


## Status of REACH Substance Listing / Status der REACH-Liste von Substanzen

|   |   |
|---|---|
| COMPANY NAME / Name des Unternehmens    | KUBE Electronics AG   |
| CONTACT PERSON / Ansprechpartner        | M. Müller-Ferrando  |
| TEL / Tel                               | +41 43 928 05 50  |
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| DATE - SIGNATURE / Datum - Unterschrift | 19.08.2019.  |

Do you expect any SVHC's in the products you supply to us? If yes, Please send us the detailed following declaration. In both cases we expect, that you are in contact with your sub-supplier, to provide us asap with information about SVHC's. This would be also a part of our order requirements.

Erwarten Sie irgendwelche SVHC's in den an uns gelieferten Produkten? Wenn ja, senden Sie uns bitte die folgende detaillierte Erklärung. In beiden Fällen erwarten wir, dass Sie in Kontakt mit Ihren Unterlieferanten sind, um uns unverzüglich über SVHC's zu informieren. Dies ist ein Teil unserer Bestellanforderungen.

|                          |                                     |                        |   |
|--------------------------|-------------------------------------|------------------------|---|
| Yes / Ja                 | No / Nein                           | Comments / Kommentare: | No security datasheet (SDS) required.<br>See also <a href="http://www.kube.ch/quality/index.php">http://www.kube.ch/quality/index.php</a> (section PIR Films) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> |                        |   |

|  |                                    |
|--|------------------------------------|
| PRODUCT NAME / PRODUCT GROUP (Please copy table for more products / product groups)<br>PRODUKTNAME / PRODUKTGRUPPE (Bitte kopieren Sie die Tabelle für alle weiteren Produkte) | KUBE PIR Transmissive Window Films |
|--|------------------------------------|

Do supplied articles contain the following substance in concentration > 0.1% weight per supplied article, substance or preparation weight? (Check Yes or No) Please provide us with details on safe use and handling in separate documents. For more info on EC Numbering, please check on <http://ecb.jrc.ec.europa.eu/esis/>

Enthalten die gelieferten Artikel folgende Substanzen in Konzentrationen > 0.1% Gewichtsprozent pro geliefertem Artikel, Substanz oder Präparation? (Bitte Ja oder Nein prüfen) Stellen Sie uns bitte Informationen in einem separaten Dokument (SUI) für sichere Verwendung und Anwendung zur Verfügung. Weitere Informationen zur EC- oder CAS-Nummer finden Sie auf <http://ecb.jrc.ec.europa.eu/esis/>

| Substance Name  | EC Number (CAS Number)  | Yes                      | No                                  | Document on safe use included | % w/w |
|---|-------------------------|--------------------------|-------------------------------------|-------------------------------|-------|
| <b>SUBSTANCES ON TWENTY SECOND PUBLICATION OF CANDIDATE LIST DD 16/07/2019</b>  |                         |                          |                                     |                               |       |
| 2-methoxyethyl acetate  | 203-772-9<br>(110-49-6) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>      |       |
| Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)                                       | -<br>(-)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>      |       |
| 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | -<br>(-)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>      |       |
| 4-tert-butylphenol  | 202-679-0<br>(98-54-4)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>      |       |

- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>  | <b>EC Number<br/>(CAS<br/>Number)</b> | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|--|---------------------------------------|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCES ON TWENTY FIRST PUBLICATION OF CANDIDATE LIST DD 15/01/2019</b>                |                                       |                          |                                     |  |                  |
| 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one<br>3-benzylidene camphor: 3-BC | 239-139-9<br>(15087-24-8)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2,2-Bis(4'-hydroxyphenyl)-4-methylpentan   | 401-720-1<br>(6807-17-6)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Benzo[k]fluoranthren   | 205-916-6<br>(207-08-9)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Fluoranthene   | 205-912-4<br>(206-44-0)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Phenanthren  | 201-581-5<br>(85-01-8)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Pyrene   | 204-927-3<br>(129-00-0)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON TWENTIETH PUBLICATION OF CANDIDATE LIST DD 27/06/2018</b>                   |                                       |                          |                                     |  |                  |
| Benzene-1,2,4-tricarboxylic acid 1,2 anhydride<br>trimellitic anhydride; TMA                 | 209-008-0<br>(552-30-7)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Benzo[ghi]perylene   | 205-883-8<br>(191-24-2)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Decamethylcyclopentasiloxane<br>D5   | 208-764-9<br>(541-02-6)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dicyclohexyl phthalate<br>DCHP   | 201-545-9<br>(84-61-7)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Disodium octaborate  | 234-541-0<br>(12008-41-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dodecamethylcyclohexasiloxane<br>D6  | 208-762-8<br>(540-97-6)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Ethylenediamine<br>EDA   | 203-468-6<br>(107-15-3)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead   | 231-100-4<br>(7439-92-1)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Octamethylcyclotetrasiloxane<br>D4   | 209-136-7<br>(556-67-2)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Terphenyl, hydrogenated  | 262-967-7<br>(61788-32-7)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

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|--|---|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCES ON NINETEENTH PUBLICATION OF CANDIDATE LIST DD 15/01/2018</b>  |   |                          |                                     |  |                  |
| Benz[a]anthracene  | 200-280-6<br>(56-55-3, 1718-53-2)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium carbonate  | 208-168-9<br>(513-78-0)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium hydroxide  | 244-168-5<br>(21041-95-2)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium nitrate  | 233-710-6<br>(10022-68-1, 10325-94-7)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Chrysene   | 205-923-4<br>(218-01-9, 1719-03-5)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)  | -   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)  | -   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON EIGHTEENTH PUBLICATION OF CANDIDATE LIST DD 07/07/2017</b>  |   |                          |                                     |  |                  |
| Perfluorohexane-1-sulphonic acid and its salts<br>PFHxS  | -   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON SEVENTEENTH PUBLICATION OF CANDIDATE LIST DD 12/01/2017</b>   |   |                          |                                     |  |                  |
| 4,4'-isopropylidenediphenol  | 201-245-8<br>(80-05-7)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4-Heptylphenol, branched and linear  | -   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts<br>Nonadecafluorodecanoic acid EC no.: 206-400-3   CAS no.: 335-76-2<br>Ammonium nonadecafluorodecanoate EC no.: 221-470-5   CAS no.: 3108-42-7<br>Decanoic acid, nonadecafluoro-, sodium salt EC no.: -   CAS no.: 3830-45-3 | 206-400-3<br>(335-76-2)<br><br>221-470-5<br>(3108-42-7)<br><br>-<br>(3830-45-3) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| p-(1,1-dimethylpropyl)phenol   | 201-280-9<br>(80-46-6)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON SIXTEENTH PUBLICATION OF CANDIDATE LIST DD 20/06/2016</b>   |   |                          |                                     |  |                  |
| Benzo[def]chrysene   | 200-028-5<br>(50-32-8)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON FIVETEENTH PUBLICATION OF CANDIDATE LIST DD 17/12/2015</b>  |   |                          |                                     |  |                  |
| 1,3-propanesultone   | 214-317-9<br>(1120-71-4)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)   | 223-383-8<br>(3864-99-1)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)   | 253-037-1<br>(36437-37-3)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Nitrobenzene   | 202-716-0<br>(98-95-3)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Perfluorononan-1-oic-acid and its sodium and ammonium salts  | 206-801-3<br>(375-95-1<br>21049-39-8<br>4149-60-4)                              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

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|--|---|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCES ON FOURTEENTH PUBLICATION OF CANDIDATE LIST DD 15/06/2015</b>  |   |                          |                                     |  |                  |
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)  | 271-094-0,<br>272-013-1<br>(68515-51-5, 68648-93-1) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]                    | -<br>(-)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON THIRTEENTH PUBLICATION OF CANDIDATE LIST DD 17/12/2014</b>  |   |                          |                                     |  |                  |
| Bis(2-ethylhexyl) phthalate (DEHP)   | 204-211-0<br>(117-81-7)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)   | 223-346-6<br>(3846-71-7)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)   | 239-622-4<br>(15571-58-1)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 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) | -<br>(-)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)   | 247-384-8<br>(25973-55-1)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium fluoride   | 232-222-0<br>(7790-79-6)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium sulphate   | 233-331-6<br>(10124-36-4,31119-53-6)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCES ON TWELFTH PUBLICATION OF CANDIDATE LIST DD 16/06/2014</b>   |   |                          |                                     |  |                  |
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear   | 271-093-5<br>(68515-50-4)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Sodium perborate; perboric acid, sodium salt   | 239-172-9;<br>234-390-0                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Sodium peroxometaborate  | 231-556-4<br>(7632-04-4)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cadmium chloride   | 233-296-7<br>(10108-64-2)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

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|---|---|--------------------------|-------------------------------------|--------------------------------------|--------------|
| <b>SUBSTANCES ON ELEVENTH PUBLICATION OF CANDIDATE LIST DD 16/12/2013</b>   |   |                          |                                     |                                      |              |
| Cadmium sulphide  | 215-147-8<br>(1306-23-6)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)   | 217-710-3<br>(1937-37-7)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Dihexyl phthalate   | 201-559-5<br>(84-75-3)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Imidazolidine-2-thione; (2-imidazoline-2-thiol)   | 202-506-9<br>(96-45-7)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Trixylyl phosphate  | 246-677-8<br>(25155-23-1)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)  | 209-358-4<br>(573-58-0)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Lead di(acetate)  | 206-104-4<br>(301-04-2)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| <b>SUBSTANCES ON TENTH PUBLICATION OF CANDIDATE LIST DD 20/06/2013</b>  |   |                          |                                     |                                      |              |
| Cadmium oxide   | 215-146-2<br>(1306-19-0)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]                         |   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Dipentyl phthalate (DPP)  | 205-017-9<br>(131-18-0)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Pentadecafluorooctanoic acid (PFOA)   | 206-397-9<br>(335-67-1)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Ammonium pentadecafluorooctanoate (APFO)  | 223-320-4<br>(3825-26-1)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Cadmium   | 231-152-8<br>(7440-43-9)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| <b>SUBSTANCE ON NINE PUBLICATION OF CANDIDATE LIST DD 19/12/2012</b>  |   |                          |                                     |                                      |              |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)  | 214-604-9<br>(1163-19-5)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Pentacosafuorotridecanoic acid  | 276-745-2<br>(72629-94-8)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Tricosafuorododecanoic acid   | 206-203-2<br>(307-55-1)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Henicosafuoroundecanoic acid  | 218-165-4<br>(2058-94-8)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Heptacosafuorotetradecanoic acid  | 206-803-4<br>(376-06-7)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))   | 204-650-8<br>(123-77-3)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Cyclohexane-1,2-dicarboxylic anhydride [1]<br>cis-cyclohexane-1,2-dicarboxylic anhydride [2]<br>trans-cyclohexane-1,2-dicarboxylic anhydride [3]<br>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].   | 201-604-9,<br>236-086-3,<br>238-009-9<br>(85-42-7),<br>(13149-00-3),<br>(14166-21-3)                                  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |
| Hexahydromethylphthalic anhydride [1],<br>Hexahydro-4-methylphthalic anhydride [2],<br>Hexahydro-1-methylphthalic anhydride [3],<br>Hexahydro-3-methylphthalic anhydride [4]<br>[The individual isomers [2], [3] and [4] (including their cis- and trans-stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] | 247-094-1,<br>243-072-0,<br>256-356-4,<br>260-566-1<br>(25550-51-0),<br>(19438-60-9),<br>(48122-14-1)<br>(57110-29-9) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>             |              |

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|--|---------------------------------------|--------------------------|-------------------------------------|--|------------------|
| 4-Nonylphenol, branched and linear   | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Methoxyacetic acid   | 210-894-6<br>(625-45-6)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| N,N-dimethylformamide  | 200-679-5<br>(68-12-2)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dibutyltin dichloride (DBTC)   | 211-670-0<br>(683-18-1)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead monoxide (Lead oxide)   | 215-267-0<br>(1317-36-8)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead bis(tetrafluoroborate)  | 237-486-0<br>(13814-96-5)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Trilead bis(carbonate)dihydroxide  | 215-290-6<br>(1319-46-6)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead titanium trioxide   | 235-038-9<br>(12060-00-3)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead titanium zirconium oxide  | 235-727-4<br>(12626-81-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Silicic acid, lead salt  | 234-363-3<br>(11120-22-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped | 272-271-5<br>(68784-75-8)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1-bromopropane (n-propyl bromide)  | 203-445-0<br>(106-94-5)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Methyloxirane (Propylene oxide)  | 200-879-2<br>(75-56-9)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                             | 284-032-2<br>(84777-06-0)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diisopentylphthalate (DIPP)  | 210-088-4<br>(605-50-5)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| N-pentyl-isopentylphthalate  | -<br>(776297-69-9)                    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-diethoxyethane   | 211-076-1<br>(629-14-1)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Acetic acid, lead salt, basic  | 257-175-3<br>(51404-69-4)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead oxide sulfate   | 234-853-7<br>(12036-76-9)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| [Phthalato(2-)]dioxotrilead  | 273-688-5<br>(69011-06-9)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dioxobis(stearato)trilead  | 235-702-8<br>(12578-12-0)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Fatty acids, C16-18, lead salts  | 292-966-7<br>(91031-62-8)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead cyanamidate   | 244-073-9<br>(20837-86-9)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead dinitrate   | 233-245-9<br>(10099-74-8)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Pentalead tetraoxide sulphate  | 235-067-7<br>(12065-90-6)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Pyrochlore, antimony lead yellow   | 232-382-1<br>(8012-00-8)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Sulfurous acid, lead salt, dibasic   | 263-467-1<br>(62229-08-7)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Tetraethyllead   | 201-075-4<br>(78-00-2)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Tetralead trioxide sulphate  | 235-380-9<br>(12202-17-4)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Trilead dioxide phosphonate  | 235-252-2<br>(12141-20-7)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Furan  | 203-727-3<br>(110-00-9)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diethyl sulphate   | 200-589-6<br>(64-67-5)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dimethyl sulphate  | 201-058-1<br>(77-78-1)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 421-150-7<br>(143860-04-2)            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol)  | 201-861-7<br>(88-85-7)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4,4'-methylenedi-o-toluidine   | 212-658-8<br>(838-88-0)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>  | <b>EC Number<br/>(CAS<br/>Number)</b> | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|--|---------------------------------------|--------------------------|-------------------------------------|--|------------------|
| 4,4'-oxydianiline and its salts  | 202-977-0<br>(101-80-4)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4-aminoazobenzene  | 200-453-6<br>(60-09-3)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)   | 202-453-1<br>(95-80-7)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Biphenyl-4-ylamine   | 202-177-1<br>(92-67-1)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]   | 202-591-2<br>(97-56-3)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <i>o</i> -toluidine  | 202-429-0<br>(95-53-4)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <i>N</i> -methylacetamide  | 201-182-6<br>(79-16-3)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCE ON EIGHT PUBLICATION OF CANDIDATE LIST DD 18/06/2012</b>  |                                       |                          |                                     |  |                  |
| $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                                | 229-851-8<br>(6786-83-0)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <i>N,N,N',N'</i> -tetramethyl-4,4'-methylenedianiline (Michler's base)   | 202-959-2<br>(101-61-1)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,3,5-tris[(2 <i>S</i> and 2 <i>R</i> )-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i> )-trione ( $\beta$ -TGIC)  | 423-400-0<br>(59653-74-6)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diboron trioxide   | 215-125-8<br>(1303-86-2)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)  | 203-977-3<br>(112-49-2)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]  | 209-218-2<br>(561-41-1)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead(II) bis(methanesulfonate)   | 401-750-5<br>(17570-76-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Formamide  | 200-842-0<br>75-12-7                  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 219-943-6<br>(2580-56-5)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)  | 203-794-9<br>(110-71-4)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)   | 219-514-3<br>(2451-62-9)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)   | 202-027-5<br>(90-94-8)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>  | <b>EC Number<br/>(CAS<br/>Number)</b> | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|--|---------------------------------------|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCE ON SEVENTH PUBLICATION OF CANDIDATE LIST DD 19/12/2011</b>  |                                       |                          |                                     |  |                  |
| Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Calcium arsenate   | 231-904-5<br>(7778-44-1)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Bis(2-methoxyethyl) ether  | 203-924-4<br>(111-96-6)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometers (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight                      | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Potassium hydroxyoctaoxidizincatedichromate  | 234-329-8<br>(11103-86-9)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead dipicrate   | 229-335-2<br>(6477-64-1)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| N,N-dimethylacetamide  | 204-826-4<br>(127-19-5)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Arsenic acid   | 231-901-9<br>(7778-39-4)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-Methoxyaniline; o-Anisidine  | 201-963-1<br>(90-04-0)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Trilead diarsenate   | 222-979-5<br>(3687-31-8)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-dichloroethane   | 203-458-1<br>(107-06-2)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Pentazinc chromate octahydroxide   | 256-418-0<br>(49663-84-5)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4-(1,1,3,3-tetramethylbutyl)phenol   | 205-426-2<br>(140-66-9)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Formaldehyde, oligomeric reaction products with aniline  | 500-036-1<br>(25214-70-4)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Bis(2-methoxyethyl) phthalate  | 204-212-6<br>(117-82-8)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead diazide, Lead azide   | 236-542-1<br>(13424-46-9)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead styphnate   | 239-290-0<br>(15245-44-0)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2,2'-dichloro-4,4'-methylenedianiline  | 202-918-9<br>(101-14-4)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Phenolphthalein  | 201-004-7<br>(77-09-8)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dichromium tris(chromate)  | 246-356-2<br>(24613-89-6)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |



- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>   | <b>EC Number<br/>(CAS<br/>Number)</b>               | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|---|---|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCE ON SIXTH PUBLICATION OF CANDIDATE LIST DD 20/06/2011</b>         |   |                          |                                     |  |                  |
| 2-Ethoxyethyl acetate   | 203-839-2<br>(111-15-9)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Strontium chromate  | 232-142-6<br>(7789-06-2)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters       | 271-084-6<br>(68515-42-4)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Hydrazine   | 206-114-9<br>(302-01-2 / 7803-57-8)                 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1-Methyl-2-pyrrolidone  | 212-828-1<br>(872-50-4)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2,3-Trichloropropane  | 202-486-1<br>(96-18-4)                              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich          | 276-158-1<br>(71888-89-6)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCE ON FIFTH PUBLICATION OF CANDIDATE LIST DD 15/12/2010</b>         |   |                          |                                     |  |                  |
| Cobalt(II) sulphate   | 233-334-2<br>(10124-43-3)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cobalt(II) dinitrate  | 233-402-1<br>(10141-05-6)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cobalt(II) carbonate  | 208-169-4<br>(513-79-1)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cobalt(II) diacetate  | 200-755-8<br>(71-48-7)                              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-Methoxyethanol  | 203-713-7<br>(109-86-4)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2-Ethoxyethanol acetate   | 203-804-1<br>(110-80-5)                             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Chromium trioxide   | 215-607-8<br>(1333-82-0)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Chromic acid,<br>Oligomers of chromic acid and dichromic acid, Dichromic acid | 231-801-5<br>236-881-5<br>(7738-94-5<br>13530-68-2) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCE ON FOURTH PUBLICATION OF CANDIDATE LIST DD 18/06/2010</b>        |   |                          |                                     |  |                  |
| Trichloroethylene   | 201-167-4<br>(79-01-6)                              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Boric acid  | 233-139-2<br>234-343-4<br>(10043-35-3, 11113-50-1)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Disodium tetraborate, anhydrous   | 215-540-4<br>(1303-96-4, 1330-43-4, 12179-04-3)     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Tetraboron disodium heptaoxide, hydrate                                       | 235-541-3<br>(12267-73-1)                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Potassium dichromate  | 231-906-6<br>(7778-50-9)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Ammonium dichromate   | 232-143-1<br>(7789-09-5)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Potassium chromate  | 232-140-5<br>(7789-00-6)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Sodium chromate   | 231-889-5<br>(7775-11-3)                            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| <b>SUBSTANCE ON THIRD PUBLICATION OF CANDIDATE LIST DD 30/03/2010</b>         |   |                          |                                     |  |                  |
| Acrylamide  | 201-173-7<br>(79-06-1)                              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>  | <b>EC Number<br/>(CAS<br/>Number)</b> | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|--|---------------------------------------|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCES ON SECOND PUBLICATION OF CANDIDATE LIST DD 13/01/2010</b>  |                                       |                          |                                     |  |                  |
| Anthracene oil   | 292-602-7<br>(90640-80-5)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Anthracene oil, anthracene paste,<br>distn. Lights   | 295-278-5<br>(91995-17-4)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Anthracene oil, anthracene paste,<br>anthracene fraction   | 295-275-9<br>(91995-15-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Anthracene oil, anthracene-low   | 292-604-8<br>(90640-82-7)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Anthracene oil, anthracene paste   | 292-603-2<br>(90640-81-6)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Pitch, coal tar, high temp.  | 266-028-2<br>(65996-93-2)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Aluminosilicate Refractory Ceramic<br>Fibres<br>Aluminosilicate Refractory Ceramic<br>Fibres are fibres covered by index<br>number 650-017-00-8 in Annex VI,<br>part 3, table 3.2 of Regulation (EC)<br>No 1272/2008, and fulfill the two following conditions:<br>a) Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> are present<br>within the following concentration<br>ranges:<br>• Al <sub>2</sub> O <sub>3</sub> : 43.5 – 47 % w/w,<br>and SiO <sub>2</sub> : 49.5 – 53.5 % w/w,<br>or<br>• Al <sub>2</sub> O <sub>3</sub> : 45.5 – 50.5 % w/w,<br>and SiO <sub>2</sub> : 48.5 – 54 % w/w,<br>b) fibres have a length weighted<br>geometric mean diameter less two<br>standard geometric errors of 6 or<br>less micrometers (µm).  | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Zirconia Aluminosilicate, Refractory<br>Ceramic Fibres<br>Zirconia Aluminosilicate Refractory<br>Ceramic Fibres are fibres covered<br>by index number 650-017-00-8 in<br>Annex VI, part 3, table 3.2 of<br>Regulation (EC) No 1272/2008,<br>and fulfill the two following<br>conditions:<br>a) Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> and ZrO <sub>2</sub> are present<br>within the following concentration<br>ranges:<br>• Al <sub>2</sub> O <sub>3</sub> : 35 – 36 % w/w,<br>and<br>• SiO <sub>2</sub> : 47.5 – 50 % w/w,<br>and<br>• ZrO <sub>2</sub> : 15 - 17 % w/w,<br>b) fibres have a length weighted geometric mean diameter less two<br>standard geometric errors of 6 or less micrometers (µm). ranges:<br>• Al <sub>2</sub> O <sub>3</sub> : 35 – 36 % w/w,<br>and<br>• SiO <sub>2</sub> : 47.5 – 50 % w/w,<br>and<br>• ZrO <sub>2</sub> : 15 - 17 % w/w,<br>b) fibres have a length weighted geometric mean diameter less two<br>standard geometric errors of 6 or less micrometers (µm). | -                                     | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 2,4-Dinitrotoluene   | 204-450-0<br>(121-14-2)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diisobutyl phthalate   | 201-553-2<br>(84-69-5)                | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead chromate  | 231-846-0<br>(7758-97-6)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead chromate molybdate sulphate<br>red (C.I. Pigment Red 104)   | 235-759-9<br>(12656-85-8)             | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead sulfochromate yellow (C.I.<br>Pigment Yellow 34)  | 215-693-7<br>(1344-37-2)              | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| tris(2-chloroethyl)phosphate   | 204-118-5<br>(115-96-8)               | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |

- Manufacturer of Passive Infrared (PIR) Components Since 1981 -

| <b>Substance Name</b>  | <b>EC Number<br/>(CAS<br/>Number)</b>   | <b>Yes</b>               | <b>No</b>                           | <b>Document<br/>on safe use<br/>included</b> | <b>%<br/>w/w</b> |
|--|---|--------------------------|-------------------------------------|--|------------------|
| <b>SUBSTANCES ON FIRST PUBLICATION OF CANDIDATE LIST DD 28/10/2008</b>   |   |                          |                                     |  |                  |
| Anthracene   | 204-371-1<br>(120-12-7)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 4,4'- Diaminodiphenylmethane   | 202-974-4<br>(101-77-9)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Dibutyl phthalate  | 201-557-4<br>(84-74-2)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Cobalt dichloride  | 231-589-4<br>7646-79-9  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diarsenic pentaoxide   | 215-116-9<br>1303-28-2  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Diarsenic trioxide   | 215-481-4<br>(1327-53-3)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Sodium dichromate  | 234-190-3<br>(7789-12-0<br>(10588-01-9))  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)   | 201-329-4<br>(81-15-2)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Bis (2-ethyl(hexyl)phthalate) (DEHP)   | 204-211-0<br>(117-81-7)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified<br>( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD) | 247-148-4 and 221-695-9<br>(25637-99-4, 3194-55-6<br>(134237-50-6<br>134237-51-7<br>134237-52-8)) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)  | 287-476-5<br>(85535-84-8)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Bis(tributyltin)oxide  | 200-268-0<br>(56-35-9)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Lead hydrogen arsenate   | 232-064-2<br>(7784-40-9)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Benzyl butyl phthalate   | 201-622-7<br>(85-86-7)  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |
| Triethyl arsenate  | 427-700-2<br>(15606-95-8)   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>                     |                  |