

List of Preservatives Allowed in Cosmetic Products

No.	Ingredient	INCI	CAS No.	Limits and Requirements
1	Alkylisoquinolinium bromide (Lauryl isoquinolinium bromide) (2-Dodecylisoquinolin-2-iumbromide)	Lauryl isoquinolinium bromide	93-23-2	(a) When used in rinse-off products, limit: 0.5% (b) When used in other products, limit: 0.05% (a)&(b): Precautions: Avoid contact with eyes.
2	Alkyl (C12-22) trimethyl ammonium bromide and chloride	Behentrimonium chloride/ Cetrimonium bromide/ Cetrimonium chloride/ Laurrimonium bromide/ Laurrimonium chloride/ Stearrimonium bromide/ Stearrimonium chloride	17301-53-0/ 57-09-0/ 112-02-7/ 1119-94-4/ 112-00-5/ 1120-02-1/ 112-03-8	0.1%
3	Benzalkonium chloride, bromide and saccharinate	Benzalkonium chloride/ Benzalkonium bromide/ Benzalkonium saccharinate	8001-54-5/ 91080-29-4/ 61789-71-7/ 63449-41-2/ 68391-01-5/ 68424-85-1/ 68989-01-5/ 85409-22-9	0.1% (calc. as benzalkonium chloride) Precautions: Avoid contact with eyes.
4	Benzethonium chloride	Benzethonium chloride	121-54-0	(a) When used in rinse-off products, limit: 0.1% (b) When used in leave-on products, limit: 0.1% Not to be used in oral preparations.
5	Salts of benzoic acid and esters of benzoic acid	Ammonium benzoate/ Butyl benzoate/ Calcium benzoate/ Ethyl benzoate/	1863-63-4/ 2090-05-3/ 582-25-2/ 553-70-8/ 4337-66-0/	1%

		Isobutyl benzoate/ Isopropyl benzoate/ Magnesium benzoate/ MEA-benzoate/ Methyl benzoate/ Phenyl benzoate/ Potassium benzoate/ Propyl benzoate/ Sodium benzoate	93-58-3/ 93-89-0/ 2315-68-6/ 136-60-7/ 1205-50-3/ 939-48-0/ 93-99-2/ 532-32-1	
6	Benzoic acid	Benzoic acid	65-85-0	0.2%
7	Benzyl alcohol	Benzyl alcohol	100-51-6	1%
8	2-Benzyl-4-chlorophenol	Chlorophene	120-32-1	0.2%
9	Cetylpyridinium chloride	Cetylpyridinium chloride	123-03-5	(a) When used in rinse-off products, limit: 5% (b) When used in products that come in contact with mucous membranes, limit: 0.01% (c) When used in other products, limit: 1%
10	Benzenesulfonamide	Chloramine T	127-65-1	(a) When used in rinse-off products, limit: 0.3% (b) When used in other products, limit: 0.1%
11	Chlorhexidine	Chlorhexidine	55-56-1	(a) When used in rinse-off products, limit: 0.1% (b) When used in other products, limit: 0.05%
12	Chlorhexine gluconate	Chlorhexidine digluconate	18472-51-0	(a) When used in rinse-off products, limit: 0.1% (b) When used in other products, limit: 0.05% (a)&(b): Precautions: Avoid contact with eyes
13	Chlorhexidine hydrochloride	Chlorhexidine dihydrochloride	3697-42-5	(a) When used in products that come in contact with mucous membranes, limit: 0.001% (b) When used in other

				products, limit: 0.1%
14	Chlorobutanol	Chlorobutanol	57-15-8	0.1% Not to be used in aerosol products.
15	Chlorocresol	p-Chloro-m-cresol	59-50-7	0.5% Not to be used in products that come in contact with mucous membranes.
16	Chloroxylenol	Chloroxylenol	88-04-0/ 1321-23-9	0.5%
17	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate and 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, silver(1+) salt, monohydrate	Citric acid (and) Silver citrate	-	0.2% (equivalent to silver 0.0024%) Not to be used in oral and eye preparations.
18	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one	Climbazole	38083-17-9	0.5% Precautions: Avoid using three or more leave-on products which contain climbazole at the same time.
19	Dehydroacetic acid and its salts	Dehydroacetic acid/ Sodium dehydroacetate	520-45-6/ 16807-48-0/ 4418-26-2	0.5% (total)
20	4,4-Dimethyl-1,3-oxazolidine	Dimethyl oxazolidine	51200-87-4	0.1% (pH>6)
21	6,6-Dibromo-4,4-dichloro-2,2'-methylene diphenol	Bromochlorophene	15435-29-7	0.1%
22	1,2-Dibromo-2,4-dicyanobutane	Methyldibromo glutaronitrile	35691-65-7	0.1% Can be only used in rinse-off products.
23	3,3'-Dibromo-4,4'-hexamethylene dioxidibenzamidine and its salts (including isethionate)	Dibromohexamidine isethionate	93856-83-8	0.1%
24	2,4-Dichlorobenzyl alcohol	Dichlorobenzyl alcohol	1777-82-8	0.15%
25	Ethyl-N-alpha-dodecanoyl-L-arginate hydrochloride	Ethyl lauroyl arginate HCl	60372-77-2	0.4% Not to be used in oral, lip preparations, or aerosol products.
26	5-Ethyl-3,7-dioxo-1-azabicyclo [3.3.0]octane	7-Ethylbicyclooxazolidine	7747-35-5	0.3% Not to be used in products that come in contact with mucous

				membranes.
27	Formic acid and its sodium salt	Formic acid/ Sodium formate	64-18-6/ 141-53-7	0.5% (calc. as acid)
28	Glutaraldehyde (Pentane-1,5-dial)	Glutaral	111-30-8	0.1% Not to be used in aerosol products.
29	Halocarban	Cloflucarban	369-77-7	0.3%
30	Hexamidine and its salts, ester	Hexamidine/ Hexamidine diisethionate/ Hexamidine paraben	3811-75-4/ 659-40-5/ 93841-83-9	0.1%
31	Hexetidine	Hexetidine	141-94-6	0.1%
32	4-Chlorophenol	p-Chlorophenol	106-48-9	0.25%
33	Inorganic sulphites and hydrogensulphites	Ammonium bisulfite/ Ammonium sulfite/ Potassium metabisulfite/ Potassium sulfite/ Sodium bisulfite/ Sodium metabisulfite/ Sodium sulfite	10192-30-0/ 10196-04-0/ 16731-55-8/ 4429-42-9/ 10117-38-1/ 23873-77-0/ 7631-90-5/ 7681-57-4/ 7757-74-6/ 7757-83-7	0.2% (calc. as free SO ₂)
34	3-Iodo-2-propynylbutylcarbamate	Iodopropynyl butylcarbamate	55406-53-6	(a) When used in rinse-off products, limit: 0.02% Not to be used in oral or lip preparations. Not to be used in products for children under three years of age, with the exception of bath and hair cleansing products. Precautions: Not to be used for children under three years of age. (b) When used in leave-on products, limit: 0.01% Not to be used in oral or lip preparations. Not to be used in body lotions or body creams. Precautions: Not to be used for children under three years of age. (c) When used in antiperspirants and deodorants, limit:

				0.0075% Not to be used in oral or lip preparations. Not to be used for children under three years of age. Precautions: Not to be used for children under three years of age.
35	4-Isopropyl-m-cresol	Isopropyl cresols/ o-Cymen-5-ol	3228-02-2	0.1%
36	2-Methyl-2H-isothiazol-3-one	Methylisothiazolinone	2682-20-4	0.01% Can be only used in rinse-off products. Not to be used in products that come in contact with mucous membranes.
37	Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate	Methylchloroisothiazolinone and Methylisothiazolinone	55965-84-9, 26172-55-4, 2682-20-4	0.0015% (The ratio of 5-chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one mixed is 3: 1) Can be only used in rinse-off products.
38	Biphenyl-2-ol, and its salts	o-Phenylphenol/ Sodium o-phenylphenate/ MEA o-phenylphenate/ Potassium o-phenylphenate	90-43-7/ 132-27-4/ 84145-04-0/ 13707-65-8	0.2% (calc. as phenol)
39	Parahydroxybenzoic acid and its salts and ester	Butylparaben/ Propylparaben/ Sodium propylparaben/ Sodium butylparaben/ Potassium butylparaben/ Potassium propylparaben	94-26-8/ 94-13-3/ 35285-69-9/ 36457-20-2/ 38566-94-8/ 84930-16-5	0.14% (calc. as acid) (for the sum of the individual concentrations) Not to be used in leave-on products designed for application on the diaper area of children under three years of age. Precautions: Not to be used in leave-on products designed for application on the diaper area of children under three years of age.
		Methylparaben/ Ethylparaben/	99-76-3/ 120-47-8/	(a) 0.4% (calc. as acid, for single ester)

		4-Hydroxybenzoic acid/ Potassium ethylparaben/ Potassium paraben/ Sodium methylparaben/ Sodium ethylparaben/ Sodium paraben/ Potassium methylparaben/ Calcium paraben	99-96-7/ 36457-19-9/ 16782-08-4/ 5026-62-0/ 35285-68-8/ 114-63-6/ 26112-07-2/ 69959-44-0	(b) 0.8% (calc. as acid, for mixtures of esters) Not to be used in leave-on products designed for application on the diaper area of children under three years of age. Precautions: Not to be used in leave-on products designed for application on the diaper area of children under three years of age.
40	3-(p-chlorophenoxy)-propane-1,2-diol	Chlorphenesin	104-29-0	0.3%
41	Thiazolium, 3-heptyl-4-methyl-2- [2-(4-dimethylaminophenyl) ethenyl]-, iodide	Dimethylaminostyryl heptyl methyl thiazolium iodide	-	0.0015% Not to be used in products that come in contact with mucous membranes.
42	Phenol	Phenol	108-95-2	0.1%
43	2-Phenoxyethanol	Phenoxyethanol	122-99-6	1%
44	1-Phenoxypropan-2-ol	Phenoxyisopropanol	770-35-4	1% Can be only used in rinse-off products.
45	Phenylmercuric salts (including borate)	Phenyl mercuric acetate/Phenyl mercuric benzoate	62-38-4/94-43-9	Eye products, limit: 0.007% (calc. as Hg) Precautions: Containing phenylmercuric compounds.
46	Photosensitizing dyes	Platonin	3571-88-8	0.001%
		Quaternium-73	15763-48-1	0.005%
		Quaternium-51	1463-95-2	0.005%
		Quaternium-45	21034-17-3	0.004%
47	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2 pyridon and its monoethanolamine salt	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2 pyridon, Piroctone olamine	50650-76-5/ 68890-66-4	(a) When used in rinse-off products, limit: 1% (b) When used in other products, limit: 0.5%
48	Poly(methylene),.alpha.,.omega.-bis[[(aminoiminomethyl) amino]iminomethyl]amino]-, dihydrochloride	Polyaminopropyl biguanide	32289-58-0/ 133029-32-0/ 28757-47-3/ 27083-27-8	0.3%
49	Resorcinol	Resorcinol	108-46-3	0.1%

50	Propionic acid and its salts (Methylacetic acid)	Propionic acid/ Sodium propionate/ Ammonium propionate/ Calcium propionate/ Magnesium propionate/ Potassium propionate	79-09-4/ 137-40-6/ 17496-08-1/ 4075-81-4/ 557-27-7/ 327-62-8	2% (calc. as acid)
51	Salicylates	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% (calc. as acid) Not to be used for children under three years of age, with the exception of hair cleansing products. Precautions: Not to be used for children under three years of age.
		Titanium salicylate	-	1%
52	Salicylic acid	Salicylic acid	69-72-7	0.2% Not to be used for children under three years of age, with the exception of hair cleansing products. Precautions: Not to be used for children under three years of age.
53	Silver Chloride deposited on titanium dioxide	Silver chloride	7783-90-6	0.004% (calc. as AgCl) (20% AgCl (w/w) on TiO ₂ is not allowed to use for children under three years of age, or in oral, lip, or eye preparations.)
54	Sorbic acid (hexa-2,4-dienoic acid) and its salts	Sorbic acid/ Potassium sorbate/ Calcium sorbate/ Sodium sorbate	110-44-1/ 24634-61-5/ 7492-55-9/ 7757-81-5	0.6% (calc. as acid)
55	Thianthol	Thianthol	135-58-0	0.8%
56	Thiomersal	Thimerosal	54-64-8	Eye products, limit: 0.007% (total) (calc. as Hg) Precautions: Containing thiomersal.
57	5-Chloro-2-(2,4-dichlorophen oxy) phenol	Triclosan	3380-34-5	0.3% Can be only used in hand washes, soap/body washes, deodorants (non-aerosol), powder cake, foundation, or products used to clean nails prior

				to use of artificial nails.	
58	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea	Triclocarban	101-20-2 1322-40-3	0.2%	
59	Undecylenic acid and its salts (Undecenoic acid)	Undecylenic acid/Potassium undecylenate/Calcium undecylenate/Sodium undecylenate/Mea-undecylenate/Tea-undecylenate	112-38-9/61 59-41-7/132 2-14-1/3398 -33-2/56532 -40-2/84471 -25-0	0.2% (calc. as acid)	
60	Pyrithione zinc	Zinc pyrithione	13463-41-7	(a) When used in rinse-off products for hair cleansing, limit: 1% (b) When used in other products (with the exception of oral preparations), limit:0.5%	
61	Phenylmethoxymethanol	Benzylhemiformal	14548-60-8	0.15% Can be only used in rinse-off products.	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm.
62	5-Bromo-5-nitro-1,3-dioxane	5-Bromo-5-nitro-1,3-dioxane	30007-47-7	0.1% Can be only used in rinse-off products; avoid the formation of nitrosamines.	
63	Bronopol	2-Bromo-2-nitropropane-1,3-diol	52-51-7	0.1% Avoid the formation of nitrosamines.	
64	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	DMDM hydantoin	6440-58-0	0.6%	
65	N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	Diazolidinyl urea	78491-02-8	0.5%	
66	N,N''-Methylenebis[N'-(3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl)urea]	Imidazolidinyl urea	39236-46-9	0.6%	
67	Methenamine (Hexamethylenetetramine)	Methenamine	100-97-0	0.15%	

68	Methenamine 3-chloroallylochloride	Quaternium 15	4080-31-3	0.2%	
69	Sodium hydroxymethylamino acetate	Sodium hydroxymethylglyci nate	70161-44-3	0.5%	

Note: Regarding preservatives not listed within this table, if a jurisdiction such as the European Union, the United States or Japan has already announced permission of use and have applicable regulations, the preservative can also be used in accordance to respective standards. If there's a difference between the above jurisdictions, the safest limitation should be applied.