

## Annex V, Last update: 14/09/2017

## LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings	Update date
	Chemical name / INN	Name of Common Ingredients Glossary	CAS Number	EC Number	Product Type, body parts	Maximum concentration in ready for use preparation	Other		
1a	Salts of benzoic acid other than that listed under reference number 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	217-468-9 / 218-235-4 / 209-481-3 / 209-045-2 / 224-387-2 / 202-259-7 / 202-284-3 / 219-020-8 / 205-252-7 / 204-401-3 / 213-361-6 / 202-293-2		0.5% (acid)			16/10/2010
1	Benzoic acid and its sodium salt	BENZOIC ACID; SODIUM BENZOATE	65-85-0 / 532-32-1	200-618-2 / 208-534-8	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)			25/10/2010
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	201-176-3 / 241-503-7 / 223-795-8 / 209-166-0 / 206-323-5 / 205-290-4		2% (acid)			16/10/2010
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	200-712-3 / 212-525-4 / 242-669-3 / 261-963-2 / 200-198-0 / 209-421-6 / 218-531-3		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)	16/10/2010
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	203-768-7 / 231-321-6 / 231-819-3 / 246-376-1		0.6% (acid)			16/10/2010
5	Formaldehyde [1]; paraformaldehyde [2]	FORMALDEHYDE / PARAFORMALDEHYDE	50-00-0 [1] / 30525-89-4 [2]	200-001-8 [1] / 608-494-5 [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)		01/12/2016

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7	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	201-993-5 / 205-055-6 / 237-243-9 / 282-227-7		0.2% (as the phenol)			16/10/2010
8	Pyrithione zinc	ZINC PYRITHIONE	13463-41-7	236-671-3	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		01/12/2016
9	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	231-821-4 / 233-469-7 / 233-484-9 / 233-321-1 / 231-870-1 /231-548-0 / 231-673-0 / 240-795-3		0.2% (as free SO <sub>2</sub> )			16/10/2010
11	Chlorobutanol	CHLOROBUTANOL	57-15-8	200-317-6		0.5%	Not to be used in aerosol dispensers (sprays)	Contains Chlorobutanol	16/10/2010
12 bis	Butyl 4-hydroxybenzoate and its salts Propyl 4-hydroxybenzoate and its salts	BUTYLPARABEN/PROPYLPARABEN/SODIUM PROPOYLPARABEN/SODIUM BUTYLPARABEN/POTASSIUM M BUTYLPARABEN/POTASSIUM M PROPYLPARABEN	94-26-8/ 94-13-3/ 35285-69-9/ 36457-20-2/ 38566-94-8/ 84930-16-5	202-318-7/ 202-307-7/ 252-488-1/ 253-049-7/ 254-009-1/ 284-597-5		- 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"	23/06/2015

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	Chemical name / INN	Name of Common Ingredients Glossary	CAS Number	EC Number	Product Type, body parts	Maximum concentration in ready for use preparation	Other		
12	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 / ETHYLPARABEN / SIDIUM 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	202-804-9 / 202-785-7 / 253-048-1 / 240-830-2 / 225-714-1 / 252-487-6 / 204-399-4 / 204-051-1 / 247-464-2 / 274-235-4		0,4% (as acid) for single ester 0,8% (as acid) for mixtures of esters			23/06/2015
13	3-Acetyl-6-methylpyran-2,4(3H)-dione and its salts	DEHYDROACETIC ACID / SODIUM DEHYDROACETATE	520-45-6 / 4418-26-2 / 16807-48-0	208-293-9 / 224-580-1 / -		0.6% (as acid)	Not to be used in aerosol dispensers (sprays)		16/10/2010
14	Formic acid and its sodium salt	FORMIC ACID / SODIUM FORMATE	64-18-6 / 141-53-7	200-579-1 / 205-488-0		0.5% (as acid)			16/10/2010
15	3,3'-Dibromo-4,4'-hexamethylene dioxidibenzamidine and its salts (including isethionate)	DIBROMOHEXAMIDINE ISETHIONATE	93856-83-8	299-116-4		0.1%			16/10/2010
16	Thiomersal	THIMEROSAL	54-64-8	200-210-4	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	16/10/2010
17	Phenylmercuric salts (including borate)	PHENYL MERCURIC ACETATE / PHENYL MERCURIC BENZOATE	62-38-4 / 94-43-9	200-532-5 / 202-331-8	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	16/10/2010
18	Undec-10-enoic acid and its salts	UNDECYLENIC ACID / POTASSIUM UNDECYLENATE / SODIUM UNDECYLENATE / CALCIUM UNDECYLENATE /	112-38-9 / 6159-41-7 / 3398-33-2 / 1322-14-1 / 84471-25-0 / 56532-40-2	203-965-8 / - / 222-264-8 / 215-331-8 / 282-908-9 / 260-247-7		0.2% (as acid)			16/10/2010

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		MEA-UNDECYLENATE / TEA-UNDECYLENATE							
19	5-Pyrimidinamine, 1,3-bis(2-ethylhexyl)hexahydro-5-methyl-	HEXETIDINE	141-94-6	205-513-5		0.1%			16/10/2010
20	5-Bromo-5-nitro-1,3-dioxane	5-BROMO-5-NITRO-1,3-DIOXANE	30007-47-7	250-001-7	Rinse-off products	0.1%	Avoid formation of nitrosamines		16/10/2010
21	Bronopol	2-BROMO-2-NITROPROPANE-1,3-DIOL	52-51-7	200-143-0		0.1%	Avoid formation of nitrosamines		16/10/2010
22	2,4-Dichlorobenzyl alcohol	DICHLOROBENZYL ALCOHOL	1777-82-8	217-210-5		0.15%			16/10/2010
23	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea (6)	TRICLOCARBAN	101-20-2	202-924-1		0.2%	Purity criteria: 3, 3', 4, 4'-Tetrachloroazobenzene < 1ppm ; 3, 3', 4, 4'-Tetrachloroazoxybenzene < 1ppm		25/10/2010
24	Chlorocresol	P-CHLORO-M-CRESOL	59-50-7	200-431-6	Not to be used in products applied on mucous membranes	0.2%			25/10/2010
25	5-Chloro-2-(2,4-dichlorophenoxy)phenol	TRICLOSAN	3380-34-5	222-182-2	(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%			19/01/2015
26	Chloroxylenol	CHLOROXYLENOL	88-04-0 / 1321-23-9	201-793-8 / 215-316-6		0.5%			16/10/2010
27	N,N''-Methylenebis[N'-(3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl)]urea]	IMIDAZOLIDINYL UREA	39236-46-9	254-372-6		0.6%			25/10/2010

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28	Poly(hexamethylenebiguanide) hydrochloride [1]; poly(iminoimidocarbonyl)imino hexamethylene hydrochloride [2]; Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediy) [3];- [4]	POLYAMINOPROPYL BIGUANIDE	32289-58-0 [1]/27083-27-8 [2]/28757-47-3 [3]/ 133029-32-0 [4]	608-723-9 [1]/608-042-7 [2]/923-111-4[3]/ - [4]		0.3%			15/03/2017
29	2-Phenoxyethanol	PHENOXYETHANOL	122-99-6	204-589-7		1.0%			16/10/2010
30	Methenamine	METHENAMINE	100-97-0	202-905-8		0.15%			16/10/2010
31	Methenamine 3-chloroallylochloride	QUATERNIUM-15	4080-31-3	223-805-0		0.2%			24/11/2016
32	1-(4-Chlorophenoxy)-1-(imidazo[1-1-yl]-3,3-dimethylbutan-2-one	CLIMBAZOLE	38083-17-9	253-775-4		0.5%			16/10/2010
33	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	DMDM HYDANTOIN	6440-58-0	229-222-8		0.6%			16/10/2010
34	Benzyl alcohol (7)	BENZYL ALCOHOL	100-51-6	202-859-9		1.0%			26/07/2013
35	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	- / 272-574-2	a) Rinse-off products b) Other products	a) 1.0% b) 0.5%			16/10/2010
36	Moved or deleted								16/10/2010
37	2,2'-Methylenebis(6-bromo-4-chlorophenol)	BROMOCHLOROPHENE	15435-29-7	239-446-8		0.1%			25/10/2010
38	4-Isopropyl-m-cresol	O-CYMEN-5-OL	3228-02-2	221-761-7		0.1%			16/10/2010
39	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	247-500-7, 220-239-6	Produit à ricer	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			23/06/2015
40	2-Benzyl-4-chlorophenol	CHLOROPHENE	120-32-1	204-385-8		0.2%			16/10/2010
41	2-Chloroacetamide	CHLOROACETAMIDE	79-07-2	201-174-2		0.3%		Contains chloroacetamide	16/10/2010
42	N,N'-bis(4-chlorophenyl)-3,12-dimino-2,4,11,13-tetraazatetradecanediamidine and its digluconate, diacetate and dihydrochloride	CHLORHEXIDINE / CHLORHEXIDINE DIACETATE / CHLORHEXIDINE DIGLUCONATE /	55-56-1 / 56-95-1 / 18472-51-0 / 3697-42-5	200-238-7 / 200-302-4 / 242-354-0 / 223-026-6		0.3% (as chlorhexidine)			16/10/2010

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		CHLORHEXIDINE DIHYDROCHLORIDE							
43	1-Phenoxypropan-2-ol (8)	PHENOXYISOPROPANOL	770-35-4	212-222-7	Only for rinse-off products	1.0%			09/11/2010
44	Alkyl (C12-C22) trimethyl ammonium bromide and chloride	BEHENTRIMONIUM CHLORIDE (1) / CETRIMONIUM BROMIDE / CETRIMONIUM CHLORIDE (2) / LAURTRIMONIUM BROMIDE / LAURTRIMONIUM CHLORIDE / STEARTRIMONIUM BROMIDE / STEARTRIMONIUM CHLORIDE (2)	17301-53-0 / 57-09-0 / 112-02-7 / 1119-94-4 / 112-00-5 / 1120-02-1 / 112-03-8	241-327-0 / 200-311-3 / 203-928-6 / 214-290-3 / 203-927-0 / 214-294-5 / 203-929-1		0.1%			15/01/2015
45	4,4-Dimethyl-1,3-oxazolidine	DIMETHYL OXAZOLIDINE	51200-87-4	257-048-2		0.1%	pH > 6		16/10/2010
46	N-(Hydroxymethyl)-N-(dihydroxymethyl-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl)urea	DIAZOLIDINYL UREA	78491-02-8	278-928-2		0.5%			16/10/2010
47	Benzenecarboximidamide, 4,4'-(1,6-hexanediylobis(oxy))bis-, and its salts (including isothionate and p-hydroxybenzoate)	HEXAMIDINE / HEXAMIDINE DISETHIONATE / HEXAMIDINE DIPARABEN / HEXAMIDINE PARABEN	3811-75-4 / 659-40-5 / 93841-83-9 / -	- / 211-533-5 / 299-055-3 / -		0.1%			25/10/2010
48	Glutaraldehyde (Pentane-1,5-dial)	GLUTARAL	111-30-8	203-856-5		0.1%	Not to be used in aerosols (sprays)	Contains glutaral (9)	25/10/2010
49	5-Ethyl-3,7-dioxo-1-azabicyclo[3.3.0] octane	7-ETHYLBICYCLOOXAZOLIDINE	7747-35-5	231-810-4		0.3%	Not to be used in oral products and in products applied on mucous membranes		16/10/2010
50	3-(p-Chlorophenoxy)-propane-1,2-diol	CHLORPHENESIN	104-29-0	203-192-6		0.3%			16/10/2010
51	Sodium hydroxymethylamino acetate	SODIUM HYDROXYMETHYLGLYCINATE	70161-44-3	274-357-8		0.5%			16/10/2010
52	Silver chloride deposited on titanium dioxide	SILVER CHLORIDE	7783-90-6	232-033-3		0.004% (as AgCl)	20% AgCl (w/w) on TiO2. Not to be used		16/10/2010

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							in products for children under 3 years of age, in oral products and in eye and lip products		
53	Benzenemethanaminium, N,N-dimethyl-N-[2-[2-[4-(1,1,3,3,-tetramethylbutyl)phenoxy]ethoxy]ethyl]-, chloride	BENZETHONIUM CHLORIDE	121-54-0	204-479-9	a) Rinse-off products b) Leave-on products other than oral products	0.1%			16/10/2010
54	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	264-151-6 / 293-522-5 / 273-545-7 / 270-325-2 / 269-919-4 / 263-080-8 / 287-089-1		0.1% (as benzalkonium chloride)		Avoid contact with eyes	16/10/2010
55	Methanol, (phenylmethoxy)-	BENZYLHEMIFORMAL	14548-60-8	238-588-8	Rinse-off products	0.15%			16/10/2010
56	3-Iodo-2-propynylbutylcarbamate	IODOPROPYNYL BUTYLCARBAMATE	55406-53-6	259-627-5	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 years of age	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)	16/10/2010
57	2-Methyl-2H-isothiazol-3-one	METHYLISOTHIAZOLINONE	2682-20-4	220-239-6		0,0015 % Rinse-off products			14/09/2017
58	Ethyl Lauroyl Arginate HCl (preservative)		60372-77-2	434-630-6		0,4 %	Not to be used in lip products, oral products and spray		10/06/2015

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							products		
59	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		460-890-5		0,2% corresponding to 0,0024% of silver	Not to be used in oral products and eye products		15/01/2015

1. For the purposes of this list:

- 'Salts' is taken to mean: salts of the cations sodium, potassium, calcium, magnesium, ammonium and ethanolamines; salts of the anions chloride, bromide, sulphate, acetate.

- 'Esters' is taken to mean: esters of methyl, ethyl, propyl, isopropyl, butyl, isobutyl, phenyl.

2. All finished products containing formaldehyde or substances in this Annex and which release formaldehyde must be labelled with the warning 'contains formaldehyde' where the concentration of formaldehyde in the finished product exceeds 0,05 %