

Notice of REACH SVHC Free

This document is for Hanwha Solutions Corporation to notify that to the best of its knowledge the following product(s) listed in Appendix A do not contain any substance(s) listed in Appendix B attached hereto (i.e. **Candidate List of Substances of Very High Concern for Authorization** under Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)):

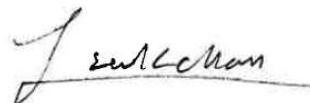
HSC will continue to monitor the developments of the REACH legislation and is committed to meeting our responsibilities as an environmentally-responsible company.

Date : Dec. 1st, 2025.

Name : Seok Chan Lee

Title : Head, SHE Office

Signature :



THIS DOCUMENT IS FOR INFORMATION PURPOSE ONLY AND DOES NOT CONSTITUTE A CONTRACT OR A PRE-CONTRACT AND IS NOT BINDING ON HANWHA SOLUTIONS CORPORATION IN ANY MANNER WHATSOEVER.

Appendix A. Product(S) Name List

| | |
|------------|--------------|
| LDPE 303 | LDPE 5325 |
| LDPE 724 | LDPE 950 |
| LDPE 737 | LDPE 955 |
| LDPE 965 | LDPE 961 |
| LDPE 960 | LDPE 963 |
| LDPE 968 | LLDPE 2558 |
| LDPE 749 | LLDPE 3120 |
| LDPE 800 | LLDPE 3120MF |
| LDPE 830 | LLDPE 3123 |
| LDPE 5602S | LLDPE 3224 |
| LDPE 5602 | LLDPE 3126 |
| LDPE 5301 | LLDPE 3127D |
| LDPE 5302 | LLDPE 4200D |
| LDPE 5303 | LLDPE 7635 |
| LDPE 5306 | LLDPE 4300N |
| LDPE 5316 | LLDPE 4300S |
| LDPE 5320 | LLDPE 9730 |
| LDPE 5321 | LLDPE 9730D |
| LDPE 5310 | LLDPE 8400 |
| LDPE 5318 | LLDPE 3830 |
| LDPE 5316F | LLDPE 3831 |
| LDPE 5321F | LLDPE 3832 |
| LDPE 5322F | LLDPE 3833 |

| | |
|------------|----------------|
| LLDPE 8262 | EVA 1315 |
| M1605EN | EVA 1316 |
| M1835HN | EVA 1316_BIO-C |
| M1810HA | EVA 1317_BIO-C |
| M1810HC | EVA 1317 |
| M1810HN | EVA 1319 |
| M2010EA | EVA 1125 |
| M2010EN | EVA 1157 |
| M2703EN | EVA 1159 |
| M3505EN | EVA 1214 |
| M3705AN | EVA 1218 |
| M1000 | EVA 1328 |
| M2710HN | EVA 1326 |
| M3830EN | EVA 1326_BIO-C |
| V1408DN | EVA 1328_BIO-C |
| | EVA 1329_BIO-C |
| | EVA 1334_BIO-C |
| | EVA 1334 |
| | EVA 1519 |
| | EVA 1520 |
| | EVA 1528 |
| | EVA 1529 |
| | EVA 1533 |
| | EVA 1540 |

| | |
|----------------|-----------------|
| EVA 1533_BIO-C | EVA 4318 |
| EVA 1540_BIO-C | EVA 4321 |
| EVA 1541 | EVA 4322 |
| EVA 1828 | EVA 4325 |
| EVA 1834 | EVA 4326 |
| EVA 1918MED | EVA 4328 |
| EVA 1928MED | EVA 4340 |
| EVA 1931MED | EVA 4333 |
| | EVA 4318_BIO-C |
| EVA 2020 | EVA 4322_BIO-C |
| EVA 2030 | EVA 4325_BIO-C |
| EVA 2031 | EVA 4326_BIO-C |
| EVA 2040 | EVA 4328_BIO-C |
| EVA 2041 | EVA H4328_BIO-C |
| EVA 2050 | EVA 4333_BIO-C |
| EVA 2240 | EVA 4340_BIO-C |
| EVA 2250 | |
| EVA 2315 | EVA 1625 |
| EVA 2319 | EVA 1626 |
| EVA 2815 | EVA 1628 |
| | EVA 1629 |
| | EVA 1631 |
| | EVA 1333 |
| | EVA 1340 |

EVA 1833 HCR HP-100

HCR HT-100

M-TPE SF-001 HCR HT-120

M-TPE SF-002D HCR HP-90

EBA 00717

EBA 01717

EBA 02020

EBA 00217

HDPE 3390

HDPE 3390UV

HDPE 3392

HDPE 7390

HDPE 7600

HDPE 8380

HDPE 8380L

HDPE 9031

MDPE 9030

HCR HC-90

HCR HC-100

HCR HC-120

HCR HS-100

HCR HS-130

Appendix B. Candidate List of Substances of Very High Concern for Authorization

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|----|---|------------------------|---|---------------------------------|
| 1 | Triethyl arsenate | 427-700-2 | 15606-95-8 | 08/10/28 |
| 2 | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | 85535-84-8 | 08/10/28 |
| 3 | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane | 247-148-4 221-695-9 | 25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8) | 08/10/28 |
| 4 | Sodium dichromate | 234-190-3 | 7789-12-0, 10588-01-9 | 08/10/28 |
| 5 | Lead hydrogen arsenate | 232-064-2 | 7784-40-9 | 08/10/28 |
| 6 | Diarsenic trioxide | 215-481-4 | 1327-53-3 | 08/10/28 |
| 7 | Diarsenic pentaoxide | 215-116-9 | 1303-28-2 | 08/10/28 |
| 8 | Anthracene | 204-371-1 | 120-12-7 | 08/10/28 |
| 9 | Bis (2-ethylhexyl)phthalate (DEHP) | 204-211-0 | 117-81-7 | 08/10/28 |
| 10 | 4,4'- Diaminodiphenylmethane (MDA) | 202-974-4 | 101-77-9 | 08/10/28 |
| 11 | Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 | 08/10/28 |
| 12 | Dibutyl phthalate (DBP) | 201-557-4 | 84-74-2 | 08/10/28 |
| 13 | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | 81-15-2 | 08/10/28 |
| 14 | Bis(tributyltin)oxide (TBTO) | 200-268-0 | 56-35-9 | 08/10/28 |
| 15 | Cobalt dichloride | 231-589-4 | 7646-79-9 | 08/10/28 11/06/20 |
| 16 | Anthracene oil, anthracene paste,distn. lights | 295-278-5 | 91995-17-4 | 10/01/13 |
| 17 | Anthracene oil, anthracene paste, anthracene fraction | 295-275-9 | 91995-15-2 | 10/01/13 |
| 18 | Anthracene oil, anthracene-low | 292-604-8 | 90640-82-7 | 10/01/13 |
| 19 | Anthracene oil, anthracene paste | 292-603-2 | 90640-81-6 | 10/01/13 |
| 20 | Anthracene oil | 292-602-7 | 90640-80-5 | 10/01/13 |
| 21 | Pitch, coal tar, high temp. | 266-028-2 | 65996-93-2 | 10/01/13 |
| 22 | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 235-759-9 | 12656-85-8 | 10/01/13 |
| 23 | Lead chromate | 231-846-0 | 7758-97-6 | 10/01/13 |
| 24 | Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 215-693-7 | 1344-37-2 | 10/01/13 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|----|--|-------------------------|--|---------------------------------|
| 25 | 2,4-Dinitrotoluene | 204-450-0 | 121-14-2 | 10/01/13 |
| 26 | Tris(2-chloroethyl)phosphate | 204-118-5 | 115-96-8 | 10/01/13 |
| 27 | Diisobutyl phthalate | 201-553-2 | 84-69-5 | 10/01/13 |
| 28 | Acrylamide | 201-173-7 | 79-06-1 | 10/03/30 |
| 29 | Tetraboron disodium heptaoxide, hydrate | 235-541-3 | 12267-73-1 | 10/06/18 |
| 30 | Boric acid | 233-139-2, 234-343-4 | 10043-35-3, 11113-50-1 | 10/06/18 |
| 31 | Ammonium dichromate | 232-143-1 | 7789-09-05 | 10/06/18 |
| 32 | Potassium chromate | 232-140-5 | 7789-00-6 | 10/06/18 |
| 33 | Potassium dichromate | 231-906-6 | 7778-50-9 | 10/06/18 |
| 34 | Sodium chromate | 231-889-5 | 7775-11-03 | 10/06/18 |
| 35 | Disodium tetraborate, anhydrous | 215-540-4 | 1303-96-4, 1330-43-4, 12179-04-3 | 10/06/18 |
| 36 | Trichloroethylene | 201-167-4 | 79-01-6 | 10/06/18 |
| 37 | Cobalt(II) dinitrate | 233-402-1 | 10141-05-6 | 10/12/15 |
| 38 | Cobalt(II) sulphate | 233-334-2 | 10124-43-3 | 10/12/15 |
| 39 | Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 231-801-5, 236-881-5 | 7738-94-5, 13530-68-2 | 10/12/15 |
| 40 | Chromium trioxide | 215-607-8 | 1333-82-0 | 10/12/15 |
| 41 | Cobalt(II) carbonate | 208-169-4 | 513-79-1 | 10/12/15 |
| 42 | 2-Ethoxyethanol | 203-804-1 | 110-80-5 | 10/12/15 |
| 43 | 2-Methoxyethanol | 203-713-7 | 109-86-4 | 10/12/15 |
| 44 | Cobalt(II) diacetate | 200-755-8 | 71-48-7 | 10/12/15 |
| 45 | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 276-158-1 | 71888-89-6 | 11/06/20 |
| 46 | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4 | 11/06/20 |
| 47 | Strontium chromate | 232-142-6 | 7789-06-02 | 11/06/20 |
| 48 | 1-Methyl-2-pyrrolidone | 212-828-1 | 872-50-4 | 11/06/20 |
| 49 | Hydrazine | 206-114-9 | 302-01-2, 7803-57-8 | 11/06/20 |
| 50 | 2-Ethoxyethyl acetate | 203-839-2 | 111-15-9 | 11/06/20 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|----|--|-----------|------------|------------------------------|
| 51 | 1,2,3-Trichloropropane | 202-486-1 | 96-18-4 | 11/06/20 |
| 52 | Formaldehyde, oligomeric reaction products with aniline | 500-036-1 | 25214-70-4 | 11/12/19 |
| 53 | Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 | 11/12/19 |
| 54 | Dichromium tris(chromate) | 246-356-2 | 24613-89-6 | 11/12/19 |
| 55 | Lead styphnate | 239-290-0 | 15245-44-0 | 11/12/19 |
| 56 | Lead diazide, Lead azide | 236-542-1 | 13424-46-9 | 11/12/19 |
| 57 | Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 | 11/12/19 |
| 58 | Calcium arsenate | 231-904-5 | 7778-44-1 | 11/12/19 |
| 59 | Arsenic acid | 231-901-9 | 7778-39-4 | 11/12/19 |
| 60 | Lead dipicrate | 229-335-2 | 6477-64-1 | 11/12/19 |
| 61 | Trilead diarsenate | 222-979-5 | 3687-31-8 | 11/12/19 |
| 62 | 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 | 11/12/19 |
| 63 | N,N-dimethylacetamide | 204-826-4 | 127-19-5 | 11/12/19 |
| 64 | Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 | 11/12/19 |
| 65 | Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 | 11/12/19 |
| 66 | 1,2-dichloroethane | 203-458-1 | 107-06-2 | 11/12/19 |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline | 202-918-9 | 101-14-4 | 11/12/19 |
| 68 | 2-Methoxyaniline; o-Anisidine | 201-963-1 | 90-04-0 | 11/12/19 |
| 69 | Phenolphthalein | 201-004-7 | 77-09-8 | 11/12/19 |
| 70 | Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO} + \text{MgO} + \text{BaO}$) content less or equal to 18% by weight | | | 11/12/19 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|----|--|-----------|------------|---------------------------------|
| 71 | Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm) c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O} + \text{K}_2\text{O} + \text{CaO} + \text{MgO} + \text{BaO}$) content less or equal to 18% by weight | | | 11/12/19 |
| 72 | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC) | 423-400-0 | 59653-74-6 | 12/06/18 |
| 73 | Lead(II) bis(methanesulfonate) | 401-750-5 | 17570-76-2 | 12/06/18 |
| 74 | α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 229-851-8 | 6786-83-0 | 12/06/18 |
| 75 | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 219-943-6 | 2580-56-5 | 12/06/18 |
| 76 | 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 219-514-3 | 2451-62-9 | 12/06/18 |
| 77 | Diboron trioxide | 215-125-8 | 1303-86-2 | 12/06/18 |
| 78 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 209-218-2 | 561-41-1 | 12/06/18 |
| 79 | [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet | 208-953-6 | 548-62-9 | 12/06/18 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|----|--|---|---|---------------------------------|
| | 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | | | |
| 80 | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 203-977-3 | 112-49-2 | 12/06/18 |
| 81 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 | 12/06/18 |
| 82 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 202-959-2 | 101-61-1 | 12/06/18 |
| 83 | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 | 12/06/18 |
| 84 | Formamide | 200-842-0 | 75-12-7 | 12/06/18 |
| 85 | Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 214-604-9 | 1163-19-5 | 12/12/19 |
| 86 | Pentacosfluorotridecanoic acid | 276-745-2 | 72629-94-8 | 12/12/19 |
| 87 | Tricosfluorododecanoic acid | 206-203-2 | 307-55-1 | 12/12/19 |
| 88 | Henicosfluoroundecanoic acid | 218-165-4 | 2058-94-8 | 12/12/19 |
| 89 | Heptacosfluorotetradecanoic acid | 206-803-4 | 376-06-7 | 12/12/19 |
| 90 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 204-650-8 | 123-77-3 | 12/12/19 |
| 91 | Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]. | 201-604-9, 236-086-3, 238-009-9 | 85-42-7, 13149-00-3, 14166-21-3 | 12/12/19 |
| 92 | Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 12/12/19 |
| 93 | 4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well- | - | - | 12/12/19 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|---|-----------|-------------|---------------------------------|
| | defined substances which include any of the individual isomers or a combination thereof] | | | |
| 94 | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - | - | 12/12/19 |
| 95 | Methoxyacetic acid | 210-894-6 | 625-45-6 | 12/12/19 |
| 96 | N,N-dimethylformamide | 200-679-5 | 68-12-2 | 12/12/19 |
| 97 | Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 | 12/12/19 |
| 98 | Lead monoxide (Lead oxide) | 215-267-0 | 1317-36-8 | 12/12/19 |
| 99 | Orange lead (Lead tetroxide) | 215-235-6 | 1314-41-6 | 12/12/19 |
| 100 | Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 | 12/12/19 |
| 101 | Trilead bis(carbonate)dihydroxide | 215-290-6 | 1319-46-6 | 12/12/19 |
| 102 | Lead titanium trioxide | 235-038-9 | 12060-00-3 | 12/12/19 |
| 103 | Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 | 12/12/19 |
| 104 | Silicic acid, lead salt | 234-363-3 | 11120-22-2 | 12/12/19 |
| 105 | Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 272-271-5 | 68784-75-8 | 12/12/19 |
| 106 | 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 | 12/12/19 |
| 107 | Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 | 12/12/19 |
| 108 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 284-032-2 | 84777-06-0 | 12/12/19 |
| 109 | Diisopentylphthalate (DIPP) | 210-088-4 | 605-50-5 | 12/12/19 |
| 110 | N-pentyl-isopentylphthalate | - | 776297-69-9 | 12/12/19 |
| 111 | 1,2-diethoxyethane | 211-076-1 | 629-14-1 | 12/12/19 |
| 112 | Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 | 12/12/19 |
| 113 | Lead oxide sulfate | 234-853-7 | 12036-76-9 | 12/12/19 |
| 114 | [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 | 12/12/19 |
| 115 | Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 | 12/12/19 |
| 116 | Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 | 12/12/19 |
| 117 | Lead cynamidate | 244-073-9 | 20837-86-9 | 12/12/19 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|-----------|-------------|---------------------------------|
| 118 | Lead dinitrate | 233-245-9 | 10099-74-8 | 12/12/19 |
| 119 | Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 | 12/12/19 |
| 120 | Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 | 12/12/19 |
| 121 | Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 | 12/12/19 |
| 122 | Tetraethyllead | 201-075-4 | 78-00-2 | 12/12/19 |
| 123 | Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 | 12/12/19 |
| 124 | Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 | 12/12/19 |
| 125 | Furan | 203-727-3 | 110-00-9 | 12/12/19 |
| 126 | Diethyl sulphate | 200-589-6 | 64-67-5 | 12/12/19 |
| 127 | Dimethyl sulphate | 201-058-1 | 77-78-1 | 12/12/19 |
| 128 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 | 12/12/19 |
| 129 | Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 | 12/12/19 |
| 130 | 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 | 12/12/19 |
| 131 | 4,4'-oxydianiline and its salts | 202-977-0 | 101-80-4 | 12/12/19 |
| 132 | 4-aminoazobenzene | 200-453-6 | 60-09-3 | 12/12/19 |
| 133 | 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 | 12/12/19 |
| 134 | 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 | 12/12/19 |
| 135 | Biphenyl-4-ylamine | 202-177-1 | 92-67-1 | 12/12/19 |
| 136 | o-aminoazotoluene [(4-o-tolylazo-o-toluidine)] | 202-591-2 | 97-56-3 | 12/12/19 |
| 137 | o-toluidine | 202-429-0 | 95-53-4 | 12/12/19 |
| 138 | N-methylacetamide | 201-182-6 | 79-16-3 | 12/12/19 |
| 139 | Cadmium oxide | 215-146-2 | 1306-19-0 | 13/06/20 |
| 140 | Dipentyl phthalate (DPP) | 205-017-9 | 131-18-0 | 13/06/20 |
| 141 | Pentadecafluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 | 13/06/20 |
| 142 | 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB-and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | - | - | 13/06/20 |
| 143 | Ammonium pentadecafluorooctanoate (APFO) | 223-320-4 | 3825-26-1 | 13/06/20 |
| 144 | Cadmium | 231-152-8 | 7440-43-9 | 13/06/20 |
| 145 | Lead di(acetate) | 206-104-4 | 301-04-2 | 13/12/16 |
| 146 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4- | 209-358-4 | 573-58-0 | 13/12/16 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|------------------------|---------------------------|---------------------------------|
| | aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | | | |
| 147 | Trixyl phosphate | 246-677-8 | 25155-23-1 | 13/12/16 |
| 148 | Imidazolidine-2-thione; (2-imidazoline-2-thiol) | 202-506-9 | 96-45-7 | 13/12/16 |
| 149 | Dihexyl phthalate | 201-559-5 | 84-75-3 | 13/12/16 |
| 150 | Disodium 4-amino-3-[[4'-[{(2,4-diaminophenyl)azo}[1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 217-710-3 | 1937-37-7 | 13/12/16 |
| 151 | Cadmium sulphide | 215-147-8 | 1306-23-6 | 13/12/16 |
| 152 | Cadmium chloride | 233-296-7 | 10108-64-2 | 14/06/14 |
| 153 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 | 14/06/14 |
| 154 | Sodium peroxometaborate | 231-556-4 | 7632-04-4 | 14/06/14 |
| 155 | Sodium perborate; perboric acid, sodium salt | 239-172-9 234-390-0 | - | 14/06/14 |
| 156 | Cadmium sulphate | 233-331-6 | 10124-36-4, 31119-53-6 | 14/12/17 |
| 157 | Cadmium fluoride | 232-222-0 | 7790-79-6 | 14/12/17 |
| 158 | 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328) | 247-384-8 | 25973-55-1 | 14/12/17 |
| 159 | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | - | - | 14/12/17 |
| 160 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 15571-58-1 | 14/12/17 |
| 161 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 223-346-6 | 3846-71-7 | 14/12/17 |
| 162 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] | - | - | 15/06/15 |
| 163 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; | 271-094-0 | 68515-51-5 | 15/06/15 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|--|---|---------------------------------|
| | 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) | 272-013-1 | 68648-93-1 | |
| 164 | Nitrobenzene | 202-716-0 | 98-95-3 | 15/12/17 |
| 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 | 15/12/17 |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 | 15/12/17 |
| 167 | 1,3-propanesultone | 214-317-9 | 1120-71-4 | 15/12/17 |
| 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts | 206-801-3 | 375-95-1 21049-39-8 4149-60-4 | 15/12/17 |
| 169 | Benzo[def]chrysene (Benzo[a]pyrene) | 200-028-5 | 50-32-8 | 16/06/20 |
| 170 | p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 | 17/01/12 |
| 171 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt | 206-400-3 221-470-5 - | 335-76-2 3108-42-7 3830-45-3 | 17/01/12 |
| 172 | 4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]" | 276-743-1 217-862-0 | 6465-71-0 6465-74-3 6863-24-7 1987-50-4 (...) | 17/01/12 |
| 173 | 4,4'-isopropylidenediphenol | 201-245-8 | 80-05-07 | 17/01/12 |
| 174 | Perfluorohexane-1-sulphonic acid and its salts(PFHxS) | 206-587-1 223-393-2 269-511-6 274-462-9 | 355-46-4 3871-99-6 41184-65-0 (...) | 17/07/07 |
| 175 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl) | 300-298-5 | 93925-00-9 | 18/01/15 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|-----------|--|---------------------------------|
| 176 | Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™) covering any of its individual anti- and syn-isomers or any combination thereof | 236-948-9 | 13560-89-9 135821-74-8 135821-03-3 | 18/01/15 |
| 177 | Chrysene | 205-923-4 | 218-01-9 1719-03-5 | 18/01/15 |
| 178 | Cadmium nitrate | 233-710-6 | 10022-68-1 10325-94-7 | 18/01/15 |
| 179 | Cadmium hydroxide | 244-168-5 | 21041-95-2 | 18/01/15 |
| 180 | Cadmium carbonate | 208-168-9 | 513-78-0 | 18/01/15 |
| 181 | Benz[a]anthracene | 200-280-6 | 56-55-3 1718-53-2 | 18/01/15 |
| 182 | Terphenyl, hydrogenated | 262-967-7 | 61788-32-7 | 18/06/27 |
| 183 | Octamethylcyclotetrasiloxane(D4) | 209-136-7 | 556-67-2 | 18/06/27 |
| 184 | Lead | 231-100-4 | 7439-92-1 | 18/06/27 |
| 185 | Ethylenediamine(EDA) | 203-468-6 | 107-15-3 | 18/06/27 |
| 186 | Dodecamethylcyclohexasiloxane(D6) | 208-762-8 | 540-97-6 | 18/06/27 |
| 187 | Disodium octaborate | 234-541-0 | 12008-41-2 | 18/06/27 |
| 188 | Dicyclohexyl phthalate(DCHP) | 201-545-9 | 84-61-7 | 18/06/27 |
| 189 | Decamethylcyclopentasiloxane(D5) | 208-764-9 | 541-02-6 | 18/06/27 |
| 190 | Benzo[ghi]perylene | 205-883-8 | 191-24-2 | 18/06/27 |
| 191 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) | 209-008-0 | 552-30-7 | 18/06/27 |
| 192 | Pyrene | 204-927-3 | 129-00-0 1718-52-1 | 19/01/15 |
| 193 | Phenanthrene | 201-581-5 | 85-01-8 | 19/01/15 |
| 194 | Fluoranthene | 205-912-4 | 206-44-0 93951-69-0 | 19/01/15 |
| 195 | Benzo[k]fluoranthene | 205-916-6 | 207-08-9 | 19/01/15 |
| 196 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane | 401-720-1 | 6807-17-6 | 19/01/15 |
| 197 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one | 239-139-9 | 15087-24-8 | 19/01/15 |
| 198 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP) | 247-759-6 | 26523-78-7 | 19/07/16 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|---|-------------------------------------|--|---------------------------------|
| 199 | 4-tert-butylphenol | 202-679-0 | 98-54-4 | 19/07/16 |
| 200 | 2-methoxyethyl acetate | 203-772-9 | 110-49-6 | 19/07/16 |
| 201 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | 236-236-8 | 13252-13-6 (acid) 2062-98-8 (acyl halide) | 19/07/16 |
| 202 | Diisohexyl phthalate | 276-090-2 | 71850-09-4 | 20/01/16 |
| 203 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone | 404-360-3 | 119313-12-1 | 20/01/16 |
| 204 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 400-600-6 | 71868-10-5 | 20/01/16 |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts | 206-793-1 249-616-3 | 375-73-5 29420-49-3 | 20/01/16 |
| 206 | 1-vinylimidazole | 214-012-0 | 1072-63-5 | 20/06/25 |
| 207 | 2-methylimidazole | 211-765-7 | 693-98-1 | 20/06/25 |
| 208 | Butyl 4-hydroxybenzoate | 202-318-7 | 94-26-8 | 20/06/25 |
| 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin | 245-152-0 | 22673-19-4 | 20/06/25 |
| 210 | Bis(2-(2-methoxyethoxy)ethyl)ether | 205-594-7 | 143-24-8 | 21/01/19 |
| 211 | Diocetyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | 293-901-5 222-883-3 | 91648-39-4 3648-18-8 | 21/01/19 |
| 212 | 1,4-dioxane | 204-661-8 | 123-91-1 | 21/07/08 |
| 213 | 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) | 253-057-0 221-967-7 202-480-9 | 1522-92-5 36483-57-5 3296-90-0 96-13-9 | 21/07/08 |
| 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers | 201-289-8 | 75166-31-3 80-54-6 75166-30-2 | 21/07/08 |
| 215 | 4,4'-(1-methylpropylidene)bisphenol | 201-025-1 | 77-40-7 | 21/07/08 |
| 216 | glutaral | 203-856-5 | 111-30-8 | 21/07/08 |
| 217 | Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal | 287-477-0 | 1372804-76-6 85535-85-9 | 21/07/08 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|---|-------------------------------------|---|---------------------------------|
| | to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) | 950-299-5 | 198840-65-2 | |
| 218 | orthoboric acid, sodium salt | | 25747-83-5 22454-04-2 238-253-6 215-604-1 237-560-2 | 21/07/08 |
| 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) | | 210555-94-5 27459-10-5 27147-75-7 310-154-3 | 21/07/08 |
| 220 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 204-327-1 | 119-47-1 | 22/01/17 |
| 221 | tris(2-methoxyethoxy)vinylsilane | 213-934-0 | 1067-53-4 | 22/01/17 |
| 222 | (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) | | | 22/01/17 |
| 223 | S-(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 401-850-9 | 255881-94-8 | 22/01/17 |
| 224 | N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 | 22/06/10 |
| 225 | 1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene] | 253-692-3 | 37853-59-1 | 23/01/17 |
| 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol | 201-236-9 | 79-94-7 | 23/01/17 |
| 227 | 4,4'-sulphonyldiphenol | 201-250-5 | 80-09-01 | 23/01/17 |
| 228 | Barium diboron tetraoxide | 237-222-4 | 13701-59-2 | 23/01/17 |
| 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof | 247-426-5 | 26040-51-7 | 23/01/17 |
| 230 | Isobutyl 4-hydroxybenzoate | 224-208-8 | 4247-02-3 | 23/01/17 |
| 231 | Melamine | 203-615-4 | 108-78-1 | 23/01/17 |
| 232 | Perfluoroheptanoic acid and its salts | 228-098-2 206-798-9 243-518-4 | 6130-43-4 21049-36-5 375-85-9 20109-59-9 | 23/01/17 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|-----------|--------------|---------------------------------|
| 233 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine | 473-390-7 | - | 23/01/17 |
| 234 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 278-355-8 | 75980-60-8 | 23/06/14 |
| 235 | Bis(4-chlorophenyl) sulphone | 201-247-9 | 80-07-9 | 23/06/14 |
| 236 | 2,4,6-tri-tert-butylphenol | 211-989-5 | 732-26-3 | 24/01/23 |
| 237 | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol | 221-573-5 | 3147-75-9 | 24/01/23 |
| 238 | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one | 438-340-0 | 119344-86-4 | 24/01/23 |
| 239 | Bumetizole | 223-445-4 | 3896-11-05 | 24/01/23 |
| 240 | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol | 700-960-7 | - | 24/01/23 |
| 241 | Bis(α,α -dimethylbenzyl) peroxide | 201-279-3 | 80-43-3 | 24/06/27 |
| 242 | Triphenyl Phosphate | 204-112-2 | 115-86-6 | 24/11/07 |
| 243 | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid | 701-118-1 | 2156592-54-8 | 25/01/21 |
| 244 | O,O,O-triphenyl phosphorothioate | 209-909-9 | 597-82-0 | 25/01/21 |
| 245 | Octamethyltrisiloxane | 203-497-4 | 107-51-7 | 25/01/21 |
| 246 | Perfluamine | 206-420-2 | 338-83-0 | 25/01/21 |
| 247 | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives | 421-820-9 | 192268-65-8 | 25/01/21 |
| 248 | 1,1,1,3,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane | 241-867-7 | 17928-28-8 | 25/06/25 |
| 249 | decamethyltetrasiloxane | 205-491-7 | 141-62-8 | 25/06/25 |
| 250 | tetra(sodium/potassium) 7-[{E}-{2-acetamido-4-[{E}-(4-{[4-chloro-6-({2-[4-fluoro-6-{{[4-vinylsulfonyl]phenyl}amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diaz恒y]}-5-methoxyphenyl}diaz恒y]-1,3,6-naphthalenetrisulfonate | 466-490-7 | - | 25/06/25 |

| No | Substance Name | EC No. | CAS No. | Date of inclusion (yy/mm/dd) |
|-----|--|-----------|------------|---------------------------------|
| | (Reactive Brown 51) | | | |
| 251 | 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE) | 284-366-9 | 84852-53-9 | 25/11/05 |