

**LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS**

Reference number	Substance identification			Conditions			Wording of conditions of use and warnings
	Chemical name / INN	Name of Common Ingredients Glossary	CAS Number	Product Type, body parts	Maximum concentration in ready for use preparation	Other	
1	a) Benzoic acid and its sodium salt	Benzoic Acid; Sodium Benzoate	65-85-0 / 532-32-1	a) Rinse-off products, except oral care products b) Oral care products c) Leave-on products	a) 2.5% (acid) b) 1.7% (acid) c) 0.5% (acid)		
	b) Salts of benzoic acid other than that listed 1 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% (acid)		
2	Propionic acid and its salts	Propionic Acid / 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% (acid)		
3	Salicylic acid (1) and its salts	Salicylic Acid / 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% (acid)	Not to be used in products for children under 3 years of age, except for shampoos	Not to be used for children under 3 years of age (2)
4	Hexa-2,4-dienoic acid and its salts	Sorbic Acid / Calcium Sorbate / Sodium Sorbate / Potassium Sorbate	110-44-1 / 7492-55-9 / 7757-81-5 / 24634-61-5		0.6% (acid)		
5	Formaldehyde[1]; paraformaldehyde [2]	Formaldehyde / Paraformaldehyde	50-00-0 [1] / 30525-89-4 [2]	a) Oral products b) Other products	a) 0.1% (free formaldehyde) b) 0.2% (free formaldehyde)	Not to be used in aerosol dispensers (sprays)	
6	Biphenyl-2-ol, and its salts	O-Phenylphenol / Mea O-Phenylphenate / Potassium O-Phenylphenate / Sodium O-Phenylphenate	90-43-7 / 132-27-4 / 13707-65-8 / 84145-04-0		0.2% (as the phenol)		
7	Pyrithione zinc	Zinc Pyrithione	13463-41-7	a) Hair products b) Other products	a) 1.0% b) 0.5%	a) Only in rinse-off products b) Not to be used in oral products	
8	Inorganic sulphites and hydrogensulphites (5)	Sodium Sulfite / Ammonium Bisulfite / Ammonium Sulfite / Potassium Sulfite / Potassium Hydrogen Sulfite / Sodium Bisulfite / Sodium Metabisulfite / Potassium Metabisulfite	7757-83-7 / 10192-30-0 / 10196-04-0 / 10117-38-1 / 7773-03-7 / 7631-90-5 / 7681-57-4 / 16731-55-8		0.2% (as free SO <sub>2</sub> )		
9	Chlorobutanol	Chlorobutanol	57-15-8		0.50%	Not to be used in aerosol dispensers (sprays)	Contains Chlorobutanol

10	Butyl 4-hydroxybenzoate and its salts Propyl 4-hydroxybenzoate and its salts	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% (as acid) for the sum of the individual concentrations - 0,8% (as acid) for mixtures of substances mentioned in entry 12 and 12a, here the sum of the individual concentrations of butyl and propylparaben and their salts does not exceed 0,14%	Not to be used in leave-on products designed for application on the nappy area of children under three years of age.	For leave-on products designed for children under three years of age: "Do not use on the nappy area"
11	4-Hydroxybenzoic acid and its salts and esters, other than the esters of isopropyl, isobutyl, phenyl, benzyl and pentyl	4-Hydroxybenzoic Acid / Methylparaben /Potassium Ethylparaben /Potassium Paraben /Sodium Methylparaben /Sodium Ethylparaben /Sodium Paraben / Potassium Methylparaben / Calcium Paraben	99-96-7 /99-76-3 /36457-19-9 /16782-08-4 /5026-62-0 /35285-68-8 /120-47-8 /114-63-6 /26112-0-2 /69959-44-0		0,4% (as acid) for single ester 0,8% (as acid) for mixtures of esters		
12	3-Acetyl-6-methylpyran-2,4(3H)-dione and its salts	Dehydroacetic Acid / Sodium Dehydroacetate	520-45-6 / 4418-26-2 / 16807-48-0		0.6% (as acid)	Not to be used in aerosol dispensers (sprays)	
13	Formic acid and its sodium salt	Formic Acid / Sodium Formate	64-18-6 / 141-53-7		0.5% (as acid)		
14	3,3'-Dibromo-4,4'-hexamethylenedioxydibenzamide and its salts (including isethionate)	Dibromohexamidine Isethionate	93856-83-8		0.10%		
15	Thiomersal	Thimerosal	54-64-8	Eye products	0.007% (of Hg) If mixed with other mercurial compounds authorized by this Regulation, the maximum concentration of Hg remains fixed at 0.007%		Contains Thiomersal
16	Phenylmercuric salts (including borate)	Phenyl Mercuric Acetate / Phenyl Mercuric Benzoate	62-38-4 / 94-43-9	Eye products	0.007% (of Hg) If mixed with other mercurial compounds authorized by this Directive, the maximum concentration of Hg remains fixed at 0.007%		Contains Phenylmercuric compounds
17	Undec-10-enoic acid and its salts	Undecylenic Acid / Potassium Undecylenate / Sodium Undecylenate / Calcium Undecylenate / Mea-Undecylenate / Tea-Undecylenate	112-38-9 / 6159-41-7 / 3398-33-2 / 1322-14-1 / 84471-25-0 / 56532-40-2		0.2% (as acid)		
18	5-Pyrimidinamine, 1,3-bis(2-ethylhexyl)hexahydro-5-methyl-	Hexetidine	141-94-6		0.10%		
19	5-Bromo-5-nitro-1,3-dioxane	5-Bromo-5-Nitro-1,3-Dioxane	30007-47-7	Rinse-off products	0.10%	Avoid formation of nitrosamines	
20	Bronopol	2-Bromo-2-Nitropropane-1,3-Diol	52-51-7		0.10%	Avoid formation of nitrosamines	
21	2,4-Dichlorobenzyl alcohol	Dichlorobenzyl Alcohol	1777-82-8		0.15%		
22	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea (6)	Triclocarban	101-20-2		0.20%	Purity criteria: 3, 3', 4, 4'-Tetrachloroazobenzene	
23	Chlorocresol	P-Chloro-M-Cresol	59-50-7	Not to be used in products applied on mucous membranes	0.20%		

24	5-Chloro-2-(2,4-dichlorophenoxy)phenol	Triclosan	3380-34-5	(a) Toothpastes, hand soaps, Body soaps/Shower gels, Deodorants (non-spray), Face powders and blemish concealers. Nail products for cleaning the fingernails and toenails before the application of artificial nail systems. (b) Mouthwashes	(a) 0.3% (b) 0,2%	
25	Chloroxylenol	Chloroxylenol	88-04-0 / 1321-23-9		0.50%	
26	N,N'-Methylenebis[N-[3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl]urea]	Imidazolidinyl Urea	39236-46-9		0.60%	
27	Poly[hexamethylenebiguanide] hydrochloride [1];poly(iminoimidocarbonyl)iminohexamethylene hydrochloride [2];Poly(iminocarbonimidoyl iminocarbonimidoylimino-1,6-hexanediyl) [3];- [4]	Polyaminopropyl Biguanide	32289-58-0 [1]/27083-27-8 [2]/28757-47-3 [3]/133029-32-0 [4]		0.30%	
28	2-Phenoxyethanol	Phenoxyethanol	122-99-6		1.00%	
29	Methenamine	Methenamine	100-97-0		0.15%	
30	Methenamine 3-chloroallylochloride	Quaternium-15	4080-31-3		0.20%	
31	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one	Climbazole	38083-17-9		0.50%	
32	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	Dmdm Hydantoin	6440-58-0		0.60%	
33	Benzyl alcohol (7)	Benzyl Alcohol	100-51-6		1.00%	
34	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) 1.0% b) 0.5%	
35	2,2'-Methylenebis(6-bromo-4-chlorophenol)	Bromochlorophene	15435-29-7		0.10%	
36	4-Isopropyl-m-cresol	O-Cymen-5-Ol	2/2/3228		0.10%	
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	26172-55-4, 2682-20-4, 55965-84-9		0.0015% (of a mixture in the ratio 3:1 of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one	
38	2-Benzyl-4-chlorophenol	Chlorophene	120-32-1		0.20%	
39	2-Chloroacetamide	Chloroacetamide	79-07-2		0.30%	Contains chloroacetamide
40	N,N'-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine and its digluconate, diacetate and dihydrochloride	Chlorhexidine / Chlorhexidine Diacetate / Chlorhexidine Digluconate / Chlorhexidine Dihydrochloride	55-56-1 / 56-95-1 / 18472-51-0 / 3697-42-5		0.3% (as chlorhexidine)	
41	1-Phenoxypropan-2-ol (8)	Phenoxyisopropanol	770-35-4	Only for rinse-off products	1.00%	
42	Alkyl (C12-C22) trimethyl ammonium bromide and chloride	Behentrimonium Chloride (1) / Cetrimonium Bromide / Cetrimonium Chloride (2) / Laurrimonium Bromide / Laurrimonium Chloride / Stearrimonium Bromide / Stearrimonium Chloride (2)	17301-53-0 / 57-09-0 / 112-02-7 / 1119-94-4 / 112-00-5 / 1120-02-1 / 112-03-8		0.10%	

43	4,4-Dimethyl-1,3-oxazolidine	Dimethyl Oxazolidine	51200-87-4		0.10%	pH > 6	
44	N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl)urea	Diazolidinyl Urea	78491-02-8		0.50%		
45	Benzenecarboximidamide, 4,4'-(1,6-hexanediylobis(oxy))bis-, and its salts (including isothionate and p-hydroxybenzoate)	Hexamidine / Hexamidine Diisethionate / Hexamidine Diparaben / Hexamidine Paraben	3811-75-4 / 659-40-5 / 93841-83-9 / -		0.10%		
46	Glutaraldehyde (Pentane-1,5-dial)	Glutaral	111-30-8		0.10%	Not to be used in aerosols (sprays)	Contains glutaral (9)
47	5-Ethyl-3,7-dioxo-1-azabicyclo[3.3.0] octane	7-Ethylbicyclooxazolidine	7747-35-5		0.30%	Not to be used in oral products and in products applied on mucous membranes	
48	3-(p-Chlorophenoxy)-propane-1,2-diol	Chlorphenesin	104-29-0		0.30%		
49	Sodium hydroxymethylamino acetate	Sodium Hydroxymethylglycinate	70161-44-3		0.50%		
50	Silver chloride deposited on titanium dioxide	Silver Chloride	7783-90-6		0.004% (as AgCl)	20% AgCl (w/w) on TiO2. Not to be used in products for	
51	Benzenemethanaminium, N,N-dimethyl-N-[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	0.10%		
52	Benzalkonium chloride, bromide and saccharinate (10)	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)		Avoid contact with eyes
53	Methanol, (phenylmethoxy)-	Benzylhemiformal	14548-60-8	Rinse-off products	0.15%		
54	3-Iodo-2-propynylbutylcarbamate	Iodopropynyl Butylcarbamate	55406-53-6	a) Rinse-off products b) Leave-on products c) Deodorants/antiperspirants	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 shampoos b) Not to be used in body lotion and body cream (13) b) and c) Not to be used in products for children under 3	a) Not to be used for children under three years of age (11) b) and c) Not to be used for children under three years of age (12)
55	2-Methyl-2H-isothiazol-3-one	Methylisothiazolinone	2682-20-4		0,0015 % Rinse-off products		
56	Ethyl Lauroyl Arginate HCl (preservative)		60372-77-2		0,4 %	Not to be used in lip products, oral products and spray products	
57	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% corresponding to 0,0024% of silver	Not to be used in oral products and eye products	