

ANNEX V, Last update: 11/04/2025

LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS

[illegible]

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		
7	Biphenyl-2-ol	O-PHENYLPHENOL	90-43-7	201-993-5	The use of o-phenylphenol as a preservative should be allowed with a maximum concentration of 0,15 % (as phenol) in leave-on and 0,2 % (as phenol) in rinse-off cosmetic products. Contact with eyes should be avoided. The use of sodium o-phenylphenate, potassium o-phenylphenate and MEA o-phenylphenate as preservatives should not be allowed.				28/07/2020
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 SO2)				16/10/2010
10	Moved or deleted								03/10/2016
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 a	Butyl 4-hydroxy-benzoate and its salts Propyl 4-hydroxy-benzoate and its salts	BUTYLPARABEN/PROPYLPARABEN/SODIUM PROPOYLPARABEN/SODIUM BUTYLPARABEN/POTASSIUM BUTYLPARABEN/POTASSIUM 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"		02/08/2021
12	4-Hydroxybenzoic acid and its Methyl- and Ethyl-esters, and their salts	4-HYDROXYBENZOIC ACID / METHYLPARABEN / POTASSIUM ETHYLPARABEN / POTASSIUM PARABEN / SODIUM METHYLPARABEN / SODIUM ETHYLPARABEN / 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	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				11/08/2020
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

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15	3,3'-Dibromo-4,4'-hexamethylenedioxydibenzamidine 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	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	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 / MEA-UNDECYLENATE / TEA-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
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	0.1%	Avoid formation of nitrosamines			02/08/2021
21	Bronopol	2-BROMO-2-NITROPROPANE-1,3-DIOL	52-51-7	200-143-0	0.1%	Avoid formation of nitrosamines			02/08/2021
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	Triclocarban	101-20-2	202-924-1	0,2 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene ≤ 1 ppm 3,3',4,4'-Tetrachloroazoxybenzene ≤ 1 ppm Not to be used in toothpaste intended for children under 6 years of age. Cosmetic products containing that substance that do not comply with the conditions may, provided that they comply with the conditions applicable on 23 April 2024, be placed on the Union market until 31 December 2024 and, if they have already been placed on the market before that date, continue to be made available on the Union market until 31 October 2025.	For toothpaste containing Triclocarban the following labelling is obligatory: 'Not to be used for children under 6 years of age'.		04/04/2024
24	Chlorocresol	P-CHLORO-M-CRESOL	59-50-7	200-431-6	0.2%				25/10/2010

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25	5-Chloro-2-(2,4-dichlorophenoxy)phenol	Triclosan	3380-34-5	222-182-2	0.3%	Not to be used in toothpaste intended for children under 3 years of age. Cosmetic products containing that substance that do not comply with the conditions may, provided that they comply with the conditions applicable on 23 April 2024, be placed on the Union market until 31 December 2024 and, if they have already been placed on the market before that date, continue to be made available on the Union market until 31 October 2025.	For toothpaste containing Triclosan the following labelling is obligatory: 'Not to be used for children under 3 years of age'.		04/04/2024
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-dioxoimidazolidin-4-yl)urea]	IMIDAZOLIDINYL UREA	39236-46-9	254-372-6	0.6%				02/08/2021
28	Polyhexamethylene biguanide hydrochloride	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]	0.1%	Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation			28/07/2020
29	2-Phenoxyethanol	PHENOXYETHANOL	122-99-6	204-589-7	1.0%				28/07/2020
30	Methenamine	METHENAMINE	100-97-0	202-905-8	0.15%				02/08/2021
32	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one	CLIMBAZOLE	38083-17-9	253-775-4	(a) 0,2 % (b) 0,2 % (c) 0,2 % (d) 0.5 %				28/07/2020
33	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	DMDM HYDANTOIN	6440-58-0	229-222-8	0.6%				02/08/2021
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) 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

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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	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				28/09/2022
42	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	200-238-7 / 200-302-4 / 242-354-0 / 223-026-6	0.3% (as chlorhexidine)				16/10/2010
43	1-Phenoxypropan-2-ol (8)	PHENOXYISOPROPANOL	770-35-4	212-222-7	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%				02/08/2021
47	Benzenecarboximidamide, 4,4'-(1,6-hexanediylbis(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 / -	- / 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			02/08/2021
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%	Not to be used if the maximum theoretical concentration of releasable formaldehyde, irrespective of the source, if the mixture as placed on the market is ≥ 0,1 % w/w			04/11/2021
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 in products for children under 3 years of age, in oral products and in eye and lip products			16/10/2010
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	0.1%				16/10/2010

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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	0.15%				02/08/2021
56	3-Iodo-2-propynylbutylcarbamate	IODOPROPYNYL BUTYLCARBAMATE	55406-53-6	259-627-5	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				27/07/2020
58	Ethyl-N-alpha-dodecanoyl-L-arginate hydrochloride		60372-77-2	434-630-6	(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 products, oral products (other than mouthwashes), and spray products	(a) Not to be used for children under 10 years of age		27/07/2020
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	5949-29-1; 77-92-9; 36701-38-9	460-890-5	0,2% corresponding to 0,0024% of silver	Not to be used in oral products and eye products			06/08/2020
60	4-(3-ethoxy-4-hydroxyphenyl)butan-2-one	HYDROXYETHOXY-PHENYL BUTANONE, HEPB	569646-79-3	933-435-8	0.7 %				27/07/2020