a): 0.02%	All products except oral products, lip products, body lotion, body cream, aerosols and products intended for children under 3 years of age. Specific labelling requirement ³³
	Leave-on product (b): 0.01%	
	Deodorant, antiperspirant (c): 0.0075%	

³² Specific label requirement is according to the EU cosmetic regulation.

³³ Specific label requirement is according to the EU cosmetic regulation.

Permitted preservative CAS number	Conditions	
	Maximum concentration	Field of application
Ethyl Lauroyl Arginate HCl 60372-77-2	0.4%	All products except oral products, lip products and spray products

10. Test Methods for Cosmetic Products

10.1 For All Countries

Restricted substance	Test method
Antimony (Sb)	Extractable amount: DIN EN 71-3 with sweat simulant of DIN 53160
	Total content: ISO 21392 (ICP/MS)
Arsenic (As)	Total content: ISO 21392 (ICP/MS)
Cadmium (Cd)	Total content: ISO 21392 (ICP/MS)
Chromium (Cr)	Total content: ISO 21392 (ICP/MS)
Chromium (Cr ⁶⁺)	Photometry/IC
Cobalt (Co)	Total content: ISO 21392 (ICP/MS)
Cyclotetrasiloxane (D4)	GC-MS analysis
Diethylene glycol (DEG)	GC-MS analysis
Formaldehyde	Free formaldehyde: LC-MS analysis based on §64 LFGB K 84.00-7 (EG)
	Total content: derivatisation with DNPH followed by LC-MS analysis
Fragrance allergens	EN 16274
Lead (Pb)	Total content: ISO 21392 (ICP/MS)
Mercury (Hg)	Total content: Microwave digestion with HNO ₃ followed by ICP-MS
Methylene chloride	GC-MS analysis after extraction with ethylacetate
Nickel (Ni)	Total content: ISO 21392 (ICP/MS)
2-Nitro-p-phenylene diamine	GC-MS analysis
4-Nitro-o-phenylene diamine	GC-MS analysis
Nitrosamines	GC-MS analysis
Nonylphenol ethoxylates (NPE)	LC-MS analysis
Octylphenol ethoxylates (OPE)	LC-MS analysis
Phthalates (except diethylphthalate)	GC-MS analysis after extraction with THF/methanol
Residual solvents	GC-MS-Headspace analysis
Silver (Ag) and its salts	Total content: Microwave digestion with HNO ₃ followed by ICP-MS
Triclosan	GC and/or LC-MS analysis after extraction with methanol

10.2 For India

Arsenic (AS): Indian Standard IS 16913

11. Version History

The document ID have been updated from GPCD-000067 to 00067 in version 5. Chapter *General* is rewritten, and Chapters *Commitment* and *Examples* are moved to *H&M Group Restricted Substance List (RSL) Introduction and Commitment - All Product Types*, document ID 00432.

All other version history information is available in the separate file *History and Sources COSMETICS*.

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