

LS Materials Co., Ltd. Ultracapacitor Biz Team

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## REACH Declaration of Conformity

We declare that the information provided in the table below is true and complete to the best of our knowledge. The concentration of substances SVHC contained in the article supplied to LS Materials are within the limits established by the EC Regulation No 1907/2006 and (EU)no. 143/2011 and (EU) no.125/2012 and (EU)no.348/2013.

As of the date of this declaration, the products in "Table1. Product Series & Models & Table2. Module Product Series & Models" below, which are manufactured for sale and distribution by LS Materials, are not intended to release any of the REACH-regulated substances.

**Table1. Product Series & Models**

| Series        | Capacitance | Model Number                                                                         | Terminal Type | Shape       |
|---------------|-------------|--------------------------------------------------------------------------------------|---------------|-------------|
| LSUC<br>2.8V  | 100F        | LSUC 002R8S 0100F EA                                                                 | Snap-in       | Radial      |
|               | 120F        | LSUC 002R8S 0120F EA                                                                 | Snap-in       | Radial      |
|               | 320F        | LSUC 002R8L 0320F EA                                                                 | Lug           | Radial      |
|               | 360F        | LSUC 002R8L 0360F EA                                                                 | Lug           | Radial      |
|               | 350F        | LSUC 002R8S 0350F EA/ LSUC 002R8L 0350F EA                                           | Snap-in/Lug   | Radial      |
|               | 400F        | LSUC 002R8S 0400F EA/ LSUC 002R8L0400F EA                                            | Snap-in/Lug   | Radial      |
|               | 450F        | LSUC 002R8S 0450F EA/ LSUC 002R8L0450F EA                                            | Snap-in/Lug   | Radial      |
|               | 600F        | LSUC 002R8S0600F EA/ LSUC 002R8L0600F EA                                             | Snap-in/Lug   | Radial      |
|               | 720F        | LSUC 002R8L0720F EA                                                                  | Lug           | Radial      |
| LSUC<br>2.7V  | 650F        | LSUC 002R7C 0650F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1200F       | LSUC 002R7C 1200F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1500F       | LSUC 002R7C 1500F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 2000F       | LSUC 002R7C 2000F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 3000F       | LSUC 002R7C 3000F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
| LSUC<br>2.85V | 650F        | LSUC 02R85C 0650F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1200F       | LSUC 02R85C 1200F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1500F       | LSUC 02R85C 1500F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 2000F       | LSUC 02R85C 2000F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 3000F       | LSUC 02R85C3000F EA/NC/NH                                                            | ST/LT/LT02/WT | Cylindrical |
|               | 3400F       | LSUC 02R85C 3400F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
| LSUC<br>3.0V  | 100F        | LSUC 003R0S0100F EA                                                                  | Snap-in       | Radial      |
|               | 380F        | LSUC 003R0S0380F EA/ LSUC 003R0L0380F EA<br>LSUC 003R0S0380F HT/ LSUC 003R0L0380F HT | Snap-in/Lug   | Radial      |
|               | 430F        | LSUC 003R0S0430F EA/ LSUC 003R0L0430F EA                                             | Snap-in/Lug   | Radial      |
|               | 480F        | LSUC 003R0S0480F EA/ LSUC 003R0L0480F EA<br>LSUC 003R0S0480F HT/ LSUC 003R0L0480F HT | Snap-in/Lug   | Radial      |
|               | 650F        | LSUC 003R0C 0650F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1200F       | LSUC 003R0C 1200F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 1500F       | LSUC 003R0C 1500F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 2000F       | LSUC 003R0C 2000F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 3000F       | LSUC 003R0C 3000F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |
|               | 3400F       | LSUC 003R0C 3400F EA/NC/NH                                                           | ST/LT/LT02/WT | Cylindrical |

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**Table2. Module Product Series & Models**

| Series | Rated Voltage | Capacitance | Model Number              | Product Number        |
|--------|---------------|-------------|---------------------------|-----------------------|
| LSUM   | 16.8V         | 58F         | LSUM 016R8L 0058F EA VE02 | LSUM 16.8V 58F VE02   |
|        | 356.4V        | 9F          | LSUM 356R4C 0009F EA      | LSUM 356.4V 9F        |
|        | 48.6V         | 166F        | LSUM 048R6C 0166F EA DC05 | LSUM 48.6V 166F DC05  |
|        | 48.6V         | 166F        | LSUM 048R6C 0166F EA YJ02 | LSUM 48.6V 166F YJ02  |
|        | 16.2V         | 500F        | LSUM 016R2C 0500F EA MH03 | LSUM 16.2V 500F MH03  |
|        | 86.4V         | 93F         | LSUM 086R4C 0093F EA VS02 | LSUM 86.4V 93F VS02   |
|        | 16.2V         | 500F        | LSUM 016R2C 0500F EA AG   | LSUM 16.2V 500F AG    |
|        | 48.6V         | 166F        | LSUM 048R6C 0166F EA YJ04 | LSUM 48.6V 166F YJ04  |
|        | 32.4V         | 100F        | LSUM 032R4C 0100F EA BP   | LSUM 32.4V 100F BP    |
|        | 129.6V        | 62F         | LSUM 129R6C 0062F EA FI07 | LSUM 129.6V 62F FI07  |
|        | 180.0V        | 50F         | LSUM 180R0C 0050F EA      | LSUM 180.0V 50F       |
|        | 356.4V        | 15F         | LSUM 356R4C 0015F EA      | LSUM 356.4V 15F       |
|        | 108.0V        | 83F         | LSUM 108R0C 0083F EA YD3P | LSUM 108.0V 083F YD3P |
|        | 108.0V        | 41F         | LSUM 108R0C 0041F EA YD3P | LSUM 108.0V 041F YD3P |

LS Materials Co., LTD.

Name : JINSOL KIM  
 Title : Manager of Quality Assurance team  
 Date : 7<sup>th</sup> February, 2024  
 Signature

Jinsol Kim.

Below "Table3. Candidate List of Substances of Very High Concern (SVHC)" contains substances that are included by European Chemicals Agency (ECHA) on the Candidate List of Substances of Very High Concern (SVHC) for Authorization as defined in Articles 33, 57 and 59(10), and as referenced on ECHA's Candidate List of Substances of Very High Concern and those substances that have been updated 06/02/2024. (Number of substances on the Candidate List: 240)

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**Table3. The Candidate List of Substances of Very High Concern (SVHC): 240 items**

| Substance name<br>expand / collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | EC No.    | CAS No.     | Date of inclusion | Decision        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|-------------------|-----------------|
| Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol<br>Phenol, methylstyrenated EC No.: 270-966-8   CAS No.: 68512-30-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 700-960-7 | -           | 23/01/2024        | D(2023)8585-DC  |
| Bumetrizole (UV-326)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 223-445-4 | 3896-11-5   | 23/01/2024        | D(2023)8585-DC  |
| 2-(dimethylamino)-2-[(4-methylphenyl) methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 438-340-0 | 119344-86-4 | 23/01/2024        | D(2023)8585-DC  |
| 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenol (UV-329)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 221-573-5 | 3147-75-9   | 23/01/2024        | D(2023)8585-DC  |
| 2,4,6-tri-tert-butylpheno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 211-989-5 | 732-26-3    | 23/01/2024        | D(2023)8585-DC  |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 278-355-8 | 75980-60-8  | 14/06/2023        | D(2023)3788-DC  |
| Bis(4-chlorophenyl) sulphone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 201-247-9 | 80-07-9     | 14/06/2023        | D(2023)3788-DC  |
| 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 | -           | 17/01/2023        | D(2022)9120-DC  |
| Perfluoroheptanoic acid and its salts<br>Ammonium perfluoroheptanoate EC No.: 228-098-2   CAS No.: 6130-43-4<br>potassium perfluoroheptanoate EC No.: -   CAS No.: 21049-36-5<br>Perfluoroheptanoic acid EC No.: 206-798-9   CAS No.: 375-85-9<br>Sodium perfluoroheptanoate EC No.: 243-518-4   CAS No.: 20109-59-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -         | -           | 17/01/2023        | D(2022)9120-DC  |
| Melamine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 203-615-4 | 108-78-1    | 17/01/2023        | D(2022)9120-DC  |
| Isobutyl 4-hydroxybenzoate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 224-208-8 | 4247-02-3   | 17/01/2023        | D(2022)9120-DC  |
| bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof<br>Bis(2-ethylhexyl) tetrabromophthalate EC No.: 247-426-5   CAS No.: 26040-51-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -         | -           | 17/01/2023        | D(2022)9120-DC  |
| Barium diboron tetraoxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 237-222-4 | 13701-59-2  | 17/01/2023        | D(2022)9120-DC  |
| 4,4'-sulphonyldiphenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 201-250-5 | 80-09-1     | 17/01/2023        | D(2022)9120-DC  |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 201-236-9 | 79-94-7     | 17/01/2023        | D(2022)9120-DC  |
| 1,1'-[ethane-1,2-diylbis(oxy)bis[2,4,6-tribromobenzene]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 253-692-3 | 37853-59-1  | 17/01/2023        | D(2022)9120-DC  |
| N-(hydroxymethyl)acrylamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 213-103-2 | 924-42-5    | 10/06/2022        | D(2022)4187-DC  |
| tris(2-methoxyethoxy)vinylsilane:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 213-934-0 | 1067-53-4   | 17/01/2022        | D(2021)10043-DC |
| S-(tricyclo(5.2.1.0 <sup>2,6</sup> )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 | 17/01/2022        | D(2021)10043-DC |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 204-327-1 | 119-47-1    | 17/01/2022        | D(2021)10043-DC |
| (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 1782069-81-1<br>(1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 95342-41-9<br>(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 852541-25-4<br>(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one EC No.: 253-242-6   CAS No.: 36861-47-9<br>(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 741687-98-9<br>(1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 852541-30-1<br>(1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one EC No.: -   CAS No.: 852541-21-0 | -         | -           | 17/01/2022        | D(2021)10043-DC |
| Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)<br>Phenol, dodecyl-, branched EC No.: 310-154-3   CAS No.: 121158-58-5<br>Phenol, (tetrapropenyl) derivatives EC No.: -   CAS No.: 74499-35-7<br>Phenol, 4-dodecyl, branched EC No.: -   CAS No.: 210555-94-5<br>4-isododecylphenol EC No.: -   CAS No.: 27459-10-5<br>Phenol, tetrapropylene- EC No.: -   CAS No.: 57427-55-1<br>Phenol, 4-isododecyl- EC No.: -   CAS No.: 27147-75-7                                                                                                                                                                                                                                      | -         | -           | 08/07/2021        | D(2021)4569-DC  |
| orthoboric acid, sodium salt<br>boric acid (H3BO3), sodium salt, hydrate EC No.: -   CAS No.: 25747-83-5<br>Boric acid (H3BO3), disodium salt EC No.: -   CAS No.: 22454-04-2<br>Trisodium orthoborate EC No.: 238-253-6   CAS No.: 14312-40-4<br>Boric acid, sodium salt EC No.: 215-604-1   CAS No.: 1333-73-9<br>Orthoboric acid, sodium salt EC No.: 237-560-2   CAS No.: 13840-56-7<br>Boric acid (H3BO3), sodium salt (1:1) EC No.: -   CAS No.: 14890-53-0                                                                                                                                                                                                                                                                                                                                                | -         | -           | 08/07/2021        | D(2021)4569-DC  |
| Medium-chain chlorinated paraffins (MCCP)<br>UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17<br>Alkanes, C14-16, chloro EC No.: -   CAS No.: 1372804-76-6<br>Alkanes, C14-17, chloro EC No.: 287-477-0   CAS No.: 85535-85-9<br>di-, tri- and tetrachlorotetradecane EC No.: 950-299-5   CAS No.: -<br>Tetradecane, chloro derivs. EC No.: -   CAS No.: 198840-65-2                                                                                                                                                                                                                                                                                                                                                      | -         | -           | 08/07/2021        | D(2021)4569-DC  |
| glutaral                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 203-856-5 | 111-30-8    | 08/07/2021        | D(2021)4569-DC  |

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| Substance name<br>expand / collapse                                                                                                                                                                          | EC No.    | CAS No.     | Date of<br>inclusion | Decision                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|----------------------|----------------------------|
| 4,4'-(1-methylpropylidene)bisphenol                                                                                                                                                                          | 201-025-1 | 77-40-7     | 08/07/2021           | D(2021)4569-DC             |
| 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers                                                                                                                                       | -         | -           | 08/07/2021           | D(2021)4569-DC.pdf         |
| (2R)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: -   CAS No.: 75166-31-3                                                                                                                                 | -         | -           | 08/07/2021           | D(2021)4569-DC             |
| 2-(4-tert-butylbenzyl)propionaldehyde EC No.: 201-289-8   CAS No.: 80-54-6                                                                                                                                   | 204-661-8 | 123-91-1    | 08/07/2021           | D(2021)4569-DC             |
| Diocetyl tin 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 | -         | -           | 19/01/2021           | D(2020)9139-DC             |
| diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: -   CAS No.: -                                                                                                                 | -         | -           | -                    | -                          |
| Diocetyl tin dilaurate EC No.: 222-883-3   CAS No.: 3648-18-8                                                                                                                                                | -         | -           | -                    | -                          |
| Stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: 293-901-5   CAS No.: 91648-39-4                                                                                                                        | -         | -           | -                    | -                          |
| diocetyl tin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. EC No.: -   CAS No.: -                                                                                                                 | 205-594-7 | 143-24-8    | 19/01/2021           | D(2020)9139-DC             |
| Dibutylbis(pentane-2,4-dionato-O,O')tin                                                                                                                                                                      | 245-152-0 | 22673-19-4  | 25/06/2020           | D(2020)4578-DC             |
| Butyl 4-hydroxybenzoate                                                                                                                                                                                      | 202-318-7 | 94-26-8     | 25/06/2020           | D(2020)4578-DC             |
| 2-methylimidazole                                                                                                                                                                                            | 211-765-7 | 693-98-1    | 25/06/2020           | D(2020)4578-DC             |
| 1-vinylimidazole                                                                                                                                                                                             | 214-012-0 | 1072-63-5   | 25/06/2020           | D(2020)4578-DC             |
| Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                                           | -         | -           | 16/01/2020           | ECHA_01_2020.pdf           |
| Diisohexyl phthalate                                                                                                                                                                                         | 276-090-2 | 71850-09-4  | 16/01/2020           | ECHA_01_2020.pdf           |
| 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                                                                     | 400-600-6 | 71868-10-5  | 16/01/2020           | ECHA_01_2020.pdf           |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                                                                          | 404-360-3 | 119313-12-1 | 16/01/2020           | ECHA_01_2020.pdf           |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)                                                                                       | -         | -           | 16/07/2019           | ED/71/2019                 |
| Tris(nonylphenyl) phosphite EC No.: 247-759-6   CAS No.: 26523-78-4                                                                                                                                          | -         | -           | -                    | -                          |
| tris(4-nonylphenyl, branched) phosphite EC No.: 701-028-2   CAS No.: -                                                                                                                                       | -         | -           | -                    | -                          |
| Phenol, 4-nonyl-, phosphite (3:1) EC No.: 608-492-4   CAS No.: 3050-88-2                                                                                                                                     | -         | -           | -                    | -                          |
| 4-tert-butylphenol                                                                                                                                                                                           | 202-679-0 | 98-54-4     | 16/07/2019           | ED/71/2019<br>EU/2019/1194 |
| 2-methoxyethyl acetate                                                                                                                                                                                       | 203-772-9 | 110-49-6    | 16/07/2019           | ED/71/2019                 |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof                                                   | -         | -           | 16/07/2019           | ED/71/2019                 |
| Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate EC No.: 266-578-3   CAS No.: 67118-55-2                                                                                                       | -         | -           | -                    | -                          |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride EC No.: 218-173-8   CAS No.: 2062-98-8                                                                                                          | -         | -           | -                    | -                          |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid EC No.: 236-236-8   CAS No.: 13252-13-6                                                                                                             | -         | -           | -                    | -                          |
| Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate EC No.: 700-242-3   CAS No.: 62037-80-3                                                                                                        | -         | -           | -                    | -                          |
| Pyrene                                                                                                                                                                                                       | 204-927-3 | 129-00-0    | 15/01/2019           | ED/88/2018                 |
| Phenanthrene                                                                                                                                                                                                 | 201-581-5 | 1985-01-08  | 15/01/2019           | ED/88/2018                 |
| Fluoranthene                                                                                                                                                                                                 | 205-912-4 | 206-44-0    | 15/01/2019           | ED/88/2018                 |
| Benzo[k]fluoranthene                                                                                                                                                                                         | 205-916-6 | 207-08-9    | 15/01/2019           | ED/88/2018                 |
| 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                                                    | 401-720-1 | 6807-17-6   | 15/01/2019           | ED/88/2018                 |
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                                                                | 239-139-9 | 15087-24-8  | 15/01/2019           | ED/88/2018                 |
| 3-benzylidene camphor; 3-BC                                                                                                                                                                                  | -         | -           | -                    | EU/2018/2013               |
| Terphenyl, hydrogenated                                                                                                                                                                                      | 262-967-7 | 61788-32-7  | 27/06/2018           | ED/61/2018                 |
| Octamethylcyclotetrasiloxane D4                                                                                                                                                                              | 209-136-7 | 556-67-2    | 27/06/2018           | ED/61/2018                 |
| Lead                                                                                                                                                                                                         | 231-100-4 | 7439-92-1   | 27/06/2018           | ED/61/2018                 |
| Ethylenediamine EDA                                                                                                                                                                                          | 203-468-6 | 107-15-3    | 27/06/2018           | ED/61/2018                 |
| Dodecamethylcyclohexasiloxane D6                                                                                                                                                                             | 208-762-8 | 540-97-6    | 27/06/2018           | ED/61/2018                 |
| Disodium octaborate                                                                                                                                                                                          | 234-541-0 | 12008-41-2  | 27/06/2018           | ED/61/2018                 |
| Dicyclohexyl phthalate DCHP                                                                                                                                                                                  | 201-545-9 | 84-61-7     | 27/06/2018           | EU/2018/636<br>ED/61/2018  |
| Decamethylcyclopentasiloxane D5                                                                                                                                                                              | 208-764-9 | 541-02-6    | 27/06/2018           | ED/61/2018                 |
| Benzo[ghi]perylene                                                                                                                                                                                           | 205-883-8 | 191-24-2    | 27/06/2018           | ED/61/2018                 |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA                                                                                                                                    | 209-008-0 | 552-30-7    | 27/06/2018           | ED/61/2018<br>EU/2018/594  |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)                                                                                        | -         | -           | 15/01/2018           | ED/01/2018                 |
| with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)                                                                                                                                                  | -         | -           | -                    | -                          |
| Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. EC No.: 939-460-0   CAS No.: -                                                                               | -         | -           | -                    | -                          |
| Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine EC No.: 300-298-5   CAS No.: 93925-00-9                                                                | -         | -           | -                    | -                          |
| Chrysene                                                                                                                                                                                                     | 205-923-4 | 218-01-9    | 15/01/2018           | ED/01/2018                 |

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| Substance name<br>expand / collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EC No.    | CAS No.    | Date of<br>inclusion | Decision                               |
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| Cadmium nitrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 233-710-6 | 10325-94-7 | 15/01/2018           | ED/01/2018                             |
| Cadmium hydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 244-168-5 | 21041-95-2 | 15/01/2018           | ED/01/2018                             |
| Cadmium carbonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 208-168-9 | 513-78-0   | 15/01/2018           | ED/01/2018                             |
| Benz[a]anthracene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200-280-6 | 56-55-3    | 15/01/2018           | ED/01/2018                             |
| 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")<br>covering any of its individual anti- and syn-isomers or any combination thereof<br>1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene EC No.: 236-948-9   CAS No.: 13560-89-9<br>rel-(1R,4S,4aS,6aS,7S,10R,10aR,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene EC No.: -   CAS No.: -<br>rel-(1R,4S,4aS,6aR,7R,10S,10aS,12aR)-1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-1,4:7,10-dimethanodibenzo[a,e]cyclooctene EC No.: -   CAS No.: -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -         | -          | 15/01/2018           | ED/01/2018                             |
| Perfluorohexane-1-sulphonic acid and its salts<br>PFHxS<br>Potassium perfluorohexane-1-sulphonate EC No.: 223-393-2   CAS No.: 3871-99-6<br>Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) EC No.: 274-462-9   CAS No.: 70225-16-0<br>Perfluorohexane-1-sulphonic acid EC No.: 206-587-1   CAS No.: 355-46-4<br>Ammonium perfluorohexane-1-sulphonate EC No.: 269-511-6   CAS No.: 68259-08-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -         | -          | 07/07/2017           | ED/30/2017                             |
| p-(1,1-dimethylpropyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 201-280-9 | 80-46-6    | 12/01/2017           | ED/01/2017                             |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts<br>Ammonium nonadecafluorodecanoate EC No.: 221-470-5   CAS No.: 3108-42-7<br>Nonadecafluorodecanoic acid EC No.: 206-400-3   CAS No.: 335-76-2<br>Decanoic acid, nonadecafluoro-, sodium salt EC No.: -   CAS No.: 3830-45-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -         | -          | 12/01/2017           | ED/01/2017                             |
| 4-heptylphenol, branched and linear<br>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<br>Phenol, heptyl derivs. EC No.: 276-743-1   CAS No.: 72624-02-3<br>4-heptylphenol EC No.: 217-862-0   CAS No.: 1987-50-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -         | -          | 12/01/2017           | ED/01/2017                             |
| 4,4'-isopropylidenediphenol<br>Bisphenol A; BPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 201-245-8 | 1980-05-07 | 12/01/2017           | ED/30/2017<br>ED/01/2017<br>ED 01/2018 |
| Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 200-028-5 | 50-32-8    | 20/06/2016           | ED/21/2016                             |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts<br>Ammonium salts of perfluorononan-1-oic-acid EC No.: -   CAS No.: -, 4149-60-4<br>Perfluorononan-1-oic-acid EC No.: 206-801-3   CAS No.: 375-95-1<br>Sodium salts of perfluorononan-1-oic-acid EC No.: -   CAS No.: -, 21049-39-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -         | -          | 17/12/2015           | ED/79/2015                             |
| Nitrobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 202-716-0 | 98-95-3    | 17/12/2015           | ED/79/2015                             |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 253-037-1 | 36437-37-3 | 17/12/2015           | ED/79/2015                             |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 223-383-8 | 3864-99-1  | 17/12/2015           | ED/79/2015                             |
| 1,3-propanesultone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 214-317-9 | 1120-71-4  | 17/12/2015           | ED/79/2015                             |
| 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]<br>covering any of the individual stereoisomers of [1] and [2] or any combination thereof<br>1,3-Dioxane, 2-(2,4-dimethyl-3-cyclohexene-1-yl)-5-methyl-5-(1-methylpropyl)- EC No.: 413-720-9   CAS No.: 117933-89-8<br>Reaction mass of 5-[(2R)-butan-2-yl]-2-[(1R,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1R,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2R)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2R)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane and 5-[(2S)-butan-2-yl]-2-[(1S,2S)-2,4-dimethylcyclohex-3-en-1-yl]-5-methyl-1,3-dioxane EC No.: 700-927-7   CAS No.: -<br>2-(2,4-Dimethylcyclohex-3-ene-1-yl)-5-methyl-(1-methylpropyl)-1,3-dioxane EC No.: 601-499-3   CAS No.: 117933-89-8<br>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: -   CAS No.: -<br>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane EC No.: -   CAS No.: - | -         | -          | 15/06/2015           | ED/39/2015                             |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)<br>1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters EC No.: 272-013-1   CAS No.: 68648-93-1<br>1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters EC No.: 271-094-0   CAS No.: 68515-51-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -         | -          | 15/06/2015           | ED/39/2015                             |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -         | -          | 17/12/2014           | ED/108/2014                            |



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| Substance name<br>expand / collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EC No.    | CAS No.     | Date of<br>inclusion | Decision    |
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| Sulfurous acid, lead salt, dibasic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 263-467-1 | 62229-08-7  | 19/12/2012           | ED/169/2012 |
| Silicic acid, lead salt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 234-363-3 | 11120-22-2  | 19/12/2012           | ED/169/2012 |
| Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped<br>with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction'<br>Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead<br>compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 272-271-5 | 68784-75-8  | 19/12/2012           | ED/169/2012 |
| Pyrochlore, antimony lead yellow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 232-382-1 | 8012-00-8   | 19/12/2012           | ED/169/2012 |
| Pentalead tetraoxide sulphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 235-067-7 | 12065-90-6  | 19/12/2012           | ED/169/2012 |
| Pentacosafuorotridecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 276-745-2 | 72629-94-8  | 19/12/2012           | ED/169/2012 |
| Orange lead (lead tetroxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 215-235-6 | 1314-41-6   | 19/12/2012           | ED/169/2012 |
| o-toluidine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 202-429-0 | 95-53-4     | 19/12/2012           | ED/169/2012 |
| o-aminoazotoluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 202-591-2 | 97-56-3     | 19/12/2012           | ED/169/2012 |
| n-pentyl-isopentylphthalate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 933-378-9 | 776297-69-9 | 19/12/2012           | ED/169/2012 |
| N-methylacetamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 201-182-6 | 79-16-3     | 19/12/2012           | ED/169/2012 |
| N,N-dimethylformamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 200-679-5 | 1968-12-02  | 19/12/2012           | ED/169/2012 |
| Methyloxirane (Propylene oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200-879-2 | 75-56-9     | 19/12/2012           | ED/169/2012 |
| Methoxyacetic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 210-894-6 | 625-45-6    | 19/12/2012           | ED/169/2012 |
| Lead titanium zirconium oxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 235-727-4 | 12626-81-2  | 19/12/2012           | ED/169/2012 |
| Lead titanium trioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 235-038-9 | 12060-00-3  | 19/12/2012           | ED/169/2012 |
| Lead oxide sulfate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 234-853-7 | 12036-76-9  | 19/12/2012           | ED/169/2012 |
| Lead monoxide (lead oxide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 215-267-0 | 1317-36-8   | 19/12/2012           | ED/169/2012 |
| Lead dinitrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 233-245-9 | 10099-74-8  | 19/12/2012           | ED/169/2012 |
| Lead cyanamidate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 244-073-9 | 20837-86-9  | 19/12/2012           | ED/169/2012 |
| Lead bis(tetrafluoroborate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 237-486-0 | 13814-96-5  | 19/12/2012           | ED/169/2012 |
| Hexahydromethylphthalic anhydride<br>including cis- and trans- stereo isomeric forms and all possible combinations of the isomers<br>Hexahydro-1-methylphthalic anhydride EC No.: 256-356-4   CAS No.: 48122-14-1<br>Hexahydromethylphthalic anhydride EC No.: 247-094-1   CAS No.: 25550-51-0<br>Hexahydro-4-methylphthalic anhydride EC No.: 243-072-0   CAS No.: 19438-60-9<br>Hexahydro-3-methylphthalic anhydride EC No.: 260-566-1   CAS No.: 57110-29-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -         | -           | 19/12/2012           | ED/169/2012 |
| Heptacosafuorotetradecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 206-803-4 | 376-06-7    | 19/12/2012           | ED/169/2012 |
| Henicosafuoroundecanoic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 218-165-4 | 2058-94-8   | 19/12/2012           | ED/169/2012 |
| Furan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 203-727-3 | 110-00-9    | 19/12/2012           | ED/169/2012 |
| Fatty acids, C16-18, lead salts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 292-966-7 | 91031-62-8  | 19/12/2012           | ED/169/2012 |
| Dioxobis(stearato)trilead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 235-702-8 | 12578-12-0  | 19/12/2012           | ED/169/2012 |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 201-861-7 | 88-85-7     | 19/12/2012           | ED/169/2012 |
| Dimethyl sulphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 201-058-1 | 77-78-1     | 19/12/2012           | ED/169/2012 |
| Diisopentyl phthalate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 210-088-4 | 605-50-5    | 19/12/2012           | ED/169/2012 |
| Diethyl sulphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 200-589-6 | 64-67-5     | 19/12/2012           | ED/169/2012 |
| Dibutyltin dichloride (DBTC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 211-670-0 | 683-18-1    | 19/12/2012           | ED/169/2012 |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 204-650-8 | 123-77-3    | 19/12/2012           | ED/169/2012 |
| Cyclohexane-1,2-dicarboxylic anhydride<br>all possible combinations of the cis- and trans-isomers<br>cis-cyclohexane-1,2-dicarboxylic anhydride EC No.: 236-086-3   CAS No.: 13149-00-3<br>Cyclohexane-1,2-dicarboxylic anhydride EC No.: 201-604-9   CAS No.: 85-42-7<br>trans-cyclohexane-1,2-dicarboxylic anhydride EC No.: 238-009-9   CAS No.: 14166-21-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -         | -           | 19/12/2012           | ED/169/2012 |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 214-604-9 | 1163-19-5   | 19/12/2012           | ED/169/2012 |
| Biphenyl-4-ylamine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 202-177-1 | 92-67-1     | 19/12/2012           | ED/169/2012 |
| Acetic acid, lead salt, basic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 257-175-3 | 51404-69-4  | 19/12/2012           | ED/169/2012 |
| [Phthalato(2-)]dioxotrilead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 273-688-5 | 69011-06-9  | 19/12/2012           | ED/169/2012 |
| 6-methoxy-m-toluidine (p-cresidine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 204-419-1 | 120-71-8    | 19/12/2012           | ED/169/2012 |
| 4-Nonylphenol, branched and linear<br>substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound<br>in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the<br>individual isomers or a combination thereof<br>p-nonylphenol EC No.: 203-199-4   CAS No.: 104-40-5<br>p-isononylphenol EC No.: 247-770-6   CAS No.: 26543-97-5<br>4-(1-Ethyl-1,4-Dimethylpentyl)Phenol EC No.: 635-391-2   CAS No.: 142731-63-3<br>4-(1-Ethyl-1,3-Dimethylpentyl)Phenol EC No.: 635-389-1   CAS No.: 186825-36-5<br>p-(1,1-dimethylheptyl)phenol EC No.: 250-339-5   CAS No.: 30784-30-6<br>Phenol, 4-nonyl-, branched EC No.: 284-325-5   CAS No.: 84852-15-3<br>p-(1-methyloctyl)phenol EC No.: 241-427-4   CAS No.: 17404-66-9<br>4-(1-ethyl-1-methylhexyl)phenol EC No.: 257-907-1   CAS No.: 52427-13-1<br>4-(3-ethylheptan-2-yl)phenol EC No.: 635-696-0   CAS No.: 186825-39-8<br>4-(1,1,5-Trimethylhexyl)phenol EC No.: 635-388-6   CAS No.: 521947-27-3<br>Isononylphenol EC No.: 234-284-4   CAS No.: 11066-49-2<br>Nonylphenol EC No.: 246-672-0   CAS No.: 25154-52-3<br>Phenol, nonyl-, branched EC No.: 291-844-0   CAS No.: 90481-04-2 | -         | -           | 19/12/2012           | ED/169/2012 |

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| Substance name<br>expand / collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EC No.    | CAS No.     | Date of<br>inclusion | Decision                 |
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| 4-methyl-m-phenylenediamine (toluene-2,4-diamine)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 202-453-1 | 95-80-7     | 19/12/2012           | ED/169/2012              |
| 4-aminoazobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 200-453-6 | 1960-09-03  | 19/12/2012           | ED/169/2012              |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated<br>covering well-defined substances and UVCB substances, polymers and homologues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -         | -           | 19/12/2012           | ED/169/2012              |
| 2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethanol EC No.: 618-344-0   CAS No.: 9002-93-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |             |                      |                          |
| 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol EC No.: 219-682-8   CAS No.: 2497-59-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |             |                      |                          |
| 2-[[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethan-1-ol EC No.: 621-345-9   CAS No.: 2315-67-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |             |                      |                          |
| 2-[2-[4-(2,4,4-trimethylpentan-2-yl)phenoxy]ethoxy]ethanol EC No.: 621-341-7   CAS No.: 2315-61-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |             |                      |                          |
| 4,4'-oxydianiline and its salts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -         | -           | 19/12/2012           | ED/169/2012              |
| 4,4'-oxydianiline EC No.: 202-977-0   CAS No.: 101-80-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |             |                      |                          |
| 4,4'-methylenedi-o-toluidine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 212-658-8 | 838-88-0    | 19/12/2012           | ED/169/2012              |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 421-150-7 | 143860-04-2 | 19/12/2012           | ED/169/2012              |
| 1-bromopropane (n-propyl bromide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 203-445-0 | 106-94-5    | 19/12/2012           | ED/169/2012              |
| 1,2-diethoxyethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 211-076-1 | 629-14-1    | 19/12/2012           | ED/169/2012              |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 284-032-2 | 84777-06-0  | 19/12/2012           | ED/169/2012              |
| α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)<br>with ≥ 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   | 18/06/2012           | ED/87/2012               |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 202-959-2 | 101-61-1    | 18/06/2012           | ED/87/2012               |
| Lead(II) bis(methanesulfonate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 401-750-5 | 17570-76-2  | 18/06/2012           | ED/87/2012               |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |             |                      |                          |
| Formamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200-842-0 | 1975-12-07  | 18/06/2012           | ED/87/2012               |
| Diboron trioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 215-125-8 | 1303-86-2   | 18/06/2012           | ED/87/2012               |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)<br>with ≥ 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   | 18/06/2012           | ED/87/2012               |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)<br>with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 208-953-6 | 548-62-9    | 18/06/2012           | ED/87/2012               |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 202-027-5 | 90-94-8     | 18/06/2012           | ED/87/2012               |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol<br>with ≥ 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    | 18/06/2012           | ED/87/2012               |
| 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  | 18/06/2012           | ED/87/2012               |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |             |                      |                          |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 219-514-3 | 2451-62-9   | 18/06/2012           | ED/87/2012               |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 203-977-3 | 112-49-2    | 18/06/2012           | ED/87/2012               |
| 1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 203-794-9 | 110-71-4    | 18/06/2012           | ED/87/2012               |
| Zirconia Aluminosilicate Refractory Ceramic Fibres<br>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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight<br>Aluminosilicate refractory ceramic fibres EC No.: 604-314-4   CAS No.: 142844-00-6 | -         | -           | 19/12/2011           | ED/77/2011<br>ED/95/2012 |
| Trilead diarsenate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 222-979-5 | 3687-31-8   | 19/12/2011           | ED/77/2011               |
| Potassium hydroxyoctaoxodizincatedichromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 234-329-8 | 11103-86-9  | 19/12/2011           | ED/77/2011               |
| Phenolphthalein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 201-004-7 | 1977-09-08  | 19/12/2011           | ED/77/2011               |
| Pentazinc chromate octahydroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 256-418-0 | 49663-84-5  | 19/12/2011           | ED/77/2011               |
| N,N-dimethylacetamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 204-826-4 | 127-19-5    | 19/12/2011           | ED/77/2011               |
| Lead styphnate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 239-290-0 | 15245-44-0  | 19/12/2011           | ED/77/2011               |
| Lead dipicrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 229-335-2 | 6477-64-1   | 19/12/2011           | ED/77/2011               |
| Lead diazide, Lead azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 236-542-1 | 13424-46-9  | 19/12/2011           | ED/77/2011               |
| Formaldehyde, oligomeric reaction products with aniline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 500-036-1 | 25214-70-4  | 19/12/2011           | ED/77/2011               |
| Dichromium tris(chromate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 246-356-2 | 24613-89-6  | 19/12/2011           | ED/77/2011               |
| Calcium arsenate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 231-904-5 | 7778-44-1   | 19/12/2011           | ED/77/2011               |
| Bis(2-methoxyethyl) phthalate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 204-212-6 | 117-82-8    | 19/12/2011           | ED/77/2011               |
| Bis(2-methoxyethyl) ether                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 203-924-4 | 111-96-6    | 19/12/2011           | ED/77/2011               |
| Arsenic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 231-901-9 | 7778-39-4   | 19/12/2011           | ED/77/2011               |



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| Substance name<br>expand / collapse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | EC No.    | CAS No.                                | Date of<br>inclusion | Decision                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|----------------------|------------------------------------------|
| Aluminosilicate Refractory Ceramic Fibres<br>are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC)<br>No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on<br>classification, labelling and packaging of substances and mixtures, and fulfil the three following<br>conditions: a) oxides of aluminium and silicon are the main components present (in the fibres)<br>within variable concentration ranges b) fibres have a length weighted geometric mean diameter<br>less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth<br>oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight | -         | -                                      | 19/12/2011           | ED/77/2011<br>ED/95/2012                 |
| 4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 205-426-2 | 140-66-9                               | 19/12/2011           | ED/77/2011                               |
| 2-Methoxyaniline, o-Anisidine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 201-963-1 | 90-04-0                                | 19/12/2011           | ED/77/2011                               |
| 2,2'-dichloro-4,4'-methylenedianiline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 202-918-9 | 101-14-4                               | 19/12/2011           | ED/77/2011                               |
| 1,2-dichloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 203-458-1 | 107-06-2                               | 19/12/2011           | ED/77/2011                               |
| Strontium chromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 232-142-6 | 7789-06-02                             | 20/06/2011           | ED/31/2011                               |
| Hydrazine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 206-114-9 | 302-01-2,<br>7803-57-8                 | 20/06/2011           | ED/31/2011                               |
| 2-ethoxyethyl acetate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 203-839-2 | 111-15-9                               | 20/06/2011           | ED/31/2011                               |
| 1-Methyl-2-pyrrolidone (NMP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 212-828-1 | 872-50-4                               | 20/06/2011           | ED/31/2011                               |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 271-084-6 | 68515-42-4                             | 20/06/2011           | ED/31/2011                               |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 276-158-1 | 71888-89-6                             | 20/06/2011           | ED/31/2011                               |
| 1,2,3-trichloropropane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 202-486-1 | 96-18-4                                | 20/06/2011           | ED/31/2011                               |
| Cobalt(II) sulphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 233-334-2 | 10124-43-3                             | 15/12/2010           | ED/95/2010                               |
| Cobalt(II) dinitrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 233-402-1 | 10141-05-6                             | 15/12/2010           | ED/95/2010                               |
| Cobalt(II) diacetate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 200-755-8 | 71-48-7                                | 15/12/2010           | ED/95/2010                               |
| Cobalt(II) carbonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 208-169-4 | 513-79-1                               | 15/12/2010           | ED/95/2010                               |
| Chromium trioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 215-607-8 | 1333-82-0                              | 15/12/2010           | ED/95/2010                               |
| Acids generated from chromium trioxide and their oligomers<br>Chromic acid EC No.: 231-801-5   CAS No.: 7738-94-5<br>Oligomers of chromic acid and dichromic acid EC No.: -   CAS No.: -<br>Dichromic acid EC No.: 236-881-5   CAS No.: 13530-68-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -         | -                                      | 15/12/2010           | ED/95/2010                               |
| 2-methoxyethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 203-713-7 | 109-86-4                               | 15/12/2010           | ED/95/2010                               |
| 2-ethoxyethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 203-804-1 | 110-80-5                               | 15/12/2010           | ED/95/2010                               |
| Trichloroethylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 201-167-4 | 1979-01-06                             | 18/06/2010           | ED/30/2010                               |
| Tetraboron disodium heptaoxide, hydrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 235-541-3 | 12267-73-1                             | 18/06/2010           | ED/30/2010                               |
| Sodium chromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 231-889-5 | 7775-11-03                             | 18/06/2010           | ED/30/2010                               |
| Potassium dichromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 231-906-6 | 7778-50-9                              | 18/06/2010           | ED/30/2010                               |
| Potassium chromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 232-140-5 | 7789-00-6                              | 18/06/2010           | ED/30/2010                               |
| Disodium tetraborate, anhydrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 215-540-4 | 12179-04-3,<br>1303-96-4,<br>1330-43-4 | 18/06/2010           | ED/30/2010                               |
| Boric acid<br>EC No. 233-139-2 and EC No. 234-343-4<br>Boric acid, crude natural EC No.: 234-343-4   CAS No.: 11113-50-1<br>Boric acid EC No.: 233-139-2   CAS No.: 10043-35-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -         | -                                      | 18/06/2010           | ED/30/2010                               |
| Ammonium dichromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 232-143-1 | 7789-09-05                             | 18/06/2010           | ED/30/2010                               |
| Acrylamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 201-173-7 | 1979-06-01                             | 30/03/2010           | ED/68/2009                               |
| Tris(2-chloroethyl) phosphate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 204-118-5 | 115-96-8                               | 13/01/2010           | ED/68/2009                               |
| Pitch, coal tar, high-temp.<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 266-028-2 | 65996-93-2                             | 13/01/2010           | ED/68/2009                               |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34)<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 215-693-7 | 1344-37-2                              | 13/01/2010           | ED/68/2009                               |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104)<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 235-759-9 | 12656-85-8                             | 13/01/2010           | ED/68/2009                               |
| Lead chromate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 231-846-0 | 7758-97-6                              | 13/01/2010           | ED/68/2009                               |
| Diisobutyl phthalate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 201-553-2 | 84-69-5                                | 13/01/2010           | EU/2017/4462<br>ED/30/2017<br>ED/68/2009 |
| Anthracene oil, anthracene-low<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 292-604-8 | 90640-82-7                             | 13/01/2010           | ED/68/2009                               |
| Anthracene oil, anthracene paste, distn. lights<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 295-278-5 | 91995-17-4                             | 13/01/2010           | ED/68/2009                               |
| Anthracene oil, anthracene paste, anthracene fraction<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 295-275-9 | 91995-15-2                             | 13/01/2010           | ED/68/2009                               |
| Anthracene oil, anthracene paste<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 292-603-2 | 90640-81-6                             | 13/01/2010           | ED/68/2009                               |
| Anthracene oil<br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 292-602-7 | 90640-80-5                             | 13/01/2010           | ED/68/2009                               |

| Issued by                                                                   | Category | Related Model | Rev.      | Date(yy/mm/dd)           | Page 10 / 10         |
|-----------------------------------------------------------------------------|----------|---------------|-----------|--------------------------|----------------------|
| Jinsol Kim                                                                  | REACH    | LSUC & LSUM   | A         | 24/02/07                 |                      |
| Substance name<br>expand / collapse                                         |          |               | EC No.    | CAS No.                  | Date of<br>inclusion |
| 2,4-dinitrotoluene                                                          |          |               | 204-450-0 | 121-14-2                 | 13/01/2010           |
| Triethyl arsenate                                                           |          |               | 427-700-2 | 15606-95-8               | 28/10/2008           |
| -                                                                           |          |               |           |                          | ED/67/2008           |
| Sodium dichromate                                                           |          |               | 234-190-3 | 10588-01-9,<br>7789-12-0 | 28/10/2008           |
| Lead hydrogen arsenate                                                      |          |               | 232-064-2 | 7784-40-9                | 28/10/2008           |
| Hexabromocyclododecane (HBCDD)<br>and all major diastereoisomers identified |          |               | -         | -                        | 28/10/2008           |
| 1,2,5,6,9,10-hexabromocyclododecane EC No.: 221-695-9   CAS No.: 3194-55-6  |          |               |           |                          | ED/67/2008           |
| Hexabromocyclododecane EC No.: 247-148-4   CAS No.: 25637-99-4              |          |               |           |                          |                      |
| alpha-hexabromocyclododecane EC No.: -   CAS No.: 134237-50-6               |          |               |           |                          |                      |
| beta-hexabromocyclododecane EC No.: -   CAS No.: 134237-51-7                |          |               |           |                          |                      |
| gamma-hexabromocyclododecane EC No.: -   CAS No.: 134237-52-8               |          |               |           |                          |                      |
| Dibutyl phthalate (DBP)                                                     |          |               | 201-557-4 | 84-74-2                  | 28/10/2008           |
|                                                                             |          |               |           |                          | EU/2017/4462         |
|                                                                             |          |               |           |                          | ED/30/2017           |
|                                                                             |          |               |           |                          | ED/67/2008           |
| Diarsenic trioxide                                                          |          |               | 215-481-4 | 1327-53-3                | 28/10/2008           |
| Diarsenic pentaoxide                                                        |          |               | 215-116-9 | 1303-28-2                | 28/10/2008           |
| Cobalt dichloride                                                           |          |               | 231-589-4 | 7646-79-9                | 28/10/2008           |
|                                                                             |          |               |           |                          | ED/31/2011           |
|                                                                             |          |               |           |                          | ED/67/2008           |
| Bis(tributyltin) oxide (TBTO)                                               |          |               | 200-268-0 | 56-35-9                  | 28/10/2008           |
| Bis (2-ethylhexyl)phthalate (DEHP)                                          |          |               | 204-211-0 | 117-81-7                 | 28/10/2008           |
|                                                                             |          |               |           |                          | EU/2017/4462         |
|                                                                             |          |               |           |                          | ED/108/2014          |
|                                                                             |          |               |           |                          | ED/30/2017           |
|                                                                             |          |               |           |                          | ED/67/2008           |
| Benzyl butyl phthalate (BBP)                                                |          |               | 201-622-7 | 85-68-7                  | 28/10/2008           |
|                                                                             |          |               |           |                          | EU/2017/4462         |
|                                                                             |          |               |           |                          | ED/30/2017           |
|                                                                             |          |               |           |                          | ED/67/2008           |
| Anthracene                                                                  |          |               | 204-371-1 | 120-12-7                 | 28/10/2008           |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                 |          |               | 287-476-5 | 85535-84-8               | 28/10/2008           |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)                          |          |               | 201-329-4 | 81-15-2                  | 28/10/2008           |
| 4,4'- Diaminodiphenylmethane (MDA)                                          |          |               | 202-974-4 | 101-77-9                 | 28/10/2008           |
|                                                                             |          |               |           |                          | ED/67/2008           |