

## List of Preservatives in Cosmetic Products

*This rule has been translated into English according to the original Chinese version. If there is any inconsistency or ambiguity between these two versions, the Chinese version shall prevail.*

No.	Chemical name	INCI name	CAS No.	Product type/Limit for the use	Maximum concentration	Restriction	Precautions (The precautions to be labeled as specified shall be provided in Chinese)
1	Alkyl (C12-22) trimethyl ammonium bromide and chloride	Behentrimonium chloride <sup>(1)</sup> / Cetrimonium bromide/ Cetrimonium chloride <sup>(1)</sup> / Laurrimonium bromide/ Laurrimonium chloroide/ Stearrimonium bromide/ Stearrimonium chloride <sup>(1)</sup>	17301-53-0/ 57-09-0/ 112-02-7/ 1119-94-4/ 112-00-5/ 1120-02-1/ 112-03-8		0.1%		
2	Benzalkonium chloride, bromide and saccharinate <sup>(1)</sup>	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% (as benzalkonium chloride)		Avoid contact with eyes
3	Benzenemethanaminium, N,N-dimethyl-N-[2-[2-[4-(1,1,3,3,-tetramethylbutyl)phenoxy]ethoxy] ethyl]-, chloride	Benzethonium chloride	121-54-0	(a)Rinse off products (b)Leave on products other than oral products	0.1%		
4	Salts of benzoic acid and esters of benzoic acid	Ammonium benzoate/ Butyl benzoate/ Calcium benzoate/ Ethyl benzoate/ Isobutyl benzoate/ Isopropyl benzoate/ Magnesium benzoate/ MEA-benzoate/ Methyl benzoate/ Phenyl benzoate/ Potassium benzoate/ Propyl 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/ 1205-50-3/ 939-48-0/ 93-99-2/		0.5% (as acid)		

5	Benzoic acid and its sodium salt	Benzoic acid/ Sodium benzoate	65-85-0/ 532-32-1	(a)Rinse off products other than oral products (b)Leave on products (c)Oral products	(a)2.5% (as acid) (b)0.5% (as acid) (c)1.7% (as acid)		
6	Benzyl alcohol	Benzyl alcohol	100-51-6		1%		
7	2-Benzyl-4-chlorophenol	Chlorophene	120-32-1		0.2%		
8	Tosylchloramide sodium	Chloramine T	127-65-1		0.2%		
9	N,N'-bis(4-chlorophenyl)-3,1 2-diimino-2,4,11,13-tetraazat- etradecanediamidine and its digluconate, diacetate and dihydrochloride	Chlorhexidine/ Chlorhexidine digluconate/ Chlorhexidine dihydrochloride/ Chlorhexidine diacetate	55-56-1/ 18472-51-0/ 3697-42-5 56-95-1/		0.3% (as chlorhexidine)		
10	Chlorobutanol	Chlorobutanol	57-15-8		0.5%	Not to be used in aerosol products	Contains Chlorobutanol
11	Chlorocresol	p-Chloro-m-cresol	59-50-7		0.2%	Not to be used in products applied on mucous mem- branes	
12	Chloroxylenol	Chloroxylenol	88-04-0/ 1321-23-9		0.5%		
13	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohy- drate and 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, silver(1+) salt, monohydrate	Citric acid (and) Silver citrate	-		0.2% (Corresponding to 0.0024% of silver)	Not to be used in oral products and eye products	
14	1-(4-Chlorophenoxy)-1-(imi- dazol-1-yl)-3,3-dimethylbutan- -2-one	Climbazole	38083-17-9		0.5%		
15	3-Acetyl-6-methylpyran-2,4 (3H)-dione and its salts	Dehydroacetic acid/ Sodium dehydroacetate	520-45-6/ 16807-48-0/ 4418-26-2		0.6% (as acid)	Not to be used in aerosol products	
16	4,4-Dimethyl-1,3-oxazolidine	Dimethyl oxazolidine	51200-87-4		0.1%	pH>6	
17	2,2'-Methylenebis(6-bromo-4- chlorophenol)	Bromochlorophene	15435-29-7		0.1%		
18	3,3'-Dibromo-4,4'-hexameth- ylene dioxydibenzamidine and its salts (including isethionate)	Dibromohexamidine isethio- nate	93856-83-8		0.1%		

19	2,4-Dichlorobenzyl alcohol	Dichlorobenzyl alcohol	1777-82-8		0.15%		
20	Ethyl-N-alpha-dodecanoyl-L-arginate hydrochloride <sup>(1)</sup>	Ethyl lauroyl arginate HCl	60372-77-2	(a)Mouthwashes  (b)Other products	(a)0.15%  (b)0.4%	(a)Not to be used in preparations for children under 10 years of age (b)Not to be used in lip, oral products (other than mouthwashes), and spray products.	(a)Not to be used for children under 10 years of age.
21	5-Ethyl-3,7-dioxo-1-azabicyclo [3.3.0] octane	7-Ethylbicyclooxazolidine	7747-35-5		0.3%	Not to be used in oral products and in products applied on mucous membranes	
22	Formic acid and its sodium salt	Formic acid/ Sodium formate	64-18-6/ 141-53-7		0.5% (as acid)		
23	Glutaraldehyde (Pentane-1,5-dial)	Glutaral	111-30-8		0.1%	Not to be used in spray products	If the concentration exceeds 0.05%: Contains glutaral
24	Benzenecarboximidamide, 4,4'-(1,6-hexanediylbis (oxy))bis- and its salts (including isethionate and p-hydroxybenzoate)	Hexamidine/ Hexamidine diisethionate/ Hexamidine paraben	3811-75-4/ 659-40-5/ 93841-83-9		0.1%		
25	5-Pyrimidinamine, 1,3-bis (2-ethylhexyl) hexahydro-5-methyl	Hexetidine	141-94-6		0.1%		
26	Inorganic sulphites and hydrogensulphites <sup>(1)</sup>	Sodium sulfite <sup>(3)</sup> / Sodium bisulfite/ Sodium metabisulfite/ Potassium sulfite/ Potassium metabisulfite/ Ammonium sulfite/ Ammonium bisulfite	7757-83-7/ 7631-90-5/ 7681-57-4/ 10117-38-1/ 16731-55-8/ 10196-04-0/ 10192-30-0/ 7773-03-7		0.2% (as free SO <sub>2</sub> )		

27	3-Iodo-2-propynylbutylcarbamate (2)	Iodopropynyl butylcarbamate	55406-53-6	(a) Rinse off products  (b) Leave on products  (c) Deodorants and anti-perspirants	(a) 0.02%  (b) 0.01%  (c) 0.0075%	Not to be used in oral and lip products (a) Not to be used in products for children under 3 years of age, except in bath products/ shower gels and shampoo (b) Not to be used in body lotion and body cream (b)&(c) Not to be used in products for children under 3 years of age	(a) Precautions (other than bath products and shampoo): Not to be used for children under 3 years of age.  (b)&(c): Not to be used in products for children under 3 years of age.
28	4-Isopropyl-m-cresol	o-Cymen-5-ol	3228-02-2		0.1%		
29	2-Methyl-2H-isothiazol-3-one	Methylisothiazolinone	2682-20-4	Rinse off products	0.0015%		
30	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	Rinse off products	0.0015%	Mixture in the ratio 3:1 of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one	
31	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% (as phenol)		
32	Butyl 4-hydroxybenzoate and its salts Propyl 4-hydroxybenzoate and its salts(2)	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		(a) 0.14% (as acid) , for the sum of the individual concentrations (b) 0.8% (as acid) , for mixtures of No.32 and 33, where the sum of the individual concentrations of butylparaben and propylparaben and their salts does not exceed 0.14 %	Not to be used in leave-on products for application on the nappy area of children under 3 years of age.	Precautions for leave-on products: Not to be used in leave-on products for application on the nappy area of children under 3 years of age.

33	4-Hydroxybenzoic acid and its Methyl- and Ethyl- esters, and their salts	Methylparaben/ Ethylparaben/ 4-Hydroxybenzoic acid/ Potassium ethylparaben/ Potassium paraben/ Sodium methylparaben/ Sodium ethylparaben/ Sodium paraben/ Potassium methylparaben/ Calcium paraben	99-76-3/ 120-47-8/ 99-96-7/ 36457-19-9/ 16782-08-4/ 5026-62-0/ 35285-68-8/ 114-63-6/ 26112-07-2/ 69959-44-0		(a)0.4% (as acid) , single ester (b)0.8% (as acid) , mixtures of esters		
34	3-(p-chlorophenoxy)-propane-1,2-diol	Chlorphenesin	104-29-0		0.3%		
35	2-Phenoxyethanol	Phenoxyethanol	122-99-6		1%		
36	1-Phenoxypropan-2-ol <sup>(1)</sup>	Phenoxyisopropanol	770-35-4	Rinse-off products	1%		
37	Phenylmercuric salts (including borate)	Phenyl mercuric acetate/ Phenyl mercuric benzoate	62-38-4/ 94-43-9	Eye products	0.007% (as Hg)	When mixed with other mercurial compounds authorised by Regulation, the maximum concentration of Hg remains fixed at 0.007%	Contains Phenylmercuric compounds
38	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)Rinse-off products (b)Other products	(a)1% (b)0.5%		
39	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%		
40	Propionic acid and its salts	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% (as acid)		

41	Salicylic acid and its salts	Salicylic acid <sup>(3)</sup> / Calcium salicylate/ Magnesium salicylate/ MEA-salicylate/ Sodium salicylate/ Potassium salicylate/ TEA-salicylate	69-72-7/ 824-35-1/ 18917-89-0/ 59866-70-5/ 54-21-7/ 578-36-9/ 2174-16-5		0.5% (as acid)	Not to be used in products for children under 3 years of age, except for shampoos	Precautions (other than shampoos): Not to be used for children under 3 years of age.
42	Silver Chloride deposited on titanium dioxide	Silver chloride	7783-90-6		0.004% (as AgCl)	20% AgCl (w/w) on TiO <sub>2</sub> ; Not to be used in products for children under 3 years of age, in oral products and in eye and lip products	
43	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% (as acid)		
44	Thiomersal	Thimerosal	54-64-8	Eye products	0.007% (as Hg)	When mixed with other mercurial compounds authorised by Regulation, the maximum concentration of Hg remains fixed at 0.007%	Contains Thiomersal
45	5-Chloro-2- (2,4- dichloro-phenoxy) phenol	Triclosan	3380-34-5	(a)Toothpastes, Hand soaps, Body soaps/ Shower gels, Deodorants (other than spray products), Face powders, Foundation, Nail products for cleaning the finger-nails and toenails before the application of artificial nail systems (b)Mouthwashes	(a)0.3%  (b)0.2%		
46	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl) urea <sup>(3)</sup>	Triclocarban	101-20-2		0.2%	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene <1 ppm; 3,3',4,4'-Tetrachloroazoxybenzene <1 ppm	

47	Undec-10-enoic acid and its salts	Undecylenic acid/ Potassium undecylenate/ Calcium undecylenate/ Sodium undecylenate/ MEA-undecylenate/ TEA-undecylenate	112-38-9/ 6159-41-7/ 1322-14-1/ 3398-33-2/ 56532-40-2/8 4471-25-0		0.2% (as acid)		
48	Pyrithione zinc <sup>(1)</sup>	Zinc pyrithione	13463-41-7	(a)Hair products (b)Other products	(a)1% (b)0.5%	Only rinse-off products; Not to be used in oral products	
49	5-Bromo-5-nitro-1,3-dioxane	5-Bromo-5-nitro-1,3-dioxane	30007-47-7	Rinse-off products	0.1%	Avoid formation of nitrosamines; When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm	
50	Bronopol	2-Bromo-2-nitropropane-1,3-diol	52-51-7		0.1%	Avoid formation of nitrosamines; When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm	
51	Methanol, (phenylmethoxy-)	Benzylhemiformal	14548-60-8	Rinse-off products	0.15%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm	
52	1,3-Bis (hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	DMDM hydantoin	6440-58-0		0.6%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm	

53	N-(Hydroxymethyl)-N- (di-hydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	Diazolidinyl urea	78491-02-8		0.5%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm
54	N,N"-methylenebis[N'-[3-(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl]urea]	Imidazolidinyl urea	39236-46-9		0.6%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm
55	Methenamine	Methenamine	100-97-0		0.15%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm
56	Methenamine 3-chloroallylochloride	Quaternium-15	4080-31-3		0.2%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm
57	Sodium hydroxymethylamino acetate	Sodium hydroxymethyl-glycinate	70161-44-3		0.5%	When used as preservatives in cosmetic products, the total amount of released free formaldehyde should not exceed 1000 ppm

- (1) For use other than as a preservative, see “List of Ingredients Restricted in Cosmetic Products”
- (2) If the product is indeed not involved in the use of children under the age of three, the business may determine whether it is necessary to print the precautions based on the attributes of the product. However, if the product endangers consumers’ bodies and health because of not printing the precautions, the business shall assume related responsibility for its own.
- (3) For use other than as a preservative, see “List of Specific Purpose Ingredients in Cosmetic”
- ※ 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.
- ※ The “oral products” in the list means non-pharmaceutical toothpaste and mouthwash, and teeth whitening products.