#### ANNEX V

# LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS

## Preamble

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.
- [<sup>F1</sup>2. All finished products containing 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 %]

### **Textual Amendments**

F1 Substituted by Commission Regulation (EU) 2019/831 of 22 May 2019 amending Annexes II, III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).

Reference	eSubstan	ce identifi	cation		Conditio	Wording		
number	Chemica name/ INN	l Name of Common Ingredie Glossary	nts	EC number	Product type, Body parts	Maximu concentri in ready for use prepara	ation	of condition of use and warnings
a	b	c	d	e	f	g	h	i
1	Benzoic acid and its sodium salt	Benzoic acid Sodium Benzoate	65-85-0 532-32-1	200-618-2 208-534-8		2,5 % (acid)		
					Oral products	1,7 % (acid)		
					Leave- on products	0,5 % (acid)		
la	Salts of benzoic acid other than that listed under reference number 1 and	benzoate, calcium benzoate, potassium benzoate, magnesiu benzoate, MEA-	2090-05-3 582-25-2, 553-70-8, 4337-66-( 93-58-3, m3-89-0, 2315-68-( 136-60-7,	4217-468-9 3218-235-4 209-481-3 209-045-2 0224-387-2 202-259-7 202-284-3 5219-020-8 205-252-7 204-401-3	4, 3, 2, 2, 7, 3, 3, 7,	0,5 % (acid)		

	esters of benzoic acid	methyl benzoate, ethyl benzoate, propyl benzoate, butyl benzoate, isobutyl benzoate, phenyl benzoate		213-361-6 202-293-2				
2	Propionic acid and its salts	propionat calcium	17496-08 m4075-81-4 e\$57-27-7, 327-62-8, e137-40-6 m e, i e,	201-176-3 - <b>2</b> ,41-503-7 \$223-795-8 209-166-0 206-323-5 205-290-4	2 2 2 2	2 % (acid)		
[ <sup>F2</sup> [ <sup>X1</sup> 3	Salicylic acid <sup>a</sup> and its salts	Salicylic acid	69-72-7	200-712-3		0,5 % (acid)	Not to be used in products for children under 3 years of age. Not to be used in oral products. Not to be used in applicatio that may lead to exposure of the end- user's	Not to be used for children under 3 years of age <sup>1</sup>

							lungs by inhalation	
		magnesiu salicylate MEA- salicylate	18917-89 m59866- 70-5, 54-21-7, 578-36-9, 2174-16-3	200-198-0 209-421-0 218-531-3	3, 2, ), 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]] <sup>b</sup>
4	Hexa-2,4- dienoic acid and its salts	Sorbic acid, calcium sorbate, sodium sorbate, potassium sorbate	7492-55-9 7757-81-9 24634-61	203-768-7 9231-321-6 5231-819-3 - <b>2</b> 46-376-1	5, 3,	0,6 % (acid)		

# F3

F3

6	Moved or	deleted						
[ <sup>F11</sup> 7	Biphenyl- ol <sup>s</sup>	2- Phenylph	90-43-7 enol	201-993-	5(a)	<b>R(in)</b> se- off Products	0,2 % (as phenol)	Avoid contact with eyes
					(b)	L(æ)ve- on products	0,15 % (as phenol)]	
F12	F12	F12	F12	F12	F12	F12	F12	
			•••					
9	sulphites and hydrogen	bisulfite, ammoniu sulfite, potassium	10192-30 n10196-04 10117-38 n7773-03- 7631-90-: 16731-55	7231-821-4 -Q33-469-7 -Q33-484-9 -233-321- 7231-870- 5231-548-0 4231-673-0 -840-795-3	7, 9, 1, 1, 0, 0,	0,2 % (as free SO <sub>2</sub> )		

10	Moved or	sulfite, sodium bisulfite, sodium metabisulfite, potassium metabisulfite				
		ſ	200 217	0.5.0/	NT (	
11	Chlorobu	tæilolorobutænðil 5-8	200-317-6	0,5 %	Not to be used in aerosol dispenser (sprays)	Contains Chlorobutanol s
[ <sup>F13</sup> 12	4- Hydroxyl acid and its Methyl- and Ethyl- esters, and their salts	methylparal66782-08 potassium 5026-62- ethylparab365285-68 potassium 120-47-8 paraben 114-63-6	0225-714-1 -852-487-6 204-399-4 204-051-1 -247-464-2	0,4 % (as acid) for single ester 0,8 % (as acid) for mixtures of esters ]		
[ <sup>F14</sup> 12a	and its salts Propyl 4-	Butylparaben-26-8 epixopayeparaben-3-3 sodium 35285-69 propylparaben-57-20	-854-009-1	0,14 % (as acid) for the sum of the individual concentra 0,8 % (as acid) for mixtures of substance mentioned in entry 12 and 12a, where	application on the nappy area of children sunder	For leave-on products designed for children under nthree years of age: ' Do not use on the nappy area ']

						the sum of the individua concentra of butyl- and propylpar and their salts does not exceed 0,14 %	tions	
13	3- Acetyl-6- methylpy (3H)- dione and its salts	acid,	4418-26-2 16807-48	208-293-9 2224-580-1 -0		0,6 % (as acid)	Not to be used in aerosol dispensers (sprays)	5
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)		
15		4,sethionat ylenedioxy ine	e	<b>8</b> 99-116-4	1	0,1 %		
16	Thiomers	aThimeros	a <b>\$</b> 4-64-8	200-210-4	<sup>1</sup> Eye products	0,007 % (of Hg) If mixed with other mercurial compound authorised by this Regulatio the maximum concentra of Hg remains fixed at 0,007 %	ds 1 n,	Contains Thiomersal

17	Phenylme salts (including borate)	Mercuric	62-38-4, 94-43-9	200-532-5 202-331-8		0,007 % (of Hg) If mixed with other mercurial compound authorised by this Regulatio the maximum concentra of Hg remains fixed at 0,007 %	đ n,	Contains Phenylmercuric compounds
18	Undec-10 enoic acid and its salts	acid, potassium undecyler sodium	6159-41- 13398-33-2 14&22-14- 84471-25 15&532-40 nate, nate,	203-965-8 7222-264-8 2215-331-8 1282-908-9 - <b>Q</b> 60-247-7 -2	8, 8, 9,	0,2 % (as acid)		
19	5- Pyrimidir 1,3- bis (2- ethylhexy hexahydr methyl-	amine, 1)	el41-94-6	205-513-5	5	0,1 %		
20		5- Bromo-5- nitro-1,3- dioxane		- <b>2</b> 50-001-7	Rinse- off products	0,1 %	Avoid formation of nitrosamin	
21	Bronopol	2- Bromo-2- nitropropa diol		200-143-0	)	0,1 %	Avoid formation of nitrosamin	nes
22	2,4- Dichlorot alcohol		etr <i>721</i> 71-82-8	8217-210-5	5	0,15 %		
23	1-(4- Chloroph		ano1-20-2	202-924-1		0,2 %	Purity criteria:	

	(3,4- dichlorop urea <sup>f</sup>	henyl)					<1 ppm 3,3',4,4'-	roazobenzene roazoxybenzene
24	Chlorocro	Chloro- m- Cresol	59-50-7	200-431-6	to be used in products applied on mucuous membran	0,2 % es		
[ <sup>F15</sup> 25	5- Chloro-2 (2,4- dichlorop phenol		3380-34-	5222-182-2	Hand soaps Body soaps/ Shower gels Deodoran (non- spray) Face powders and blemish concealer Nail products for cleaning the fingernail and toenails before the application of artificial nail systems	S		
26	Chloro- xylenol	Chloroxy	l&&D4-0	201-793-8	8	0,5 %		

27	N,N"- Imidazolid <b>39</b> 2B6-46- <b>2</b> 54-372-6 methylene <b>bix</b> aN '-[3- (hydroxymethyl)-2,5- dioxoimidazolidin-4- yl]urea]	0,6 %
[ <sup>F1</sup> 28	Polyhexan Ruhydenie op22899158-608-723-9 biguanide biguanide 27083-27-808-042-7 hydrochloride 28757-47-3, 133029-32-0	0,1 % Not to be used in applications that may lead to exposure of the end- user's lungs by inhalation ]
29	2- Phenoxyethaa@99-6 204-589-7 Phenoxyethanol	1,0 %
30	MethenamMethenamine-97-0 202-905-8	0,15 %
F3		
[ <sup>F16</sup> 32	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hair    0,2 %      lotions    "      "(b)    0,2 %      Face    "      cteams    0,2 %
	one <sup>t</sup> (c)	F@Dt 0,5 % care u products
	(d)	Rinse- off shampoo
33	1,3-Bis DMDM 6440-58-0229-222-8 (hydroxynHdyhda)+6jfa- dimethylimidazolidine-2,4- dione	0,6 %
[ <sup>F4</sup> 34	Benzyl alcohol gBenzyl Alcohol100-51-6202-859-9	1,0 %]
35	1-      1-      50650-76-272-574-2Rinse-        Hydroxy-4Hydroxy-468890-66-4      off        methyl-6-      methyl-6-        (2,4,4-      (2,4,4-        trimethylp <b>enityl</b> thylpentyl)      methyl	

	2- pyridon and its monoetha salt	2- pyridon, Piroctone r@lamine			Other products	0,5 %		
36	Moved or	deleted						
37	2,2'- methylene bromo-4- chlorophe	ebis(6-	d <b>ւՖֆ</b> ՖՖ+ՆՉ	- <b>2</b> 39-446-8	8	0,1 %		
38	4- Isopropyl m-cresol	o- -Cymen-5- ol		2221-761-	7	0,1 %		
[ <sup>F17</sup> 39	methyl- isothiazol one and 2-	(and) Methylisc	1 <b>552651</b> 184	1,220-239-0		0,0015 % (of a mixture in the ratio 3:1 of 5- chloro-2- methyliso 3(2H)- one and 2- methyliso (2H)- one) ]	thiazol	
F3								
F3	_							
42	diimino-2 tetraazate and its	Chlorhexi n <b>Jilac&amp;thle</b> , <b>C,hllo,ilBexi th<b>3dgkmmd</b> Chlorhexi t<b>Đ</b>ihydroc</b>	din@7-42-: itemidine dine	-0,42-354-0	4, 0,	0,3 % (as chlorhexid	dine)	
43	1- Phenoxyp ol <sup>h</sup>		ၭ൪҄ӯ҄҄Ҧ <del>҇</del> ӯҔ <del>҄</del> ѧ҄ <del>ӈ</del> Ѻ	212-222-	Only for rinse-off products	1,0 %		
[ <sup>F18</sup> [ <sup>X2</sup> 44	Alkyl (C 12-22) trimethyl	Behentrin chloride °,	ո <b>ծ<b>೫ՅՕԴ</b>-53</b>	-0,41-327-0	0,	0,1 %		

	ammoniu bromide and chloride	bromide, cetrimoni chloride <sup>P</sup> , laurtrimon bromide, laurtrimon chloride, steartrimon bromide,	uthi2-02-7, nilutt9-94-4 nilut2-00-5, ntill2t0-02-1	200-311-3, 203-928-6, 4214-290-3, 203-927-0, 214-294-5, 203-929-1]]				
45	4,4- Dimethyl- oxazolidir	Qxazolidi		- <b>2</b> 57-048-2	(	0,1 %	pH > 6	
46	N- (Hydroxy N- (dihydrox dioxo-2,5- imidazolic N'- (hydroxyr urea	nhentenyl)- ymethyl-1 - dinyl-4)-	-	- <b>8</b> 78-928-2		0,5 %		
47	4,4'-	Hexamidi diisethion Wexamidi paraben	nce59-40-5, a983,841-83	1211-533-5, 299-055-3 -9		0,1 %		
48	Glutaralde (Pentane- dial)		111-30-8	203-856-5	(	0,1 %	Not to be used in aerosols (sprays)	Contains glutaral <sup>i</sup>
49	5- Ethyl-3,7- dioxa-1- azabicyclo			5231-810-4 dine		0,3 %	Not to be used in oral products and in	

50	[3.3.0] octane 3-(p- Chlorophe propane-1 diol	enoxy)-	n <b>etSi4-</b> 29-0	203-192-0	5	0,3 %	products applied on mucous membranes	
51	Sodium	Sodium ı <b>ðflyylkarný</b> n	70161-44 nethylglyc	- <b>2</b> 74-357-8 inate	3	0,5 %	$\begin{bmatrix} F^{19} \text{Not} \\ \text{to be} \\ \text{used} \\ \text{if the} \\ \text{maximum} \\ \text{theoretical} \\ \text{concentration} \\ \text{of} \\ \text{releasable} \\ \text{formaldehyde,} \\ \text{irrespective} \\ \text{of the} \\ \text{source,} \\ \text{in the} \\ \text{mixture} \\ \text{as} \\ \text{placed} \\ \text{on the} \\ \text{market} \\ \text{is} \geq 0,1 \\ \% \text{ w/w} \end{bmatrix}$	
52	Silver chloride deposited on titanium dioxide	Silver chloride	7783-90-0	5232-033-3	3	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	

53	N,N- dimethyl- N-[2- [2-[4- (1,1,3,3,-	Chloride		204-479-9 pxy]	9(a) (b)	Rins&6 off products Leave- on products other than oral products			
54	chloride, bromide and saccharin	chloride, benzalkor bromide, abenzalkor saccharina	63449-41 1911080-29 68989-01 168424-85 a68391-01 61789-71 85409-22		5, 7, 2, 4, 8, 1	0,1 % (as benzalkor chloride)	iium	Avoid contact with eyes	_
55	Methanol (phenylm		n1i4648a00	- <b>8</b> 38-588-8	Rinse- off products	0,15 %			
56	3- Iodo-2- propynyll	Iodopropy butylcarba	amate	-859-627-:	5(a) (b) (c)	0(ff)	0,002t % 0,000751% and lip products (a)	(a) Not to be used in products fots) and children under 3 years of age, except in bath products/ shower gels and shampoo Not to be used	Not to be used for children under 3 years of age <sup>k</sup> Not to be used for children under 3 years of age <sup>l</sup>

							(b) and (c)	in body lotion and body cream <sup>m</sup> Not to be used in products for children under 3 years of age	
[ <sup>F8</sup> 57	2- Methyl-21 isothiazol one	H- -3-	1 <b>26&amp;2</b> 3100		off products	0,0015 % ]			_
[ <sup>F5</sup> [ <sup>F20</sup> 58	Ethyl- N-alpha- dodecano L- arginate hydrochlo	HCl	60372-77	- <b>2</b> 34-630-	6 (a)	<b>N(ko)</b> uthwas	Bijestsjö %	Not to be used in preparation for children under 10 years of age	Not to be used for or shildren under 10 years of age
					(b)	Qth)er products	Q( <b>b</b> )%	Not to be used in lip products, oral products (other than mouthwas and	shes),

									spray products]]	
[ <sup>F6</sup>	[ <sup>x2</sup> 59	acid, 2- hydroxy-, monohyd and 1,2,3-	r <b>æiæ</b> rate icarboxylio		460-890-:	5	0,2 %, correspont to 0,0024 % of silver	in oral		
[ <sup>F2</sup>	<sup>1</sup> 60		Hydroxye Butanone henyl)buta	51	99 <b>13</b> 3-435-8	3	0,7 % ]			
a	[ <sup>F2</sup> [ <sup>X1</sup> F0	or uses other th	an preservative	e, see Annex II	I, No 98.]]					
b	Solely skin.	for products wl	hich might be u	used for childre	en under 3 yea	rs of age and w	which remain in	n prolonged co	ontact with the	
c	[ <sup>F3</sup> For u	use other than a	is a preservativ	e, see Annex I	II, No. 13.]					
d	For use	other than as a	a preservative,	see Annex III.	No. 101.					
e	For use	other than as a	a preservative,	see Annex III,	No. 99.					
f	For use other than as a preservative, see Annex III, No. 100.									
g	[ <sup>F4</sup> For o	other uses than	preservatives,	see Annex III,	entry No 45.]					
h	For use	other than as a	a preservative,	see Annex III,	No. 54.					
i	Only if	the concentrat	ion exceeds 0,0	)5 %.						
j		other than as a								
k	Solely age.	for products, of	ther than bath p	products/show	er gels and sha	mpoo, which r	night be used t	for children ur	nder 3 years of	
1	-	for products wl	hich might be u	used for childre	en under 3 yea	rs of age.				
m	Concer	Concerns any products aimed to be applied on a large part of the body.								
n	[ <sup>F5</sup> For o	[ <sup>F5</sup> For other uses than preservatives, see Annex III, entry No 197.]								
0	[ <sup>F6</sup> [ <sup>X2</sup> F0	[ <sup>F6</sup> [ <sup>x2</sup> For use other than as a preservative, see Annex III, No 287.								
р	For use	For use other than as a preservative, see Annex III, No 286.]]								
q	Methyl	[ <sup>F7</sup> Methylisothiazolinone is also regulated in entry 57. The two entries are mutually exclusive: the use of the mixture of Methylchloroisothiazolinone (and) Methylisothiazolinone is incompatible with the use of Methylisothiazolinone alone in the same product.]								
r	two en	[ <sup>F8</sup> Methylisothiazolinone is also regulated in entry 39 of Annex V in a mixture with methylchloroisothiazolinone. The two entries are mutually exclusive: the use of the mixture of Methylchloroisothiazolinone (and) Methylisothiazolinone is incompatible with the use of Methylisothiazolinone alone in the same product.]								
S	placed	[ <sup>F9</sup> From 17 June 2019 cosmetic products containing Biphenyl-2-ol and not complying with those conditions shall not be placed on the Union market. From 17 September 2019 cosmetic products containing Biphenyl-2-ol and not complying with those conditions shall not be made available on the Union market.]								
t	[ <sup>F10</sup> For	[ <sup>F10</sup> For use other than as a preservative, see Annex III, entry 310.								

- From 27 November 2019 cosmetic products containing 1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one and not complying with those conditions shall not be placed on the Union market.
  From 27 February 2020 cosmetic products containing 1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one
  - and not complying with those conditions shall not be made available on the Union market.]

#### **Editorial Information**

- X1 Substituted by Corrigendum to Commission Regulation (EU) 2019/1966 of 27 November 2019 amending and correcting Annexes II, III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Official Journal of the European Union L 307 of 28 November 2019).
- X2 Substituted by Corrigendum to Commission Regulation (EU) No 866/2014 of 8 August 2014 amending Annexes III, V and VI to Regulation (EC) No 1223/2009 of the European Parliament and the Council on cosmetic products (Official Journal of the European Union L 238 of 9 August 2014).

#### **Textual Amendments**

- **F2** Substituted by Commission Regulation (EU) 2019/1966 of 27 November 2019 amending and correcting Annexes II, III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F3** Deleted by Commission Regulation (EU) 2019/831 of 22 May 2019 amending Annexes II, III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F4** Substituted by Commission Regulation (EU) No 344/2013 of 4 April 2013 amending Annexes II, III, V and VI to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F5** Substituted by Commission Regulation (EU) 2016/1121 of 11 July 2016 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- F6 Inserted by Commission Regulation (EU) No 866/2014 of 8 August 2014 amending Annexes III, V and VI to Regulation (EC) No 1223/2009 of the European Parliament and the Council on cosmetic products (Text with EEA relevance).
- F7 Inserted by Commission Regulation (EU) No 1003/2014 of 18 September 2014 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F8** Substituted by Commission Regulation (EU) 2017/1224 of 6 July 2017 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F9** Inserted by Commission Regulation (EU) 2018/1847 of 26 November 2018 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- F10 Inserted by Commission Regulation (EU) 2019/698 of 30 April 2019 amending Annexes III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- F11 Substituted by Commission Regulation (EU) 2018/1847 of 26 November 2018 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F12** Words in Annex 5 Table omitted (15.10.2022) by virtue of The Toys and Cosmetic Products (Restriction of Chemical Substances) Regulations 2022 (S.I. 2022/659), regs. 1(2), **3(7)** (with reg. 4(3))
- **F13** Substituted by Commission Regulation (EU) No 1004/2014 of 18 September 2014 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F14** Inserted by Commission Regulation (EU) No 1004/2014 of 18 September 2014 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).

- **F15** Substituted by Commission Regulation (EU) No 358/2014 of 9 April 2014 amending Annexes II and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F16** Substituted by Commission Regulation (EU) 2019/698 of 30 April 2019 amending Annexes III and V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F17** Substituted by Commission Regulation (EU) No 1003/2014 of 18 September 2014 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F18** Substituted by Commission Regulation (EU) No 866/2014 of 8 August 2014 amending Annexes III, V and VI to Regulation (EC) No 1223/2009 of the European Parliament and the Council on cosmetic products (Text with EEA relevance).
- **F19** Words in Annex 5 Table inserted (15.10.2022) by The Toys and Cosmetic Products (Restriction of Chemical Substances) Regulations 2022 (S.I. 2022/659), regs. 1(2), **3(8)** (with reg. 4(3))
- **F20** Inserted by Commission Regulation (EU) No 344/2013 of 4 April 2013 amending Annexes II, III, V and VI to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).
- **F21** Inserted by Commission Regulation (EU) 2019/1858 of 6 November 2019 amending Annex V to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products (Text with EEA relevance).

## Changes to legislation:

There are currently no known outstanding effects for the Regulation (EC) No 1223/2009 of the European Parliament and of the Council, ANNEX V.