RoHS 3/REACH Certificate of Compliance


We herewith certify that to the best of our knowledge all our products and all packaging material is manufactured in accordance with the RoHS-Directive 2011/65/EU, 2015/863/EU and REACH Regulation 1907/2006 and the PFOS-Directive 2006/122/ EU. If any of these materials are present, it can only be in traces and well below the limits given with this standard.

Lead (0, 1 %)
Mercury (0, 1 %)
Cadmium (0,01 %)
Hexavalent chromium (0, 1 %)
Polybrominated biphenyls (PBB) (0, 1 %)
Polybrominated diphenyl ethers (PBDE) (0, 1 %)
Bis(2-ethylhexyl) phthalate (DEHP) (0,1 %/0)
Butyl benzyl phthalate (BBP) (0, 1 %)
Dibutyl phthalate (DBP) (0,1 %/0)
Diisobutyl phthalate (DIBP) (0,1 %)

211 SVHC materials according to the REACH candidate list dd. 01/19/2021

Some components of our products may contain lead-containing alloys (lead content > 0.1% w/w) where the following substance identified as a SVHC occurs in concentrations greater than 0.1% (w/w).

<table>
<thead>
<tr>
<th>Matter</th>
<th>CAS/EINECS</th>
<th>List</th>
<th>Date of inclusion</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>CAS no: 7439-92-1</td>
<td>SVHC</td>
<td>27.06.2018</td>
<td>The inclusion of lead as SVHC on the candidate list essentially triggers information obligations in the supply chain in this regard.</td>
</tr>
</tbody>
</table>

Irrespective of the REACH regulation, per the RoHS – 2011/65/EU and 2015/863/EU directive, exception 6c, lead is permitted in copper alloys up to a mass content of 4%. Our products meet these requirements.

Regarding the REACH regulation, we can confirm, that On-Shore Technology is a Downstream user solely. For all our products, we only use substances which are from well-known manufacturers, common in the market and in accordance with this regulation (Annex XVII). We will verify the registration of all these substances on schedule and get them registered together with the manufacturer if needed.

ANTHONY J. THOMAS, QC/MFG DIRECTOR

2/11/2021
<table>
<thead>
<tr>
<th>No.</th>
<th>SUBSTANCE NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene</td>
<td>120-12-7</td>
<td>204-371-1</td>
</tr>
<tr>
<td>2</td>
<td>4, 4'-二氨基二苯甲烷</td>
<td>101-77-9</td>
<td>202-974-4</td>
</tr>
<tr>
<td>3</td>
<td>Diethyl phthalate</td>
<td>84-74-2</td>
<td>201-557-4</td>
</tr>
<tr>
<td>4</td>
<td>Cobalt dichloride</td>
<td>7646-79-9</td>
<td>231-589-4</td>
</tr>
<tr>
<td>5</td>
<td>Diarsenic trioxide</td>
<td>1327-53-3</td>
<td>215-481-4</td>
</tr>
<tr>
<td>6</td>
<td>Sodium dichromate</td>
<td>7789-12-0</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)</td>
<td>81-15-2</td>
<td>201-329-4</td>
</tr>
<tr>
<td>8</td>
<td>Bis(2-ethyl(hexyl)phthalate) (DEHP)</td>
<td>117-81-7</td>
<td>204-211-0</td>
</tr>
<tr>
<td>9</td>
<td>Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α – HBCDD, β-HBCDD, γ-HBCDD)</td>
<td>25637-99-4 (3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8)</td>
<td>247-148-4, 221-695-9</td>
</tr>
<tr>
<td>10</td>
<td>Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)</td>
<td>85535-84-8</td>
<td>287-476-5</td>
</tr>
<tr>
<td>11</td>
<td>Lead chromate</td>
<td>56-35-9</td>
<td>200-268-0</td>
</tr>
<tr>
<td>12</td>
<td>Lead hydrogen arsenate</td>
<td>7784-40-9</td>
<td>232-064-2</td>
</tr>
<tr>
<td>13</td>
<td>Benzyl butyl phthalate</td>
<td>85-68-7</td>
<td>201-622-7</td>
</tr>
<tr>
<td>14</td>
<td>Triethyl arsenate</td>
<td>15606-95-8</td>
<td>427-700-2</td>
</tr>
<tr>
<td>15</td>
<td>Bis(tributyltin)oxide</td>
<td>121-14-2</td>
<td>204-450-0</td>
</tr>
<tr>
<td>16</td>
<td>Anthracene oil</td>
<td>90640-80-5</td>
<td>292-602-7</td>
</tr>
<tr>
<td>17</td>
<td>Anthracene oil, anthracene paste, distn. Lights</td>
<td>91995-17-4</td>
<td>295-278-5</td>
</tr>
<tr>
<td>18</td>
<td>Anthracene oil, anthracene paste, anthracene fraction</td>
<td>91995-15-2</td>
<td>295-275-9</td>
</tr>
<tr>
<td>19</td>
<td>Anthracene oil, anthracene-low</td>
<td>90640-82-7</td>
<td>292-604-8</td>
</tr>
<tr>
<td>20</td>
<td>Anthracene oil, anthracene-paste</td>
<td>90640-81-6</td>
<td>292-603-2</td>
</tr>
<tr>
<td>21</td>
<td>Disobutyl phthalate</td>
<td>84-69-5</td>
<td>201-553-2</td>
</tr>
<tr>
<td>22</td>
<td>Lead chromate</td>
<td>7758-97-6</td>
<td>231-846-0</td>
</tr>
<tr>
<td>23</td>
<td>Lead chromate molybdate</td>
<td>12656-85-8</td>
<td>235-759-9</td>
</tr>
<tr>
<td>24</td>
<td>Lead sulfonochromate yellow (C.I. Pigment Yellow 34)</td>
<td>1344-37-2</td>
<td>215-693-7</td>
</tr>
<tr>
<td>25</td>
<td>Lead chromate</td>
<td>1979-6/1</td>
<td>201-173-7</td>
</tr>
<tr>
<td>26</td>
<td>Tris[2-chloroethyl]phosphate</td>
<td>115-96-8</td>
<td>204-118-5</td>
</tr>
<tr>
<td>27</td>
<td>Coal tar pitch, high temperature (Coal tar pitch, high temperature)</td>
<td>65996-93-2</td>
<td>266-028-2</td>
</tr>
<tr>
<td>No.</td>
<td>SUBSTANCE NAME</td>
<td>CAS NUMBER</td>
<td>EC NUMBER</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------------------------------------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>29</td>
<td>三氯乙烯</td>
<td>79-01-6</td>
<td>201-167-4</td>
</tr>
<tr>
<td>30</td>
<td>硼酸</td>
<td>10043-35-3 /</td>
<td>233-139-2 /</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11113-50-1</td>
<td>234-343-4</td>
</tr>
<tr>
<td>31</td>
<td>重水四硼酸二钠,无水四硼酸四钠</td>
<td>12179-04-3</td>
<td>215-540-4</td>
</tr>
<tr>
<td>32</td>
<td>水合硼酸钠,无水四硼酸钠</td>
<td>12267-73-1</td>
<td>235-541-3</td>
</tr>
<tr>
<td>33</td>
<td>铬酸钠</td>
<td>7775-11-3</td>
<td>231-889-5</td>
</tr>
<tr>
<td>34</td>
<td>硼酸钠</td>
<td>7789-00-6</td>
<td>232-140-5</td>
</tr>
<tr>
<td>35</td>
<td>硼酸钠</td>
<td>7789-09-5</td>
<td>232-143-1</td>
</tr>
<tr>
<td>36</td>
<td>硼酸钠</td>
<td>7778-50-9</td>
<td>231-906-6</td>
</tr>
<tr>
<td>37</td>
<td>钼酸钠</td>
<td>10124-43-3</td>
<td>233-334-2</td>
</tr>
<tr>
<td>38</td>
<td>钼酸钠</td>
<td>10141-05-6</td>
<td>233-402-1</td>
</tr>
<tr>
<td>39</td>
<td>钼酸钠</td>
<td>1330-43-3</td>
<td>215-540-4</td>
</tr>
<tr>
<td>40</td>
<td>钼酸钠</td>
<td>12267-73-1</td>
<td>235-541-3</td>
</tr>
<tr>
<td>41</td>
<td>钼酸钠</td>
<td>71-48-7</td>
<td>200-755-8</td>
</tr>
<tr>
<td>42</td>
<td>钼酸钠</td>
<td>110-80-5</td>
<td>203-804-1</td>
</tr>
<tr>
<td>43</td>
<td>钼酸钠</td>
<td>1333-82-0</td>
<td>215-607-8</td>
</tr>
<tr>
<td>44</td>
<td>钼酸钠</td>
<td>7778-50-9</td>
<td>231-906-6</td>
</tr>
<tr>
<td>45</td>
<td>乙二醇二乙酸酯</td>
<td>111-15-9</td>
<td>203-839-2</td>
</tr>
<tr>
<td>46</td>
<td>钼酸钠</td>
<td>7789-06-2</td>
<td>232-142-6</td>
</tr>
<tr>
<td>47</td>
<td>1,2-苯二酸二(C7-11支链与直链)烷基酯</td>
<td>68515-42-4</td>
<td>271-084-6</td>
</tr>
<tr>
<td>48</td>
<td>乙二醇二乙酸酯</td>
<td>7603-57-8</td>
<td>206-114-9</td>
</tr>
<tr>
<td>49</td>
<td>1-甲基-2-吡咯烷酮</td>
<td>872-50-4</td>
<td>212-828-1</td>
</tr>
<tr>
<td>50</td>
<td>1,2,3-三氯丙烷</td>
<td>96-18-4</td>
<td>202-486-1</td>
</tr>
<tr>
<td>51</td>
<td>1,2-苯二酸二(C6-8支链)烷基酯, C7-rich</td>
<td>71888-89-6</td>
<td>276-158-1</td>
</tr>
<tr>
<td>52</td>
<td>钼酸钠</td>
<td>24613-89-6</td>
<td>246-356-2</td>
</tr>
<tr>
<td>53</td>
<td>氢氧化铝酸钠</td>
<td>11103-86-9</td>
<td>234-329-8</td>
</tr>
<tr>
<td>54</td>
<td>八氢氧化五钼酸钠</td>
<td>49663-84-5</td>
<td>256-418-0</td>
</tr>
<tr>
<td>55</td>
<td>钼酸钠</td>
<td>-</td>
<td>650-017-00-8*</td>
</tr>
<tr>
<td>56</td>
<td>钼酸钠</td>
<td>-</td>
<td>650-017-00-8*</td>
</tr>
<tr>
<td>57</td>
<td>氢氧化铝酸钠</td>
<td>25214-70-4</td>
<td>500-036-1</td>
</tr>
<tr>
<td>58</td>
<td>水合硫酸钠</td>
<td>117-82-8</td>
<td>204-212-6</td>
</tr>
<tr>
<td>59</td>
<td>钼酸钠</td>
<td>90-04-0</td>
<td>201-963-1</td>
</tr>
<tr>
<td>No.</td>
<td>Substance Name</td>
<td>CAS Number</td>
<td>EC Number</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>60</td>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert- Octylphenol)</td>
<td>140-66-9</td>
<td>205-426-2</td>
</tr>
<tr>
<td>61</td>
<td>1,2-Dichloroethane</td>
<td>107-06-2</td>
<td>203-458-1</td>
</tr>
<tr>
<td>62</td>
<td>Bis(2-methoxyethyl) ether</td>
<td>111-96-6</td>
<td>203-924-4</td>
</tr>
<tr>
<td>63</td>
<td>Arsenic acid</td>
<td>7778-39-4</td>
<td>231-901-9</td>
</tr>
<tr>
<td>64</td>
<td>Calcium arsenate</td>
<td>7778-44-1</td>
<td>231-904-5</td>
</tr>
<tr>
<td>65</td>
<td>Trilid diarsenate</td>
<td>3687-31-8</td>
<td>222-979-5</td>
</tr>
<tr>
<td>66</td>
<td>N,N,N,N'-tetramethylacetamide (DMAC)</td>
<td>127-19-5</td>
<td>204-826-4</td>
</tr>
<tr>
<td>67</td>
<td>2,2',4,4'-tetrakis(dimethylamino) bisphenol</td>
<td>101-14-4</td>
<td>202-918-9</td>
</tr>
<tr>
<td>68</td>
<td>Phenolphthalein</td>
<td>1977-8/9</td>
<td>201-004-7</td>
</tr>
<tr>
<td>69</td>
<td>Lead azide</td>
<td>13424-46-9</td>
<td>236-542-1</td>
</tr>
<tr>
<td>70</td>
<td>Lead styphnate</td>
<td>15245-44-0</td>
<td>239-290-0</td>
</tr>
<tr>
<td>71</td>
<td>Lead dipicrate</td>
<td>6477-64-1</td>
<td>229-335-2</td>
</tr>
<tr>
<td>72</td>
<td>1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)</td>
<td>112-49-2</td>
<td>203-977-3</td>
</tr>
<tr>
<td>73</td>
<td>1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)</td>
<td>110-71-4</td>
<td>203-794-9</td>
</tr>
<tr>
<td>74</td>
<td>Diborone</td>
<td>1303-86-2</td>
<td>215-125-8</td>
</tr>
<tr>
<td>75</td>
<td>Formamide</td>
<td>27735</td>
<td>200-842-0</td>
</tr>
<tr>
<td>76</td>
<td>Lead(II) bis(methanesulfonate)</td>
<td>17570-76-2</td>
<td>401-750-5</td>
</tr>
<tr>
<td>77</td>
<td>TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)</td>
<td>2451-62-9</td>
<td>219-514-3</td>
</tr>
<tr>
<td>78</td>
<td>β-TGIC (1,3,5-tris[2S and 2R]-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)</td>
<td>59653-74-6</td>
<td>423-400-0</td>
</tr>
<tr>
<td>79</td>
<td>4,4'-bis(dimethylamino)benzophenone (Michler's ketone)</td>
<td>90-94-8</td>
<td>202-027-5</td>
</tr>
<tr>
<td>80</td>
<td>N,N,N,N'-tetramethyl-4,4'-methylene diaminaniline (Michler's base)</td>
<td>101-61-1</td>
<td>202-959-2</td>
</tr>
<tr>
<td>81</td>
<td>4,4'-bis(dimethylamino)benzhydrylidene(cyclohexa-2,5-dien-1-yldene)dimethylammonium chloride (C.I. Basic Violet 3)</td>
<td>548-62-9</td>
<td>208-953-6</td>
</tr>
<tr>
<td>82</td>
<td>4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene)cyclohexa-2,5-dien-1-yldene)dimethylammonium chloride (C.I. Basic Blue 26)</td>
<td>2580-56-5</td>
<td>219-943-6</td>
</tr>
<tr>
<td>83</td>
<td>o,o-Bis(dimethylamino)phenoxy)4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)</td>
<td>6786-83-0</td>
<td>229-851-8</td>
</tr>
<tr>
<td>84</td>
<td>A.A.-(N,N,N'-tetramethyl-4,4'-methylene diaminaniline) bisphenol</td>
<td>561-41-1</td>
<td>209-218-2</td>
</tr>
<tr>
<td>85</td>
<td>Bis(pentabromophenyl) ether (Decabromodiphenyl ether; DecaBDE)</td>
<td>1163-19-5</td>
<td>214-604-9</td>
</tr>
<tr>
<td>86</td>
<td>Pentacosfluorotodecanoic acid</td>
<td>72629-94-8</td>
<td>276-745-2</td>
</tr>
<tr>
<td>87</td>
<td>Tricosfluorotodecanoic acid</td>
<td>307-55-1</td>
<td>206-203-2</td>
</tr>
</tbody>
</table>
## REACH SVHC List

### Candidate List 211 Substances

<table>
<thead>
<tr>
<th>No.</th>
<th>SUBSTANCE NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>88</td>
<td>全氟十一烷酸</td>
<td>2058-94-8</td>
<td>218-165-4</td>
</tr>
<tr>
<td>89</td>
<td>全氟十二烷酸</td>
<td>376-06-7</td>
<td>206-803-4</td>
</tr>
<tr>
<td>90</td>
<td>六氟环己二甲酸</td>
<td>123-77-3</td>
<td>204-650-8</td>
</tr>
<tr>
<td>91</td>
<td>六氟环己二甲酸</td>
<td>85-42-7, 13149-00-3, 14166-21-3</td>
<td>201-604-9, 236-086-3, 238-009-9</td>
</tr>
<tr>
<td>92</td>
<td>4-Nonylphenol, branched and linear - substances with a linear or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>93</td>
<td>4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>94</td>
<td>甲氧基乙酸</td>
<td>625-45-6</td>
<td>210-894-6</td>
</tr>
<tr>
<td>95</td>
<td>甲氧基乙酸</td>
<td>25174</td>
<td>200-679-5</td>
</tr>
<tr>
<td>96</td>
<td>N,N-dimethylformamide</td>
<td>683-18-1</td>
<td>211-670-0</td>
</tr>
<tr>
<td>97</td>
<td>Dibutyltin dichloride (DBT)</td>
<td>1317-36-8</td>
<td>215-267-0</td>
</tr>
<tr>
<td>98</td>
<td>銅氧化鈦 (Lead oxide)</td>
<td>1314-46-1</td>
<td>215-235-6</td>
</tr>
<tr>
<td>99</td>
<td>銅氧化鈦 (Lead oxide)</td>
<td>13060-00-3</td>
<td>235-038-9</td>
</tr>
<tr>
<td>100</td>
<td>錫酸鈦</td>
<td>12626-81-2</td>
<td>235-727-4</td>
</tr>
<tr>
<td>101</td>
<td>錫酸鈦</td>
<td>11120-22-2</td>
<td>234-363-3</td>
</tr>
<tr>
<td>102</td>
<td>錫酸鈦</td>
<td>68784-75-8</td>
<td>272-271-5</td>
</tr>
<tr>
<td>103</td>
<td>1-bromopropane (n-propyl bromide)</td>
<td>106-94-5</td>
<td>203-445-0</td>
</tr>
<tr>
<td>104</td>
<td>1,2,2-三氧丙烷</td>
<td>75-56-9</td>
<td>200-879-2</td>
</tr>
<tr>
<td>105</td>
<td>1,2-苯氧代丙烷 (propylene oxide)</td>
<td>84777-06-0</td>
<td>284-032-2</td>
</tr>
<tr>
<td>No.</td>
<td>SUBSTANCE NAME</td>
<td>CAS NUMBER</td>
<td>EC NUMBER</td>
</tr>
<tr>
<td>-----</td>
<td>----------------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>109</td>
<td>邻苯二甲酸三异戊酯</td>
<td>605-50-5</td>
<td>210-088-4</td>
</tr>
<tr>
<td>110</td>
<td>N-pentyli-isopentylphthalate</td>
<td>776297-69-9</td>
<td>--</td>
</tr>
<tr>
<td>111</td>
<td>1,2-Diethoxyethane</td>
<td>629-14-1</td>
<td>211-076-1</td>
</tr>
<tr>
<td>112</td>
<td>Acetic acid, lead salt, basic</td>
<td>51404-69-4</td>
<td>257-175-3</td>
</tr>
<tr>
<td>113</td>
<td>Lead oxide sulfate</td>
<td>12036-76-9</td>
<td>234-853-7</td>
</tr>
<tr>
<td>114</td>
<td>[Phthalato(2-)]dioxotrilead</td>
<td>69011-06-9</td>
<td>273-688-5</td>
</tr>
<tr>
<td>115</td>
<td>Dioxobis(stearato)trilead</td>
<td>12578-12-0</td>
<td>235-702-8</td>
</tr>
<tr>
<td>116</td>
<td>Fatty acids, C16-18, lead salts</td>
<td>91031-62-8</td>
<td>292-966-7</td>
</tr>
<tr>
<td>117</td>
<td>Lead cyanamide</td>
<td>20837-86-9</td>
<td>244-073-9</td>
</tr>
<tr>
<td>118</td>
<td>Lead dirinate</td>
<td>10099-74-8</td>
<td>233-245-9</td>
</tr>
<tr>
<td>119</td>
<td>Pentalead tetraoxide sulphate</td>
<td>12065-90-6</td>
<td>235-067-7</td>
</tr>
<tr>
<td>120</td>
<td>41Pyrochlore, antimony lead yellow</td>
<td>8012-00-8</td>
<td>232-382-1</td>
</tr>
<tr>
<td>121</td>
<td>(II)Sulfurous acid, lead salt, dibasic</td>
<td>62229-08-7</td>
<td>263-467-1</td>
</tr>
<tr>
<td>122</td>
<td>Tetraethyllead</td>
<td>78-00-2</td>
<td>201-075-4</td>
</tr>
<tr>
<td>123</td>
<td>Tetralead trioxide sulphate</td>
<td>12202-17-4</td>
<td>235-380-9</td>
</tr>
<tr>
<td>124</td>
<td>Trilead dioxide phosphonate</td>
<td>12141-20-7</td>
<td>235-252-2</td>
</tr>
<tr>
<td>125</td>
<td>Furan</td>
<td>110-00-9</td>
<td>203-727-3</td>
</tr>
<tr>
<td>126</td>
<td>Diethyl sulphate</td>
<td>64-67-5</td>
<td>200-589-6</td>
</tr>
<tr>
<td>127</td>
<td>Dimethyl sulphate</td>
<td>77-78-1</td>
<td>201-058-1</td>
</tr>
<tr>
<td>128</td>
<td>3-ethyl-2-ethyl-2(3-ethyl-2-methyl-1,3-oxazolidine)</td>
<td>143860-04-2</td>
<td>421-150-7</td>
</tr>
<tr>
<td>129</td>
<td>4,4'-methylenedi-o-toluene</td>
<td>88-85-7</td>
<td>201-861-7</td>
</tr>
<tr>
<td>130</td>
<td>Dinoeb (6-sec-butyl-2,4-dinitrophenol)</td>
<td>838-88-0</td>
<td>212-658-8</td>
</tr>
<tr>
<td>131</td>
<td>4,4'-oxydianiline and its salts</td>
<td>101-80-7</td>
<td>202-977-0</td>
</tr>
<tr>
<td>132</td>
<td>4-Aminoazobenzene</td>
<td>90-09-3</td>
<td>200-453-6</td>
</tr>
<tr>
<td>133</td>
<td>4-methyl-m-phenylenediamine</td>
<td>95-80-7</td>
<td>202-453-1</td>
</tr>
<tr>
<td>134</td>
<td>6-methoxy-m-toluidine (p-cresidine)</td>
<td>120-71-8</td>
<td>204-419-1</td>
</tr>
<tr>
<td>135</td>
<td>Biphenyl-4-amine</td>
<td>92-67-1</td>
<td>202-177-1</td>
</tr>
<tr>
<td>136</td>
<td>o-aminoazotoluene[o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]]</td>
<td>97-56-3</td>
<td>202-591-2</td>
</tr>
<tr>
<td>137</td>
<td>o-Toluidine</td>
<td>95-53-4</td>
<td>202-429-0</td>
</tr>
<tr>
<td>138</td>
<td>N-methylacetamide</td>
<td>79-16-3</td>
<td>201-182-6</td>
</tr>
<tr>
<td>139</td>
<td>Cadmium oxide</td>
<td>7440-43-9</td>
<td>231-152-8</td>
</tr>
<tr>
<td>140</td>
<td>Dipentyl phthalate (DPP)</td>
<td>131-18-0</td>
<td>205-017-9</td>
</tr>
<tr>
<td>No.</td>
<td>SUBSTANCE NAME</td>
<td>CAS NUMBER</td>
<td>EC NUMBER</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>142</td>
<td>支鍵及直鍵乙氧基壬基酚-包括含有9個碳烷基基及所有含有含鍵或直鍵之9個碳烷基基 UVCB物質、聚合物及同系物,包括獨立同分異構物及複合物6-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]</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>143</td>
<td>十五代氟辛酸胺鹽 Ammonium pentadecafluorooctanoato (APFD)</td>
<td>3825-26-1</td>
<td>223-320-4</td>
</tr>
<tr>
<td>144</td>
<td>全氟辛酸 Pentadecafluorooctanoic acid (PFOA)</td>
<td>335-67-1</td>
<td>206-397-9</td>
</tr>
<tr>
<td>145</td>
<td>氯化錫 Cadmium sulphide</td>
<td>215-147-8</td>
<td>1306-23-6</td>
</tr>
<tr>
<td>146</td>
<td>CI直接紅28 Disodium 3,3'-(1,1'-biphenyl)-4,4'-dibis(azo)bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)</td>
<td>573-58-0</td>
<td>209-358-4</td>
</tr>
<tr>
<td>147</td>
<td>CI直接黑38 Disodium 4-amino-3-[2-(4,4-diaminophenyl)azo][1,1'-biphenyl]-4-ylazo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)</td>
<td>1937-37-7</td>
<td>217-710-3</td>
</tr>
<tr>
<td>148</td>
<td>邻苯二甲酸二己酯 Dihexyl phthalate</td>
<td>84-75-3</td>
<td>201-559-5</td>
</tr>
<tr>
<td>149</td>
<td>豆乙基硫脲 Imidazolidine-2-thione (2-imidazoline-2-thiol)</td>
<td>96-45-7</td>
<td>202-506-9</td>
</tr>
<tr>
<td>150</td>
<td>铅塩 (醋酸) Lead di(acetate)</td>
<td>301-04-2</td>
<td>206-104-4</td>
</tr>
<tr>
<td>151</td>
<td>塩酸三(乙基硫) Triethyl phosphate</td>
<td>25155-23-1</td>
<td>246-677-8</td>
</tr>
<tr>
<td>152</td>
<td>全氟辛酸 Ammonium pentadecafluorooctanoato (APFD)</td>
<td>3825-26-1</td>
<td>223-320-4</td>
</tr>
<tr>
<td>153</td>
<td>氰化銅 Cadmium chloride</td>
<td>10108-64-2</td>
<td>233-296-7</td>
</tr>
<tr>
<td>154</td>
<td>二氧化鈉 Sodium perborate; perboric acid, sodium salt</td>
<td>-</td>
<td>239-172-8; 234-390-0</td>
</tr>
<tr>
<td>155</td>
<td>二氧化鈉 Sodium peroxocetabrate</td>
<td>7632/4/4</td>
<td>231-556-4</td>
</tr>
<tr>
<td>156</td>
<td>氧化銅 Cadmium chloride</td>
<td>7790-79-6</td>
<td>232-222-0</td>
</tr>
<tr>
<td>157</td>
<td>氧化銅 Cadmium chloride</td>
<td>10124-38-4</td>
<td>31119-53-6</td>
</tr>
<tr>
<td>158</td>
<td>2-[2-甲基-3'-5'-2乙基辛基]-3,6-二噁烷-4,6-二噁烷二甲基化合物 (UV-320)</td>
<td>3846-71-7</td>
<td>223-346-6</td>
</tr>
<tr>
<td>159</td>
<td>2-[2-甲基-3'-5'-2乙基辛基]-3,6-二噁烷-4,6-二噁烷二甲基化合物 (UV-328)</td>
<td>25973-55-1</td>
<td>247-384-8</td>
</tr>
<tr>
<td>160</td>
<td>1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear</td>
<td>68515-49-0</td>
<td>271-093-5</td>
</tr>
<tr>
<td>161</td>
<td>二正辛基(2-乙基已基基基基乙酸酯)錫 Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>162</td>
<td>1,2-苯甲酸C6-10烷基酯; 1,2-苯甲酸混合癸與己和辛二酯,包含≥0.3%的鄰苯二甲酸二己酯 (DNHP, EC No. 201-559-5, CASNo. 84-75-3)</td>
<td>68615-51-5</td>
<td>271-094-0</td>
</tr>
<tr>
<td>No.</td>
<td>Substance Name</td>
<td>CAS Number</td>
<td>EC Number</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------------</td>
<td>------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>164</td>
<td>5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]</td>
<td>3864-99-1</td>
<td>223-383-8</td>
</tr>
<tr>
<td>165</td>
<td>2-(2H-Benzo[1,2-d:4,5-d']imidazol-2-yl)-4-(tert-butyl)-2-hexylphenol (UV-350)</td>
<td>36437-37-3</td>
<td>253-037-1</td>
</tr>
<tr>
<td>167</td>
<td>1,3-Propanesultone</td>
<td>1120-71-4</td>
<td>214-317-9</td>
</tr>
<tr>
<td>168</td>
<td>Perfluorononan-1-oic-acid and its sodium and ammonium salts</td>
<td>357-95-1, 21049-39-8, 4149-60-4</td>
<td>206-801-3</td>
</tr>
<tr>
<td>169</td>
<td>4,4'-isopropylidenediphenol</td>
<td>80-05-7</td>
<td>201-245-8</td>
</tr>
<tr>
<td>170</td>
<td>Nonadecafluorodecanoic acid and its sodium and ammonium salts</td>
<td>335-76-2, 3108-42-7, 3830-45-3</td>
<td>206-400-3, 221-470-5</td>
</tr>
<tr>
<td>171</td>
<td>Decanoic acid, nonadecafluoro-, sodium salt</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>172</td>
<td>Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear substances with a linear or branched alkyl chain with a carbon number 11-17, 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</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>174</td>
<td>Cadmium carbonate</td>
<td>513-78-0</td>
<td>208-168-9</td>
</tr>
<tr>
<td>175</td>
<td>Cadmium hydroxide</td>
<td>21041-95-2</td>
<td>244-168-5</td>
</tr>
<tr>
<td>176</td>
<td>Cadmium nitrate</td>
<td>10022-68-1, 10325-94-7</td>
<td>233-710-6</td>
</tr>
<tr>
<td>177</td>
<td>Chrysene</td>
<td>218-01-9, 1719-03-5</td>
<td>205-923-4</td>
</tr>
<tr>
<td>178</td>
<td>Benz[a]anthracene</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>179</td>
<td>Benzo[g,h,i]perylene</td>
<td>55-55-3, 1718-53-2</td>
<td>200-280-6</td>
</tr>
<tr>
<td>180</td>
<td>Benzene-1,2,4-tricarboxylic acid, trimellitic anhydride</td>
<td>552-30-7, 209-008-0</td>
<td>191-24-2, 205-883-8</td>
</tr>
</tbody>
</table>
## REACH SVHC List

### Candidate List 211 Substances

<table>
<thead>
<tr>
<th>No.</th>
<th>SUBSTANCE NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>十甲基環五矽氧烷</td>
<td>541-02-6</td>
<td>208-764-9</td>
</tr>
<tr>
<td>185</td>
<td>五乙基環五矽氧烷</td>
<td>84-61-7</td>
<td>201-545-9</td>
</tr>
<tr>
<td>186</td>
<td>乙二胺</td>
<td>12008-41-2</td>
<td>234-541-0</td>
</tr>
<tr>
<td>187</td>
<td>十乙基環五矽氧烷</td>
<td>540-97-6</td>
<td>208-762-8</td>
</tr>
<tr>
<td>188</td>
<td>Ethylenediamine (EBA)</td>
<td>107-15-3</td>
<td>203-468-6</td>
</tr>
<tr>
<td>189</td>
<td>銅</td>
<td>7439-92-1</td>
<td>231-100-4</td>
</tr>
<tr>
<td>190</td>
<td>八甲基環四矽氧烷</td>
<td>556-67-2</td>
<td>209-136-7</td>
</tr>
<tr>
<td>191</td>
<td></td>
<td>61788-32-7</td>
<td>262-967-7</td>
</tr>
<tr>
<td>192</td>
<td>2,2-雙(4'-羥基苯基)-4-甲基戊烷</td>
<td>6807-17-6</td>
<td>401-720-1</td>
</tr>
<tr>
<td>193</td>
<td></td>
<td>207-08-9</td>
<td>205-916-9</td>
</tr>
<tr>
<td>194</td>
<td></td>
<td>206-44-0</td>
<td>205-912-4</td>
</tr>
<tr>
<td>195</td>
<td></td>
<td>85-01-8</td>
<td>201-581-5</td>
</tr>
<tr>
<td>196</td>
<td>花</td>
<td>129-00-0</td>
<td>204-927-3</td>
</tr>
<tr>
<td>197</td>
<td>1,7,7-三甲基-3-(苯亞甲基)-雙環[2,2,1]庚烷-2-酮</td>
<td>15087-24-8</td>
<td>239-139-9</td>
</tr>
<tr>
<td>198</td>
<td>2-甲氧基乙酸乙酯</td>
<td>110-49-6</td>
<td>203-772-9</td>
</tr>
<tr>
<td>199</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>2,3,3,3-四氟-2-(七氟丙氧基)丙酸,即其鹽類與鹵化醯類</td>
<td>71850-09-4</td>
<td>276-090-2</td>
</tr>
<tr>
<td>201</td>
<td>1,7,7-三甲基-3-(苯亞甲基)-雙環[2,2,1]庚烷-2-酮</td>
<td>98-54-4</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>2-甲基-2-(2-甲基-1-二苯基-1,3-二氧代丁烷)-丁酮</td>
<td>119313-12-1</td>
<td>404-360-3</td>
</tr>
<tr>
<td>203</td>
<td>2-甲基-1-[4-(3-甲基戊-1-烯基)苯基]-2-丁酮</td>
<td>7188-10-5</td>
<td>400-600-6</td>
</tr>
<tr>
<td>204</td>
<td>2-甲基-1-[4-(4-甲基戊-1-烯基)苯基]-2-丁酮</td>
<td>71850-09-4</td>
<td>276-090-2</td>
</tr>
<tr>
<td>205</td>
<td></td>
<td>98-54-4</td>
<td></td>
</tr>
<tr>
<td>206</td>
<td></td>
<td>22673-19-4</td>
<td>245-152-0</td>
</tr>
<tr>
<td>207</td>
<td></td>
<td>94-26-8</td>
<td>202-318-7</td>
</tr>
<tr>
<td>208</td>
<td></td>
<td>693-98-1</td>
<td>211-765-7</td>
</tr>
<tr>
<td>209</td>
<td></td>
<td>1072-63-5</td>
<td>214-012-0</td>
</tr>
<tr>
<td>210</td>
<td></td>
<td>143-24-8</td>
<td>205-594-7</td>
</tr>
<tr>
<td>211</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Some substances may have multiple CAS numbers.
- EC numbers may not be available for all substances.
- Some substances may have additional information or notes that are not shown here.