

Annex VI, Last update: 14/09/2017

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)	14/09/2017
6	2-Phenylbenzimidazole-5-sulphonic acid and its potassium, sodium and triethanolamine salts / Ensulizole	PHENYL BENZIMIDAZOLE 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 / Avobenzene	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)			15/10/2010
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%			15/10/2010
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-Triazinylino-(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-diy]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) / Bisoctrizole	METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL	103597-45-1	403-800-1		10%			22/06/2015
24	Sodium salt of 2,2'-bis(1,4-phenylene)-1H-benzimidazole-4,6-disulfonic acid / Bisdisulzole 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-diy)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
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: — purity # 99 %, — rutile form, or rutile with up to 5 % anatase, with crystalline structure and	24/02/2017

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								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 m ² /cm ³ , — coated with Silica, Hydrated Silica, Alumina, Aluminium Hydroxide, Aluminium Stearate, Stearic Acid, Trimethoxycaprylsilane, Glycerin, Dimethicone, Hydrogen Dimethicone, Simethicone; — photocatalytic activity # 10 % compared to corresponding non-coated or non-doped reference, — nanoparticles are photostable in the final formulation.	
27	Titanium dioxide	TITANIUM DIOXIDE	13463-67-7[1]/ 1317-70-0[2]/	236-675-5[1]/ 215-280-1[2]/		25% In case of			01/12/2016

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			1317-80-2[3]	215-282-2[3]		combined use of Titanium Dioxide and Titanium Dioxide (nano) , the sum shall not exceed the limit of 25%			
28	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, hexylester	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	30276-68-7	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
30a	Zinc oxide	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: — purity # 96 %, with wurtzite crystalline structure and physical appearance as clusters that are rod-like, star-like and/or isometric	10/10/2016

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								<p>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, dimethoxydiphenylsilylanetriethoxycaprylsilane cross-polymer, or octyl triethoxy silane.</p>	
30	Zinc oxide	ZINC OXIDE	1314-13-2	215-222-5		<p>- 25%</p> <p>- In case of combined use of zinc oxide and zinc oxide (nano), the sum shall not exceed the limit of 25%</p>		<p>Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation.</p>	13/09/2016