

Annex VI, Last update: 24/11/2020

LIST OF UV FILTERS ALLOWED IN COSMETIC PRODUCTS

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings	Update date
	Chemical name / INN / XAN	Name of Common Ingredients Glossary	CAS Number	EC Number	Product Type, body parts	Maximum concentration in ready for use preparation	Other		
2	N,N,N-Trimethyl-4-(2-oxoborn-3-ylidenemethyl) anilinium methyl sulphate	CAMPHOR BENZALKONIUM METHOSULFATE	52793-97-2	258-190-8		6%			15/10/2010
3	Benzoic acid, 2-hydroxy-, 3,3,5-trimethylcyclohexyl ester / Homosalate	HOMOSALATE	118-56-9	204-260-8		10%			26/10/2010
4	2-Hydroxy-4-methoxybenzophenone / Oxybenzone	BENZOPHENONE-3	131-57-7	205-031-5		6% Reg (EU) 2017/238 of 10 February 2017-date of application from September 2017	Not more than 0,5 % to protect product formulation	Contains Benzophenone-3 (1)	27/07/2020
6	2-Phenylbenzimidazole-5-sulphonic acid and its potassium, sodium and triethanolamine salts / Ensulizole	PHENYLBENZIMIDAZOLE SULFONIC ACID	27503-81-7	248-502-0		8%(as acid)			08/03/2011
7	3,3'-(1,4-Phenylenedimethylene) bis (7,7-dimethyl-2-oxobicyclo-[2.2.1] hept-1-ylmethanesulfonic acid) and its salts / Ecamsule	TEREPHTHALYLIDENE DICAMPHOR SULFONIC ACID	92761-26-7 / 90457-82-2	410-960-6 / -		10%(as acid)			26/10/2010
8	1-(4-tert-Butylphenyl)-3-(4-methoxyphenyl) propane-1,3-dione / Avobenzone	BUTYL METHOXYDIBENZOYLMETHANE	70356-09-1	274-581-6		5%			15/10/2010
9	alpha-(2-Oxoborn-3-ylidene)toluene-4-sulphonic acid and its salts	BENZYLIDENE CAMPHOR SULFONIC ACID	56039-58-8	-		6%(as acid)			26/10/2010
10	2-Cyano-3,3-diphenyl acrylic acid 2-ethylhexyl ester / Octocrilene	OCTOCRYLENE	6197-30-4	228-250-8		10%(as acid)			07/05/2019
11	Polymer of N-((2 and 4)-[(2-oxoborn-3-ylidene)methyl]benzyl)acrylamide	POLYACRYLAMIDOMETHYL BENZYLIDENE CAMPHOR	113783-61-2	-		6%			26/10/2010
12	2-Ethylhexyl 4-methoxycinnamate / Octinoxate	ETHYLHEXYL METHOXYCINNAMATE	5466-77-3	226-775-7		10%			18/07/2019
13	Ethoxylated Ethyl-4-Aminobenzoate	PEG-25 PABA	116242-27-4	-		10%			15/10/2010
14	Isopentyl-4-methoxycinnamate / Amiloxate	ISOAMYL P-METHOXYCINNAMATE	71617-10-2	275-702-5		10%			15/10/2010
15	2,4,6-Trianiilino-(p-carbo-2'-ethylhexyl-1'-oxy)-1,3,5-triazine	ETHYLHEXYL TRIAZONE	88122-99-0	402-070-1		5%			15/10/2010
16	Phenol, 2-(2H-Benzotriazol-2-yl)-4-Methyl-6-(2-Methyl-3-(1,3,3,3-Tetramethyl-1-(Trimethylsilyl)Oxy)-	DROMETRIZOLE TRISILOXANE	155633-54-8	-		15%			08/03/2011

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	Disiloxanyl)Propyl								
17	Benzoic acid, 4,4-[[[6-[[[(1,1-dimethylethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazine-2,4-diyl]diimino]bis-, bis(2-ethylhexyl)ester / Iscotrizinol	DIETHYLHEXYL BUTAMIDO TRIAZONE	154702-15-5	-		10%			26/10/2010
18	3-(4'-Methylbenzylidene)-dl-camphor / Enzacamene	4-METHYLBENZYLIDENE CAMPHOR	36861-47-9 / 38102-62-4	253-242-6 /		4%			08/03/2011
20	2-Ethylhexyl salicylate / Octisalate)	ETHYLHEXYL SALICYLATE	118-60-5	204-263-4		5%			08/03/2011
21	2-Ethylhexyl 4-(dimethylamino)benzoate / Padimate O (USAN: BAN)	ETHYLHEXYL DIMETHYL PABA	21245-02-3	244-289-3		8%			26/10/2010
22	2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid (Benzophenone-5) and its sodium salt / Sulisobenzone	BENZOPHENONE-4; BENZOPHENONE-5	4065-45-6 / 6628-37-1	223-772-2 / -		5%(as acid)			15/10/2010
23	2,2'-Methylene bis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol) / Bisotrizole	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL	103597-45-1	403-800-1		10%			27/07/2020
23a	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (nano)	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL (NANO)	103597-45-1	403-800-1		10 %(*) (*) In case of combined use of Methylene Bis-Benzotriazolyl Tetramethylbutylphenol and Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (nano), the sum shall not exceed the limit given in column g.'.	Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed: — Purity # 98,5 %, with 2,2#-methylene-bis-(6(2H-benzotriazol-2-yl)-4-(isocetyl)phenol) isomer fraction not exceeding 1,5 %; — Solubility < 5 ng/L in water at 25 °C; — Partition coefficient (Log Pow): 12,7 at 25		06/08/2020

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							°C; — Uncoated; — Median particle size D50 (50 % of the number below this diameter): # 120 nm of mass distribution and/or # 60 nm of number size distribution.		
24	Sodium salt of 2,2'-bis(1,4-phenylene)-1H-benzimidazole-4,6-disulfonic acid / Bisdisulizole disodium (USAN)	DISODIUM PHENYL DIBENZIMIDAZOLE TETRASULFONATE	180898-37-7	429-750-0		10%(as acid)			26/10/2010
25	2,2'-(6-(4-Methoxyphenyl)-1,3,5-triazine-2,4-diyl)bis(5-((2-ethylhexyl)oxy)phenol) / Bemotrizinol	BIS-ETHYLHEXYLOXYPHENOL METHOXYPHENYL TRIAZINE	187393-00-6			10%			08/03/2011
26	Dimethicodiethylbenzalmalonate	POLYSILICONE-15	207574-74-1	426-000-4		10%			15/10/2010
27	Titanium Dioxide	TITANIUM DIOXIDE	13463-67-7[1]/ 1317-70-0[2]/ 1317-80-2[3]	236-675-5[1] /215-280-1[2]/ 15-282-2 [3]		25%* *: In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum shall not exceed the limit given in column g (Maximum concentration in ready for use preparation)			28/07/2020
27a	Titanium dioxide (nano)	TITANIUM DIOXIDE (NANO)	13463-67-7[1]/ 1317-70-0[2]/ 1317-80-2[3]	236-675-5[1] /215-280-1[2]/ 215-282-2[3]		25% - In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum shall not exceed the limit of 25%.		Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation Only nanomaterials having the following characteristics are allowed:	28/07/2020

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								<p>— purity # 99 %, — rutile form, or rutile with up to 5 % anatase, with crystalline structure and physical appearance as clusters of spherical, needle, or lanceolate shapes, — median particle size based on number size distribution # 30 nm, — aspect ratio from 1 to 4,5, and volume specific surface area # 460 m²/cm³,</p> <p>— coated with Silica, Hydrated Silica, Alumina, Aluminium Hydroxide, Aluminium Stearate, Stearic Acid, Trimethoxycaprylylsilane, Glycerin, Dimethicone, Hydrogen Dimethicone, Simethicone;</p> <p>or coated with one of the following combinations: — Silica at a</p>	

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								<p>maximum concentration of 16 % and Cetyl Phosphate at a maximum concentration of 6 %, —Alumina at a maximum concentration of 7 % and Manganese Dioxide at a maximum concentration of 0,7 % (not to be used in lip products), —Alumina at a maximum concentration of 3 % and Triethoxycaprylylsilane at a maximum concentration of 9 %, — photocatalytic activity # 10 % compared to corresponding non-coated or non-doped reference, — nanoparticles are photostable in the final formulation.</p> <p>Wording of conditions of use and warnings: For face products containing</p>	

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								Tita-nium Dioxide (nano) coated with the combination Alumina and Manganese Dioxide: Not to be used on the lips.	
28	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, hexylester	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	302776-68-7	443-860-6		10%			29/07/2013
29	1,3,5-Triazine, 2,4,6-tris(1,1'-biphenyl)-4-yl-, including as nanomaterial	TRIS-BIPHENYL TRIAZINE / TRIS-BIPHENYL TRIAZINE (NANO)	31274-51-8			10%	Not to be used in sprays. Only nanomaterials having the following characteristics are allowed: - Median primary particle size >80 nm; - Purity # 98%; - Uncoated		10/10/2016
30	Zinc oxide	ZINC OXIDE	1314-13-2	215-222-5		- 25% - In case of combined use of zinc oxide and zinc oxide (nano), the sum shall not exceed the limit of 25%		Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation.	13/09/2016
30a	Zinc oxide (nano)	ZINC OXIDE (NANO)	1314-13-2	215-222-5		25% - In case of combined use of zinc oxide and zinc oxide (nano), the sum shall not exceed the limit of 25%		Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed:	01/03/2019

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								<p>— purity # 96 % , with wurtzite crystalline structure and physical appearance as clusters that are rod-like, star-like and/or isometric shapes, with impurities consisting only of carbon dioxide and water, whilst any other impurities are less than 1 % in total,</p> <p>— median diameter of the particle number size distribution D50 (50 % of the number below this diameter) > 30 nm and D1 (1 % below this size) > 20 nm,</p> <p>— water solubility < 50 mg/L</p> <p>—uncoated, or coated with triethoxycaprylsilane, dimethicone, dimethoxydiphenylsilanetriethoxycaprylsilane cross- polymer, or octyl triethoxy silane.</p>	
31	3,3#-(1,4-Phenylene)bis(5,6-diphenyl-1,2,4-triazine)	PHENYLENE BIS-DIPHENYLTRIAZINE	55514-22-2;	700-823-1;					27/07/2020

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32	2-ethoxyethyl (2Z)-2-cyano-2-[3-(3-methoxypropylamino) cyclohex-2-en-1-ylidene]acetate	METHOXYPROPYLAMINO CYCLOHEXENYLIDENE ETHOXYETHYLCYANOACETATE	1419401-88-9	700-860-3		3%	- Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation - Do not use with nitrosating agents - Maximum nitrosamine content: 50 µg/kg - Keep in nitrite-free containers	24/11/2020	