# ANNEX VI,Last update: 11/04/2025

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 | 7,34 % | From 1 January 2025 cosmetic products containing that substance and not complying with the conditions shall not be placed on the Union market. From 1 July 2025 cosmetic products containing that substance and not complying with the conditions shall not be made available on the Union market. | | | 11/11/2022 |
| 4 | 2-Hydroxy-4-methoxybenzophenone / Oxybenzone | BENZOPHENONE-3 | 131-57-7 | 205-031-5 | a) 6%<br>b) 2,2%<br>c) 0,5%<br><br>Footnote 1: However, cosmetic products containing '2-Hydroxy-4-methoxy-benzophenone/Oxybenzone' and complying with the restrictions set out in Regulation (EC) No 1223/2009 as applicable on 27 July 2022 may be placed on the Union market until 28 January 2023 and be made available on the Union market until 28 July 2023. | a) If used at 0,5 % to protect product formulation, the levels used as UV filter must not exceed 5,5 %.<br>b) If used at 0,5 % to protect product formulation, the levels used as UV filter must not exceed 1,7 %. | For a) and b): Contains Benzophenone-3 (*)<br><br>Footnote (*): Not required if concentration is 0,5 % or less and when it is used only for product protection purposes. | | 29/07/2024 |
| 5 | Moved or deleted | | | | | | | | 03/10/2016 |
| 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 |

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| 10 | 2-Cyano-3,3-diphenyl acrylic acid 2-ethylhexyl ester / Octocrilene | OCTOCRYLENE | 6197-30-4 | 228-250-8 | a) 9%<br>b) 10%<br><br>Footnote (*3): Benzophenone as an impurity and/or degradation product of Octocrylene shall be kept at trace level. | | | | 31/01/2023 |
| 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-Trianilino-(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)-Disiloxanyl)Propyl | DROMETRIZOLE TRISILOXANE | 155633-54-8 | - | 15% | | | | 08/03/2011 |
| 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 |
| 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 |

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| | 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 | | |
| 23a | Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (nano) | METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL (NANO) | 103597-45-1 | 403-800-1 | 10 %(*)<br><br>(*) 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:<br>— Purity ≥ 98,5 %, with 2,2'-methylene-bis- (6(2H-benzotriazol-2-yl)-4-(isooctyl)phenol) isomer fraction not exceeding 1,5 %;<br>— Solubility < 5 ng/L in water at 25 °C; — Partition coefficient (Log Pow): 12,7 at 25 °C;<br>— Uncoated;<br>— Median particle size D50 (50 % of the number below this diameter): ≥ 120 nm of mass distribution and/or ≥ 60 nm of number size distribution. | | | 06/08/2020 |
| 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% | | | | 27/07/2020 |
| 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 |

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| | 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 | | |
| 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%<br>- 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<br>Only nanomaterials having the following characteristics are allowed:<br>— purity ≥ 99 %,<br>— rutile form, or rutile with up to 5 % anatase, with crystalline structure and physical appearance as clusters of spherical, needle, or lanceolate shapes,<br>— median particle size based on number size distribution ≥ 30 nm,<br>— aspect ratio from 1 to 4,5, and volume specific surface area ≤ 460 m2/cm3,<br><br>— coated with Silica, Hydrated Silica, Alumina, Aluminium Hydroxide, Aluminium Stearate, Stearic Acid, Trimethoxycaprylylsilane, Glycerin, Dimethicone, Hydrogen Dimethicone, Simethicone;<br><br>or coated with one of the follow-ing combinations:<br>—Silica at a maximum | | 28/07/2020 |
| 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]/215-282-2 [ 3] | 25%*<br>*: In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum shall not exceed the limit given in column g (Maximum concen-tration in ready for use preparation) | Titanium dioxide in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm, to be used in compliance with Annex III, No 321. For the product types under letter (c) of column (f) in Annex III, No 321, the maximum concentration in ready for use preparation provided in column (g) of this entry applies.<br><br>(For use as a colourant, see Annex IV, No 143) | | | 21/06/2021 |
| 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.<br>Only nanomaterials having the folloing characteristics are allowed:<br>- Median primary particle size >80 nm;<br>- Purity ≥ 98%;<br>- Uncoated | | | 10/10/2016 |

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| 30a | Zinc oxide (nano) | ZINC OXIDE (NANO) | 1314-13-2 | 215-222-5 | 25%<br><br>- 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.<br>Only nanomaterials having the following characteristics are allowed:<br>— 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,<br>— 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,<br>— water solubility < 50 mg/L<br>—uncoated, or coated with triethoxycaprylylsilane, dimethicone, dimethoxydiphenylsilanetriethoxycaprylylsilane cross- polymer, or octyl triethoxy silane. | | 01/03/2019 |
| 30 | Zinc oxide | ZINC OXIDE | 1314-13-2 | 215-222-5 | - 25%<br><br>- 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 |
| 31 | 3,3’-(1,4-Phenylene)bis(5,6-diphenyl-1,2,4-triazine) | PHENYLENE BIS-DIPHENYLTRIAZINE | 55514-22-2; | 700-823-1; | 5% | Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. | | | 22/09/2021 |
| 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<br><br>- Do not use with nitrosating agents<br><br>- Maximum nitrosamine content: 50 µg/kg<br><br>- Keep in nitrite-free containers | | | 24/11/2020 |

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| 33 | 1,1'-(1,4-piperazinediyl)bis[1-[2-[4-(diethylamino)-2-hydroxybenzoyl]phenyl]-methanone | BIS-(DIETHYLAMINOHYDROXYBENZOYL BENZOYL) PIPERAZINE | 919803-06-8 | 485-100-6 | 10 %<br><br>(In case of combined use of Bis-(Diethylaminohydroxybenzoyl Benzoyl) Piperazine and Bis-(Diethylaminohydroxybenzoyl Benzoyl) Piperazine (nano), the sum shall not exceed 10 %). | | | | 27/11/2022 |
| 34 | 1,1'-(1,4-piperazinediyl)bis[1-[2-[4-(diethylamino)-2-hydroxybenzoyl]phenyl]-methanone | BIS-(DIETHYLAMINOHYDROXYBENZOYL BENZOYL) PIPERAZINE (NANO) | 919803-06-8 | 485-100-6 | 10 %<br>(In case of combined use of Bis-(Diethylaminohydroxybenzoyl Benzoyl) Piperazine and Bis-(Diethylaminohydroxybenzoyl Benzoyl) Piperazine (nano), the sum shall not exceed 10 %). | Only nanomaterials having the following characteristics are allowed:<br>— Purity ≥ 97 %<br>—Median particle size D50 (50 % of the number below this diameter): ≥ 50 nm of number size distribution.<br>Not to be used in applications that may lead to exposure of the end user’s lungs by inhalation. | | | 27/11/2022 |