

Annex 4 / 附錄 4

Limit values and fastness, part 1 / 限量值和色牢度, 第一部分

(The testing procedures are described in a separate document / 測試方法描述於其他文件)

Product Class / 產品級別	I Baby / 嬰幼兒	II in direct contact with skin / 直接接觸皮膚	III with no direct contact with skin / 非直接接觸皮膚	IV Decoration material / 裝飾 材料
<b>pH value / 酸鹼值<sup>1</sup></b>				
	4.0 - 7.5	4.0 - 7.5	4.0 - 9.0	4.0 - 9.0
<b>Formaldehyde, free and partially releasable / 游離的和可部分釋放的甲醛 [mg/kg]</b>				
Law 112 / 112 法	n.d. <sup>2</sup>	< 75	< 150	< 300
<b>Extractable (heavy) metals / 可萃取的重金屬 [mg/kg]</b>				
Sb (Antimony / 銻)	< 30.0	< 30.0	< 30.0	
As (Arsenic / 砷)	< 0.2	< 1.0	< 1.0	< 1.0
Pb (Lead / 鉛)	< 0.2	< 1.0 <sup>3</sup>	< 1.0 <sup>3</sup>	< 1.0 <sup>3</sup>
Cd (Cadmium / 鎘)	< 0.1	< 0.1	< 0.1	< 0.1
Cr (Chromium / 鉻)	< 1.0	< 2.0	< 2.0	< 2.0
Cr(VI) / 鉻(六價)		< 0.5		
Co (Cobalt / 鈷)	< 1.0	< 4.0	< 4.0	< 4.0
Cu (Copper / 銅)	< 25.0 <sup>4</sup>	< 50.0 <sup>4</sup>	< 50.0 <sup>4</sup>	< 50.0 <sup>4</sup>
Ni (Nickel / 鎳) <sup>5</sup>	< 1.0 <sup>6</sup>	< 4.0 <sup>7</sup>	< 4.0 <sup>7</sup>	< 4.0 <sup>7</sup>
Hg (Mercury / 汞)	< 0.02	< 0.02	< 0.02	< 0.02
Ba (Barium / 鋇)	< 1000	< 1000	< 1000	< 1000
Se (Selenium / 硒)	< 100	< 100	< 100	< 100
<b>Heavy metals in digested sample / 被消解樣品中的重金屬 [mg/kg]<sup>8</sup></b>				
Pb (Lead / 鉛)	< 90.0	< 90.0 <sup>3</sup>	< 90.0 <sup>3</sup>	< 90.0 <sup>3</sup>
Cd (Cadmium / 鎘)	< 40.0	< 40.0 <sup>3</sup>	< 40.0 <sup>3</sup>	< 40.0 <sup>3</sup>
<b>Pesticides / 殺蟲劑 [mg/kg]<sup>9,10</sup></b>				
Sum / 總計 <sup>10</sup>	< 0.5	< 1.0	< 1.0	< 1.0
Glyphosate and salts / 草甘膦及其鹽 [mg/kg]	u.o. <sup>11</sup>	u.o. <sup>11</sup>	u.o. <sup>11</sup>	u.o. <sup>11</sup>
<b>Chlorinated phenols / 氯化苯酚 [mg/kg]<sup>10</sup></b>				
Pentachlorophenol / 五氯苯酚 (PCP)	< 0.05	< 0.5	< 0.5	< 0.5
Tetrachlorophenols / 四氯苯酚 (TeCP), Sum / 總計	< 0.05	< 0.5	< 0.5	< 0.5
Trichlorophenols / 三氯苯酚 (TrCP), Sum / 總計	< 0.2	< 2.0	< 2.0	< 2.0
Dichlorophenols / 二氯苯酚 (DCP), Sum / 總計	< 0.5	< 3.0	< 3.0	< 3.0
Monochlorophenols / 一氯苯酚 (MCP), Sum / 總計	< 0.5	< 3.0	< 3.0	< 3.0

<sup>1</sup> Exceptions for products which must be treated wet during the further processing: 4.0 - 10.5; for foams: 4.0 - 9.0; for film materials (e.g. polyolefin films) with incorporated Calciumbicarbonate/ carbonate, which do not have directly contact to skin: 4.0 - 10.0 / 例外情況: 後續加工必需經過濕處理的產品: 4.0-10.5; 泡綿製品: 4.0-9.0; 含有碳酸氫鈣/碳酸鹽的膜材料 (例如聚烯烴薄膜) 且不直接接觸皮膚: 4.0-10.0

<sup>2</sup> n.d. corresponds according to „Japanese Law 112“ test method with an absorbance unit less than 0.05 resp. < 16 mg/kg / 此處不得檢出 (n.d.) 是指使用「日本 112 法」中規定的吸收測試法應小於 0.05 吸收率單位, 即應少於 16mg/kg

<sup>3</sup> No requirement for accessories made from glass / 對於用玻璃製成的輔料無此要求

<sup>4</sup> No requirement for accessories and yarns made from inorganic materials, respecting the requirements regarding biological active products / 對於無機材料製成的輔料和紗線, 無生物活性產品相關要求

<sup>5</sup> Including the requirement by EC-Regulation 1907/2006 / 包含了法規 EC 1907/2006 中對該項目的要求

<sup>6</sup> For metallic accessories and metallized surfaces: < 0.5 mg/kg / 只適用於金屬輔料及經金屬處理之表面: < 0.5 mg/kg

<sup>7</sup> For metallic accessories and metallized surfaces: < 1.0 mg/kg / 只適用於金屬輔料及經金屬處理之表面: < 1.0 mg/kg

<sup>8</sup> Applicable to all non textile accessories and components as well as for spun dyed fibres and articles containing pigments / 針對所有非紡輔料和組成部分, 以及在紡絲時加入著色劑生產的有色纖維和含有塗料的產品

<sup>9</sup> For natural fibres only / 僅適用於天然纖維

<sup>10</sup> The individual substances are listed in Annex 5 / 具體物質列在附錄 5 中

<sup>11</sup> u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated indeed / u.o.=受監測; 隨機進行物質檢測, 其結果僅用於參考; 目前不做限量要求

**Annex 4 / 附錄 4**

**Limit values and fastness, part 2 / 限量值和色牢度, 第二部分**

(The testing procedures are described in a separate document / 測試方法描述於其他文件)

Product Class / 產品級別	I Baby / 嬰幼兒	II in direct contact with skin / 直接接觸皮膚	III with no direct contact with skin / 非直接接觸皮膚	IV Decoration material / 裝飾 材料
<b>Phthalates / 鄰苯二甲酸酯 [w-%]<sup>12</sup></b>				
Sum / 總計 <sup>10</sup>	< 0.1	< 0.1	< 0.1	
Sum without DINP / 不含 DINP 總和 <sup>10</sup>				< 0.1
<b>Organic tin compounds / 有機錫化合物 [mg/kg]<sup>10</sup></b>				
TBT, TPhT	< 0.5	< 1.0	< 1.0	< 1.0
DBT, DMT, DOT, DPhT, DPT, MBT, MOT, MMT, MPhT, TeBT, TeET, TCyHT, TMT, TOT, TPT	< 1.0	< 2.0	< 2.0	< 2.0
<b>Other chemical residues / 其他殘餘化學物</b>				
OPP / 鄰苯基苯酚 [mg/kg] <sup>10</sup>	< 10	< 25	< 25	< 25
Carcinogenic Arylamines / 致癌芳香胺 [mg/kg] <sup>10,13,14</sup>	< 20	< 20	< 20	< 20
Aniline / 苯胺 [mg/kg] <sup>10,15</sup>	< 20	< 50	< 50	< 50
TCEP / 三(2-氯乙基)磷酸酯 [mg/kg] <sup>10</sup>	< 10	< 10	< 10	< 10
Bisphenol A / 雙酚 A [w-%] <sup>10</sup>	< 0.1	< 0.1	< 0.1	< 0.1
DMFu / 富馬酸二甲酯 [mg/kg] <sup>10</sup>	< 0.1	< 0.1	< 0.1	< 0.1
Benzene / 苯 [mg/kg] <sup>10</sup>	< 5.0	< 5.0	< 5.0	< 5.0
Phenol / 苯酚 [mg/kg] <sup>10</sup>	< 20	< 50	< 50	< 50
Quinoline / 喹啉 [mg/kg] <sup>10</sup>	< 50	< 50	< 50	< 50
Diazene-1,2-dicarboxamide / 偶氮二甲酰胺 [w%] <sup>10</sup>	< 0.1	< 0.1	< 0.1	< 0.1
<b>Colorants / 染料 [mg/kg]</b>				
Cleavable carcinogenic arylamines / 可裂解的致癌芳香胺 <sup>10,14</sup>	< 20	< 20	< 20	< 20
Cleavable Aniline / 可裂解的苯胺 <sup>10,15</sup>	< 20	< 50	< 50	< 50
Carcinogens / 致癌物 <sup>10</sup>	< 50			
Allergens / 致敏物 <sup>10</sup>	< 50			
Others / 其他 <sup>10</sup>	< 50			
Navy Blue / 海軍藍 <sup>10</sup>	not used / 不得使用			
<b>Chlorinated benzenes and toluenes / 氯化苯和氯化甲苯 [mg/kg]<sup>10</sup></b>				
Sum / 總計	< 1.0	< 1.0	< 1.0	< 1.0
<b>Polycyclic aromatic hydrocarbons (PAHs) / 多環芳烴 [mg/kg]<sup>16</sup></b>				
Benzo[a]pyrene / 苯並[a]芘	< 0.5	< 1.0	< 1.0	< 1.0
Benzo[e]pyrene / 苯並[e]芘	< 0.5	< 1.0	< 1.0	< 1.0
Benzo[a]anthracene / 苯並[a]蒽	< 0.5	< 1.0	< 1.0	< 1.0
Chrysene / 蒽	< 0.5	< 1.0	< 1.0	< 1.0
Benzo[b]fluoranthene / 苯並[b]芴	< 0.5	< 1.0	< 1.0	< 1.0
Benzo[j]fluoranthene / 苯並[j]芴	< 0.5	< 1.0	< 1.0	< 1.0
Benzo[k]fluoranthene / 苯並[k]芴	< 0.5	< 1.0	< 1.0	< 1.0
Dibenzo[a,h]anthracene / 二苯並[a,h]蒽	< 0.5	< 1.0	< 1.0	< 1.0
Sum 24 PAHs / 24 種 PAHs 總和 <sup>10</sup>	< 5.0	< 10.0	< 10.0	< 10.0

<sup>12</sup> For coated articles, plastisol prints, flexible foams, and accessories made from plastics / 適用於塗層產品、膠漿印花、柔軟泡綿和塑料材質輔料

<sup>10</sup> The individual substances are listed in Annex 5 / 具體物質列在附錄 5 中

<sup>13</sup> For all materials containing polyurethane or other materials which may contain free carcinogenic arylamines / 適用於所有含有聚氨酯的材料或其他可能含有游離致癌芳香胺的材料

<sup>14</sup> The sum of cleavable carcinogenic arylamine and of possibly also as chemical residue present free carcinogenic (same) arylamine has to be also < 20 mg/kg / 可裂解的致癌芳香胺和可能以化學殘基存在的游離致癌(相同)芳香胺的總量必須< 20 mg/kg

<sup>15</sup> The sum of cleavable aniline and of possibly also as chemical residue present free aniline has to be also < 20 mg/kg (product class I) resp. < 50 mg/kg (product classes II till IV) / 可裂解的苯胺和可能以化學殘基存在的游離苯胺的總量必須< 20 mg/kg (產品級別 I) 或< 50 mg/kg (產品級別 II 至 IV)

<sup>16</sup> For all synthetic fibres, yarns, or threads and for plastic materials / 適用於所有合成纖維、紗線或股線及塑料材料

**Annex 4 / 附錄 4**

**Limit values and fastness, part 3 / 限量值和色牢度, 第三部分**

(The testing procedures are described in a separate document / 測試方法描述於其他文件)

Product Class / 產品級別	I Baby / 嬰幼兒	II in direct contact with skin / 直接接觸皮膚	III with no direct contact with skin / 非直接接觸皮膚	IV Decoration material / 裝飾 材料
<b>Biological active products / 生物活性產品</b>	none / 沒有 <sup>17</sup>			
<b>Flame retardant products / 阻燃產品</b>	none / 無 ( < 10 mg/kg; each / 每個; for sum SCCP + MCCP / SCCP + MCCP 總量 < 50 mg/kg) <sup>17,18</sup> Sum of all / 總量 < 50 mg/kg			
<b>Solvent residues / 溶劑殘留 [w-%]<sup>10,19</sup></b>				
NMP (N-甲基吡咯烷酮) <sup>20</sup>	< 0.05 < 0.10 <sup>21</sup>			
DMAc (N,N-二甲基乙酰胺) <sup>20</sup>	< 0.05 < 0.10 <sup>21</sup>			
DMF (N,N-二甲基甲酰胺) <sup>20</sup>	< 0.05 < 0.10 <sup>21</sup>			
Formamide / 甲酰胺	< 0.02	< 0.02	< 0.02	< 0.02
<b>Surfactant, wetting agent residues / 殘餘表面活性劑, 潤濕劑 [mg/kg]<sup>10</sup></b>				
NP, OP, HpP, PeP; / Sum / 總計	< 10.0	< 10.0	< 10.0	< 10.0
NP, OP, HpP, PeP, NP(EO), OP(EO); / Sum / 總計	< 100.0	< 100.0	< 100.0	< 100.0
<b>PFCS, Per- and polyfluorinated compounds / 全氟及多氟化合物<sup>10,22</sup></b>				
PFOS, PFOSA, PFOSF, N-Me-FOSA, N-Et-FOSA, N-Me-FOSE, N-Et-FOSE; / Sum / 總計 [µg/m <sup>2</sup> ]	< 1.0	< 1.0	< 1.0	< 1.0
PF0A / 全氟辛酸 [µg/m <sup>2</sup> ]	< 1.0	< 1.0	< 1.0	< 1.0
PFHpA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFNA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFDA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFUdA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFDoA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFTrDA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
PFTeDA [mg/kg]	< 0.05	< 0.1	< 0.1	< 0.5
Further Perfluorinated carboxylic acids, / 全氟羧酸, each; according to Annex 5 / 每種, 參考附錄 5 [mg/kg]	< 0.05			
Perfluorinated sulfonic acids, / 全氟磺酸, each; according to Annex 5 / 每種, 參考附錄 5 [mg/kg]	< 0.05			
Partially fluorinated carboxylic / sulfonic acids, / 部分氟化羧酸/部分氟化磺酸, each; according to Annex 5 / 每種, 參考附錄 5 [mg/kg]	< 0.05			
Partially fluorinated linear alcohols, / 部分氟化直鏈醇, each; according to Annex 5 / 每種, 參考附錄 5 [mg/kg]	< 0.50			
Esters of fluorinated alcohols with acrylic acid, / 氟化醇與丙烯酸形成的酯類, each; according to Annex 5 / 每種, 參考附錄 5 [mg/kg]	< 0.50			

<sup>17</sup> With exception of treatments accepted by OEKO-TEX® (see actual list on <http://www.oeko-tex.com>) / 除了 OEKO TEX®認可的處理方法外 (請參閱 <http://www.oeko-tex.com> 網站發布的實際列表)

<sup>18</sup> Accepted flame retardant products do not contain any of the banned flame retardant substances listed in Annex 5 as active agent / 認可的阻燃產品不應含有任何附錄 5 活性劑中所列禁用阻燃物質

<sup>10</sup> The individual substances are listed in Annex 5 / 具體物質列在附錄 5 中

<sup>19</sup> For fibre, yarns, fabrics and coated articles (e.g. artificial leather) as well as foams (EVA, PVC), where solvents are used during production / 適用於在生產過程中使用溶劑的纖維、紗線、面料和塗層產品 (如人造革) 以及泡綿 (EVA, PVC)

<sup>20</sup> Exception for products which must undergo further industrial production stages (heat process in wet or dry stage preferred, but also other steps are possible): maximal 3.0 % / 例外情況: 後續加工必須經過進一步的工業化生產階段 (濕熱或乾熱處理, 但也可能採用其它處理步驟): 最大 3.0 %

<sup>21</sup> For materials made of acrylic (PAN), elastane (EL) / polyurethane and aramides as well as coated (PU-, PVC-, PVC-plastisol-, PVDC-, PVC-copolymer) textiles / Für Materialien aus Polyacrylnitril (PAN), Elasthan (EL) / 適用於由腈綸(PAN)、氨綸(EL)/聚氨酯和芳綸製成的材料以及塗層紡織品 (PU-、PVC-、PVC-膠漿、PVDC-以及 PVC-共聚物)

<sup>22</sup> For all materials with a water, soil or oil repellent finish or coating / 適用於所有經防水、防污或防油整理或塗層的材料

**Annex 4 / 附錄 4**

**Limit values and fastness, part 4 / 限量值和色牢度, 第四部分**

(The testing procedures are described in a separate document / 測試方法描述於其他文件)

Product Class / 產品級別	I Baby / 嬰幼兒	II in direct contact with skin / 直接接觸皮膚	III with no direct contact with skin / 非直接接觸皮膚	IV Decoration material / 裝飾 材料
<b>UV stabilizers / 紫外線穩定劑 [w-%]<sup>10</sup></b>				
UV 320	< 0.1	< 0.1	< 0.1	< 0.1
UV 327	< 0.1	< 0.1	< 0.1	< 0.1
UV 328	< 0.1	< 0.1	< 0.1	< 0.1
UV 350	< 0.1	< 0.1	< 0.1	< 0.1
<b>Chlorinated paraffins / 氯化石蠟<sup>10</sup></b>				
Sum of SCCP and MCCP (SCCP_和_MCCP) [mg/kg]	< 50	< 50	< 50	< 50
<b>Siloxanes / 矽氧烷 [w-%]<sup>10</sup></b>				
Octamethylcyclotetrasiloxane (D4) / 八甲基環四矽氧烷(D4)	< 0.1	< 0.1	< 0.1	< 0.1
Decamethylcyclopentasiloxane (D5) / 十甲基環五矽氧烷(D5)	< 0.1	< 0.1	< 0.1	< 0.1
Dodecamethylcyclohexasiloxane (D6) / 十二甲基環六矽氧烷(D6)	< 0.1	< 0.1	< 0.1	< 0.1
<b>N-Nitrosamines; N-nitrosatable substances / 亞硝胺; 亞硝基物質 [mg/kg]<sup>10</sup></b>	u.o. <sup>11</sup>	u.o. <sup>11</sup>	u.o. <sup>11</sup>	u.o. <sup>11</sup>
<b>Colour fastness (staining) / 色牢度 (沾色)</b>				
To water / 耐水	3 - 4	3	3	3
To acidic perspiration / 耐酸性汗液	3 - 4	3 - 4	3 - 4	3 - 4
To alkaline perspiration / 耐鹼性汗液	3 - 4	3 - 4	3 - 4	3 - 4
To rubbing, dry / 耐乾摩擦 <sup>23,24</sup>	4	4	4	4
To saliva and perspiration / 耐唾液和汗液	fast / 牢固			
<b>Emission of volatiles / 揮發物釋放量 [mg/m3]<sup>25</sup></b>				
Formaldehyde / 甲醛 [50-00-0]	< 0.1	< 0.1	< 0.1	< 0.1
Toluene / 甲苯 [108-88-3]	< 0.1	< 0.1	< 0.1	< 0.1
Styrene / 苯乙烯 [100-42-5]	< 0.005	< 0.005	< 0.005	< 0.005
4-Vinylcyclohexene / 乙烯基環己烯 [100-40-3]	< 0.002	< 0.002	< 0.002	< 0.002
4-Phenylcyclohexene / 苯基環己烯 [4994-16-5]	< 0.03	< 0.03	< 0.03	< 0.03
Butadiene / 丁二烯 [106-99-0]	< 0.002	< 0.002	< 0.002	< 0.002
Vinylchloride / 氯乙烯 [75-01-4]	< 0.002	< 0.002	< 0.002	< 0.002
Aromatic hydrocarbons / 芳香烴	< 0.3	< 0.3	< 0.3	< 0.3
Organic volatiles / 有機揮發物	< 0.5	< 0.5	< 0.5	< 0.5
<b>Organic cotton fibres and materials / 有機棉纖維和材料<sup>26</sup></b>				
Genetically modified organisms (GMO) / 轉基因生物(GMO)	not detectable / 未檢出			
<b>Determination of odours / 氣味測定</b>				
General / 總體	no abnormal odour / 無異味 <sup>27</sup>			
SNV 195 651 (Modified / 經修正) <sup>25</sup>	3	3	3	3
<b>Banned fibres / 禁用纖維</b>				
Asbestos / 石棉纖維	not used / 不得使用			

<sup>10</sup> The individual substances are listed in Annex 5 / 具體物質列在附錄 5 中

<sup>11</sup> u.o. = under observation; substance is tested randomly and result provided for information purposes; presently not regulated indeed / u.o.=受監測; 隨機進行物質檢測, 其結果僅用於參考; 目前不做限量要求

<sup>23</sup> No requirements for 'wash-out' – articles / 對於後續加工有“洗水處理”的產品無此項要求

<sup>24</sup> For pigment, vat or sulphurous colorants a minimum grade of colour fastness to rubbing of 3 (dry) is acceptable / 對於使用顏料、還原染料或硫化染料的產品, 可接受的耐乾摩擦色牢度最小為 3 級

<sup>25</sup> For textile carpets, mattresses as well as foams and large coated articles not being used for clothing / 適用於紡織地毯、床墊、泡綿以及不用於服裝的大型塗層產品

<sup>26</sup> Refer also to item 5.5. of this standard / 另請參照本標準第 5.5 項

<sup>27</sup> No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume / 無模具異味, 高沸點汽油裂解氣味、無魚腥味、無芳香或香精氣味

**Annex 5 / 附錄 5**

Compilation of the individual substances for Annex 4, part 1 / 附錄 4 第 1 部分中的個別物質彙編

**Pesticides / 殺蟲劑**

Name / 名稱	CAS-Nr.	Name / 名稱	CAS-Nr.
2,4,5-T / 2,4,5-涕	93-76-5	Fenvalerate / 氰戊菊酯	51630-58-1
2,4-D / 2,4-滴	94-75-7	Heptachlor / 七氯	76-44-8
Acetamidiprid / 啉蟲腈	135410-20-7, 160430-64-8	Heptachloroepoxide / 環氧七氯	1024-57-3, 28044-83-9
Aldicarb / 涕滅威	116-06-3	Hexachlorobenzene / 六氯代苯	118-74-1
Aldrine / 艾氏劑	309-00-2	Hexachlorocyclohexane, $\alpha$ - / $\alpha$ -六六六	319-84-6
Azinophosethyl / 益棉磷/乙基谷硫磷	2642-71-9	Hexachlorocyclohexane, $\beta$ - / $\beta$ -六六六	319-85-7
Azinophosmethyl / 保棉磷/谷硫磷	86-50-0	Hexachlorocyclohexane, $\delta$ - / $\delta$ -六六六	319-86-8
Bromophos-ethyl / 乙基溴硫磷	4824-78-6	Imidacloprid / 吡蟲啉	105827-78-9, 138261-41-3
Captafol / 敵菌丹	2425-06-1	Isodrine / 異艾氏劑	465-73-6
Carbaryl / 甲萘威	63-25-2	Kelevane / 克來範	4234-79-1
Chlorbenzilate / 乙酯殺蟎醇	510-15-6	Kepone / 十氯酮	143-50-0
Chlordane / 氯丹	57-74-9	Lindane / 林丹	58-89-9
Chlordimeform / 克死蟎	6164-98-3	Malathion / 馬拉硫磷	121-75-5
Chlorfenvinphos / 毒蟲畏	470-90-6	MCPA / 2-甲-4-氯(苯氧)乙酸	94-74-6
Clothianidin / 可尼丁	210880-92-5	MCPB / 2-甲-4-氯(苯氧)丁酸	94-81-5
Coumaphos / 香豆磷/蠅毒磷	56-72-4	Mecoprop / 2-甲-4-氯(苯氧)丙酸	93-65-2
Cyfluthrin / 氟氯菊酯	68359-37-5	Metamidophos / 甲胺磷	10265-92-6
Cyhalothrin / $\lambda$ -氯氟菊酯	91465-08-6	Methoxychlor / 甲氧滴滴涕	72-43-5
Cypermethrin / 氯氟菊酯	52315-07-8	Mirex / 滅蟻靈	2385-85-5
DEF / 脫葉磷	78-48-8	Monocrotophos / 久效磷	6923-22-4
Deltamethrin / 溴氟菊酯	52918-63-5	Nitenpyram / 烯啶蟲胺	150824-47-8, 120738-89-8
DDD / 米托坦	53-19-0, 72-54-8	Parathion / 對硫磷	56-38-2
DDE / 滴滴伊	3424-82-6, 72-55-9	Parathion-methyl / 甲基對硫磷	298-00-0
DDT / 滴滴涕	50-29-3, 789-02-6	Perthane / 乙滴滴	72-56-0
Diazinon / 二嗪農	333-41-5	Phosdrin / Mevinphos / 速滅磷 / 磷君	7786-34-7
Dichlorprop / 2,4-滴丙酸	120-36-5	Phosphamidone / 磷胺	13171-21-6
Dicrotophos / 白治磷	141-66-2	Propethamphos / 烯蟲磷/胺丙畏	31218-83-4
Dieldrine / 狄氏劑	60-57-1	Profenophos / 丙溴磷	41198-08-7
Dimethoate / 樂果	60-51-5	Strobane / 毒殺芬	8001-50-1
Dinoseb, its salts and acetate / 地樂酚, 及其鹽和醋酸鹽	88-85-7 et. al.	Quinalphos / 喹硫磷	13593-03-8
Dinotefuran / 呋蟲胺	165252-70-0	Telodrine / 噻氯靈	297-78-9
Endosulfan, $\alpha$ - / $\alpha$ -硫丹	959-98-8	Thiacloprid / 噻蟲啉	111988-49-9
Endosulfan, $\beta$ - / $\beta$ -硫丹	33213-65-9	Thiamethoxam / 噻蟲嗪	153719-23-4
Endrine / 異狄氏劑	72-20-8	Toxaphene / 毒殺芬	8001-35-2
Esfenvalerate / 高效氰戊菊酯	66230-04-4	Trifluralin / 氟樂靈	1582-09-8
<b>Glyphosate and salts / 草甘膦及其鹽</b>	1071-83-6		
(e.g. / 例 Isopropylammonium - salt / - 草甘膦異丙胺鹽,	38641-94-0		
potassium salt / 鉀鹽,	70901-12-1		
ammonium salt / 銨鹽)	40465-66-5 et.al.		

**Chlorinated phenols / 氯化苯酚**

Name / 名稱	CAS-Nr.	Name / 名稱	CAS-Nr.
Pentachlorophenol / 五氯苯酚	87-86-5	2,3-Dichlorophenol / 2,3-二氯苯酚	576-24-9
2,3,4,5-Tetrachlorophenol / 2,3,4,5-四氯苯酚	4901-51-3	2,4-Dichlorophenol / 2,4-二氯苯酚	120-83-2
2,3,4,6-Tetrachlorophenol / 2,3,4,6-四氯苯酚	58-90-2	2,5-Dichlorophenol / 2,5-二氯苯酚	583-78-8
2,3,5,6-Tetrachlorophenol / 2,3,5,6-四氯苯酚	935-95-5	2,6-Dichlorophenol / 2,6-二氯苯酚	87-65-0
2,3,4-Trichlorophenol / 2,3,4-三氯苯酚	15950-66-0	3,4-Dichlorophenol / 3,4-二氯苯酚	95-77-2
2,3,5-Trichlorophenol / 2,3,5-三氯苯酚	933-78-8	3,5-Dichlorophenol / 3,5-二氯苯酚	591-35-5
2,3,6-Trichlorophenol / 2,3,6-三氯苯酚	933-75-5	2-Chlorophenol / 2-氯苯酚	95-57-8
2,4,5-Trichlorophenol / 2,4,5-三氯苯酚	95-95-4	3-Chlorophenol / 3-氯苯酚	108-43-0
2,4,6-Trichlorophenol / 2,4,6-三氯苯酚	88-06-2	4-Chlorophenol / 4-氯苯酚	106-48-9
3,4,5-Trichlorophenol / 3,4,5-三氯苯酚	609-19-8		

**Annex 5 / 附錄 5**

Compilation of the individual substances for Annex 4, part 2 / 附錄 4 第 2 部分中的個別物質彙編

**Phthalates / 鄰苯二甲酸酯**

Name / 名稱	CAS-Nr.	Acronym
Benzylbutylphthalate / 鄰苯二甲酸丁基苄酯	85-68-7	BBP
Dibutylphthalate / 鄰苯二甲酸二丁酯	84-74-2	DBP
Diethylphthalate / 鄰苯二甲酸二乙酯	84-66-2	DEP
Dimethylphthalate / 鄰苯二甲酸二甲酯	131-11-3	DMP
Di-(2-ethylhexyl)phthalate / 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	DEHP
Di-(2-methoxyethyl)phthalate / 鄰苯二甲酸二(2-甲氧基乙基)酯	117-82-8	DMEP
Di-C6-8-branched alkylphthalates, C7 rich / 鄰苯二甲酸二(C6-8 支鏈)烷基酯 (富 C7)	71888-89-6	DIHP
Di-C7-11-branched and linear alkylphthalates / 鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯	68515-42-4	DHNUP
Dicyclohexylphthalate / 鄰苯二甲酸二環己酯	84-61-7	DCHP
Diethylphthalates, branched and linear / 鄰苯二甲酸二己酯 (支鏈與直鏈)	68515-50-4	DHxP
Di-iso-butylphthalate / 鄰苯二甲酸二異丁酯	84-69-5	DIBP
Di-iso-hexylphthalate / 鄰苯二甲酸二異己酯	71850-09-4	DIHxP
Di-iso-octylphthalate / 鄰苯二甲酸二異辛酯	27554-26-3	DIOP
Di-iso-nonylphthalate / 鄰苯二甲酸二異壬酯	28553-12-0, 68515-48-0	DINP
Di-iso-decylphthalate / 鄰苯二甲酸二異癸酯	26761-40-0, 68515-49-1	DIDP
Di-n-propylphthalate / 鄰苯二甲酸二丙酯	131-16-8	DPrP
Di-n-hexylphthalate / 鄰苯二甲酸二己酯	84-75-3	DHP
Di-n-octylphthalate / 鄰苯二甲酸二正辛酯	117-84-0	DNOP
Di-n-nonylphthalate / 鄰苯二甲酸二壬酯	84-76-4	DNP
Di-pentylphthalate (n-, iso-, or mixed) / 鄰苯二甲酸二戊酯(正、異-或其混合)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0	DPP
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters / 鄰苯二甲酸, 二-C6-10 烷基酯	68515-51-5	
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters / (癸基, 己基, 辛基)酯與 1,2-苯二甲酸的複合物	68648-93-1	

**Organic tin compounds / 有機錫化合物**

Name / 名稱	Acronym	Name / 名稱	Acronym
Dibutyltin / 二丁基錫	DBT	Tetrabutyltin / 四丁基錫	TeBT
Dimethyltin / 二甲基錫	DMT	Tetraethyltin / 四乙基錫	TeET
Diocetyl tin / 二辛基錫	DOT	Tributyltin / 三丁基錫	TBT
Diphenyltin / 二苯基錫	DPhT	Tricyclohexyltin / 三環乙基錫	TCyHT
Dipropyltin / 二丙基錫	DPT	Trimethyltin / 三甲基錫	TMT
Monomethyltin / 一甲基錫	MMT	Triocetyl tin / 三辛基錫	TOT
Monobutyltin / 一丁基錫	MBT	Triphenyltin / 三苯基錫	TPHT
Monooctyltin / 一辛基錫	MOT	Tripropyltin / 三丙基錫	TPT
Monophenyltin / 一苯基錫	MPhT		

**Arylamines having carcinogenic properties, cleavable arylamines / 會致癌的芳香胺, 可裂解的芳香胺**

Name / 名稱	CAS-Nr.	Name / 名稱	CAS-Nr.
<b>MAK III, category 1 / MAK III, 第一類別</b>		<b>MAK III, category 1 / MAK III, 第一類別</b>	
4-Aminobiphenyl / 4-氨基聯苯	92-67-1	4-Chloro-o-toluidine / 4-氯-鄰-氨基甲苯	95-69-2
Benzidine / 聯苯胺	92-87-5	2-Naphthylamine / 2-萘胺	91-59-8
<b>MAK III, category 2 / MAK III, 第二類別</b>		<b>MAK III, category 2 / MAK III, 第二類別</b>	
o-Aminoazotoluene / 鄰氨基偶氮甲苯	97-56-3	4,4'-Methylene-bis-(2-chloroaniline) / 4,4'-並甲基-(2-氯苯胺)	101-14-4
2-Amino-4-nitrotoluene / 2-氨基-4-硝基甲苯	99-55-8	4,4'-Oxydianiline / 4,4'-二氨基二苯醚	101-80-4
4-Chloroaniline / 4-氯苯胺	106-47-8	4,4'-Thiodianiline / 4,4'-二氨基二苯硫醚	139-65-1
2,4-Diaminoanisole / 2,4'-二氨基苯甲醚	615-05-4	o-Toluidine / 鄰氨基甲苯	95-53-4
4,4'-Diaminodiphenylmethane / 4,4'-二氨基聯苯甲烷	101-77-9	2,4-Toluylenediamine / 2,4-二氨基甲苯	95-80-7
3,3'-Dichlorobenzidine / 3,3'-二氯聯苯胺	91-94-1	2,4,5-Trimethylaniline / 2,4,5-三甲基苯胺	137-17-7
3,3'-Dimethoxybenzidine / 3,3'-二甲氧基聯苯胺	119-90-4	o-Anisidine (2-Methoxyaniline) / 鄰氨基苯甲醚	90-04-0
3,3'-Dimethylbenzidine / 3,3'-二甲基聯苯胺	119-93-7	4-Aminoazobenzene / 4-氨基偶氮苯	60-09-3
4,4'-Methylenedi-o-toluidine / 4,4'-二氨基-3,3'-二甲基聯苯甲烷	838-88-0	2,4-Xylidine / 2,4-二甲基苯胺	95-68-1
p-Cresidine (6-Methoxy-m-toluidine) / 3-氨基對甲苯甲醚	120-71-8	2,6-Xylidine / 2,6-二甲基苯胺	87-62-7

**Other Arylamines, cleavable arylamines; amine salts / 其它芳香胺, 可裂解的芳香胺; 胺鹽**

Name / 名稱	CAS-Nr.	Name / 名稱	CAS-Nr.
Aniline / 苯胺	62-53-3	2-Naphthylammoniumacetate / 2-萘胺乙酸鹽	553-00-4
4-Chloro-o-toluidinium chloride / 4-氯-鄰甲苯胺鹽酸鹽	3165-93-3	2,4-Diaminoanisole sulphate / 2,4-二氨基苯甲醚硫酸鹽	39156-41-9
2,4,5-Trimethylaniline hydrochloride / 2,4,5-三甲基苯胺鹽酸鹽	21436-97-5		



**Annex 5 / 附錄 5**

Compilation of the individual substances for Annex 4, part 3 / 附錄 4 第 3 部分中的個別物質彙編

**Dyestuffs and pigments classified as carcinogenic / 致癌染料及塗料**

<u>C.I. Generic Name</u>	<u>C.I. Structure number</u>	<u>CAS-Nr.</u>
C.I. Acid Red 26	C.I. 16 150	3761-53-3
C.I. Acid Red 114		6459-94-5
C.I. Basic Blue 26 (with ≥ 0.1 % Michler's ketone or base)		2580-56-5
C.I. Basic Red 9	C.I. 42 500	569-61-9
C.I. Basic Violet 3 (with ≥ 0.1 % Michler's ketone or base)		548-62-9
C.I. Basic Violet 14	C.I. 42 510	632-99-5
C.I. Direct Black 38	C.I. 30 235	1937-37-7
C.I. Direct Blue 6	C.I. 22 610	2602-46-2
C.I. Direct Blue 15		2429-74-5
C.I. Direct Brown 95		16071-86-6
C.I. Direct Red 28	C.I. 22 120	573-58-0
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
C.I. Disperse Orange 11	C.I. 60 700	82-28-0
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Solvent Yellow 1 (4-Aminoazobenzene / Aniline Yellow)	C.I. 11100	60-09-3
C.I. Solvent Yellow 3 (o-Aminoazotoluene / o-Aminoazotoluol)		97-56-3
C.I. Pigment Red 104 (Lead chromate molybdate sulphate red)	C.I. 77 605	12656-85-8
C.I. Pigment Yellow 34 (Lead sulfochromate yellow)	C.I. 77 603	1344-37-2

**Dyestuffs classified as allergenic / 致敏染料**

<u>C.I. Generic Name</u>	<u>C.I. Structure number</u>	<u>CAS-Nr.</u>
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
C.I. Disperse Blue 3	C.I. 61 505	2475-46-9
C.I. Disperse Blue 7	C.I. 62 500	3179-90-6
C.I. Disperse Blue 26	C.I. 63 305	
C.I. Disperse Blue 35		12222-75-2
C.I. Disperse Blue 102		12222-97-8
C.I. Disperse Blue 106		12223-01-7
C.I. Disperse Blue 124		61951-51-7
C.I. Disperse Brown 1		23355-64-8
C.I. Disperse Orange 1	C.I. 11 080	2581-69-3
C.I. Disperse Orange 3	C.I. 11 005	730-40-5
C.I. Disperse Orange 37 (= 59 / = 76)	C.I. 11 132	
C.I. Disperse Orange 59	C.I. 11 132	
C.I. Disperse Orange 76	C.I. 11 132	
C.I. Disperse Red 1	C.I. 11 110	2872-52-8
C.I. Disperse Red 11	C.I. 62 015	2872-48-2
C.I. Disperse Red 17	C.I. 11 210	3179-89-3
C.I. Disperse Yellow 1	C.I. 10 345	119-15-3
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5
C.I. Disperse Yellow 39		
C.I. Disperse Yellow 49		

**Other banned dyestuffs / 其他禁用染料**

<u>C.I. Generic Name</u>	<u>C.I. Structure number</u>	<u>CAS-Nr.</u>
C.I. Basic Green 4 (chloride)		569-64-2
C.I. Basic Green 4 (free)		10309-95-2
C.I. Basic Green 4 (oxalate)		2437-29-8, 18015-76-4
C.I. Disperse Orange 149		85136-74-9
C.I. Disperse Yellow 23	C.I. 26 070	6250-23-3
Navy Blue (Index-Nr. 611-070-00-2; EG-Nr. 405-665-4)		

Annex 5 / 附錄 5

Compilation of the individual substances for Annex 4, part 4 / 附錄 4 第 4 部分中的個別物質彙編

Chlorinated benzenes and toluenes / 氯化苯及氯化甲苯

Chlorobenzene / 氯苯	Chlorotoluenes / 氯甲苯
Dichlorobenzenes / 二氯苯	Dichlorotoluenes / 二氯甲苯
Trichlorobenzenes / 三氯苯	Trichlorotoluenes / 三氯甲苯
Tetrachlorobenzenes / 四氯苯	Tetrachlorotoluenes / 四氯甲苯
Pentachlorobenzene / 五氯苯	Pentachlorotoluene / 五氯甲苯
Hexachlorobenzene / 六氯苯	

Polycyclic aromatic hydrocarbons (PAHs) / 多環芳烴

Name / 名稱	CAS-Nr.	Name / 名稱	CAS-Nr.
Acenaphthene / 芴	83-32-9	Dibenzo[a,h]anthracene / 二苯並[a,h]蒽	53-70-3
Acenaphthylene / 芴烯	208-96-8	Dibenzo[a,e]pyrene / 二苯並[a,e]芘	192-65-4
Anthracene / 蒽	120-12-7	Dibenzo[a,h]pyrene / 二苯並[a,h]芘	189-64-0
Benzo[a]anthracene / 苯並[a]蒽	56-55-3	Dibenzo[a,i]pyrene / 二苯並[a,i]芘	189-55-9
Benzo[a]pyrene / 苯並[a]芘	50-32-8	Dibenzo[a,l]pyrene / 二苯並[a,l]芘	191-30-0
Benzo[b]fluoranthene / 苯並[b]芴	205-99-2	Fluoranthene / 芴	206-44-0
Benzo[e]pyrene / 苯並[e]芘	192-97-2	Fluorene / 芴	86-73-7
Benzo[ghi]perylene / 苯並[ghi]芘(二萘嵌苯)	191-24-2	Indeno[1,2,3-cd]pyrene / 茛並[1,2,3-cd]芘	193-39-5
Benzo[j]fluoranthene / 苯並[j]芴	205-82-3	1-Methylpyrene / 1-甲基芘	2381-21-7
Benzo[k]fluoranthene / 苯並[k]芴	207-08-9	Naphthalene / 萘	91-20-3
Chrysene / 屈	218-01-9	Phenanthrene / 菲	85-01-8
Cyclopenta[c,d]pyrene / 環戊並[c,d]芘	27208-37-3	Pyrene / 芘	129-00-0

Forbidden flame retardant substances / 禁用阻燃物質

Name / 名稱	CAS-Nr.	Acronym
Polybromobiphenyls (Polybrominated biphenyls) / 多溴聯苯	59536-65-1	PBBs
Monobromobiphenyls / 一溴聯苯	various	MonoBB
Dibromobiphenyls / 二溴聯苯	various	DiBB
Tribromobiphenyls / 三溴聯苯	various	TriBB
Tetrabromobiphenyls / 四溴聯苯	various	TetraBB
Pentabromobiphenyls / 五溴聯苯	various	PentaBB
Hexabromobiphenyls / 六溴聯苯	various	HexaBB
Heptabromobiphenyls / 七溴聯苯	various	HeptaBB
Octabromobiphenyls / 八溴聯苯	various	OctaBB
Nonabromobiphenyls / 九溴聯苯	various	NonaBB
Decabromobiphenyl / 十溴聯苯	13654-09-6	DecaBB
Polybrominated diphenyl ethers / 多溴聯苯醚	various	PBDEs
Monobromodiphenylethers / 一溴聯苯醚	various	MonoBDEs
Dibromodiphenylethers / 二溴聯苯醚	various	DiBDEs
Tribromodiphenylethers / 三溴聯苯醚	various	TriBDEs
Tetrabromodiphenylethers / 四溴聯苯醚	various, 40088-47-9	TetraBDEs
Pentabromodiphenylethers / 五溴聯苯醚	various, 32534-81-9	PentaBDEs
Hexabromodiphenylethers / 六溴聯苯醚	various, 36483-60-0	HexaBDEs
Heptabromodiphenylethers / 七溴聯苯醚	various, 68928-80-3	HeptaBDEs
Octabromodiphenylethers / 八溴聯苯醚	various, 32536-52-0	OctaBDEs
Nonabromodiphenylethers / 九溴聯苯醚	various, 63936-56-1	NonaBDEs
Decabromodiphenylether / 十溴聯苯醚	1163-19-5	DecaBDE
Tri(2,3-dibromopropyl)phosphate / 三(2,3-二溴丙基)磷酸酯	126-72-7	TRIS
Tris(2-chloroethyl)phosphate / 磷酸三(2-氯乙基)酯	115-96-8	TCEP
Hexabromocyclododecane and all main diastereomers identified (alpha-, beta-, gamma-) / 六溴環十二烷及其所有已鑑定的主要非對映異構體 (α-, β-, γ-)	various, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4	HBCDD
Tetrabromobisphenol A / 四溴雙酚 A	79-94-7	TBBPA
Bis(2,3-dibromopropyl)phosphate / 二(2,3-二溴丙基)磷酸酯	5412-25-9	BIS
2,2-Bis(bromomethyl)-1,3-propanediol / 2,2-雙(溴甲基)-1,3-丙二醇	3296-90-0	BBMP
Tris(1,3-dichloro-iso-propyl)phosphate / 三-(1,3-二氯-2-丙基)磷酸酯	13674-87-8	TDCPP
Tris(aziridinyl)phosphin oxide / 三(吖丙啶基)氧化磷	545-55-1	TEPA
Boric acid / 硼酸	10043-35-3, 11113-50-1	
Diboron trioxide / 三氧化二硼	1303-86-2	
Disodium tetraborate, anhydrous / 無水四硼酸鈉	1303-96-4, 1330-43-4, 12179-04-3	
Disodium octaborate / 八硼酸鈉	12008-41-2	
Tetraboron disodium heptaoxide, hydrate / 七水合四硼酸鈉	12267-73-1	
Short chain chlorinated paraffins (C10 - C13) / 短鏈氯化石蠟(C10-C13)	85535-84-8	SCCP
Medium chain chlorinated paraffins (C14 - C17) / 中鏈氯化石蠟(C14-C17)	85535-85-9	MCCP
Trixylylphosphate / 磷酸三(二甲苯)酯	25155-23-1	TXP



**Annex 5 / 附錄 5**

Compilation of the individual substances for Annex 4, part 5 / 附錄 4 第 5 部分中的個別物質彙編

**Solvent residues / 溶劑殘留**

Name / 名稱	CAS-Nr.	Acronym
1-Methyl-2-pyrrolidone / N-甲基吡咯烷酮	872-50-4	NMP
N,N-Dimethylacetamide / N,N-二甲基乙酰胺	127-19-5	DMAc
N,N-Dimethylformamide / N,N-二甲基甲酰胺	68-12-2	DMF
Formamide / 甲酰胺	75-12-7	

**Surfactant, wetting agent residues / 殘餘表面活性劑, 潤濕劑**

Name / 名稱	CAS-Nr.	Acronym
Nonylphenol / 壬基苯酚	various	NP
Octylphenol / 辛基苯酚	various	OP
Heptylphenol / 庚基苯酚	various	HpP
Pentylphenol / 戊基苯酚	various	PeP
Nonylphenoethoxylates / 壬基酚聚氧乙烯醚	various	NP(EO)
Octylphenoethoxylates / 辛基酚聚氧乙烯醚	various	OP(EO)

**Other chemical residues / 其他殘餘化學物**

Name / 名稱	CAS-Nr.	Acronym
Aniline / 苯胺	62-53-3	
Benzene / 苯	71-43-2	
Bisphenol A (4,4'-Isopropylidenediphenol) / 雙酚 A (4,4'-亞異丙基二苯酚)	80-05-7	BPA
Diazene-1,2-dicarboxamide / 偶氮二甲酰胺	123-77-3	ADCA
Dimethylfumarate / 富馬酸二甲酯	624-49-7	DMFu
Phenol / 苯酚	108-95-2	
o-Phenylphenol / 鄰苯基苯酚	90-43-7	OPP
Quinoline (Chinoline / Benzo[b]pyridine) / 喹啉 (膽鹼/苯並[b]吡啶)	91-22-5	
Tris(2-chloroethyl)phosphate / 磷酸三(2-氯乙基)酯	115-96-8	TCEP

**UV stabilizers / 紫外線穩定劑**

Name / 名稱	CAS-Nr.	Acronym
2-Benzotriazol-2-yl-4,6-di-tert-butylphenol	3846-71-7	UV 320
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	UV 327
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1	UV 328
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	36437-37-3	UV 350

**Chlorinated paraffins / 氯化石蠟**

Name / 名稱	CAS-Nr.	Acronym
Short chain chlorinated paraffins (C10 - C13) / 短鏈氯化石蠟(C10-C13)	85535-84-8	SCCP
Medium chain chlorinated paraffins (C14 - C17) / 中鏈氯化石蠟(C14-C17)	85535-85-9	MCCP

**Siloxanes / 矽氧烷**

Name / 名稱	CAS-Nr.	Acronym
Octamethylcyclotetrasiloxane / 八甲基環四矽氧烷	556-67-2	D4
Decamethylcyclopentasiloxane / 十甲基環五矽氧烷	541-02-6	D5
Dodecamethylcyclohexasiloxane / 十二甲基環六矽氧烷	540-97-6	D6

**Annex 5 / 附錄 5**

Compilation of the individual substances for Annex 4, part 6 / 附錄 4 第 6 部分中的個別物質彙編

**N-Nitrosamines; N-nitrosatable substances / 亞硝酸胺 ; 亞硝酸基物質**

Name / 名稱	CAS-Nr.	Acronym
N-Nitrosodibenzylamine / N-硝基聯苄基胺	5336-53-8	NDBzA
N-Nitrosodibutylamine / N-亞硝基二丁胺	924-16-3	NDBA
N-Nitrosodiethanolamine / N-二乙醇亞硝酸胺	1116-54-7	NDELA
N-Nitrosodiethylamine / N-二乙基亞硝酸胺	55-18-5	NDEA
N-Nitrosodiisobutylamine / N-亞硝基二異丁胺	997-95-5	NDiBA
N-Nitrosodiisononylamine / N-亞硝基二異壬胺	1207995-62-7	NDiNA
N-Nitrosodiisopropylamine / N-亞硝基二異丙胺	601-77-4	NDiPA
N-Nitrosodimethylamine / N-亞硝基二甲胺	62-75-9	NDMA
N-Nitrosodipropylamine / N-亞硝基二丙胺	621-64-7	NDPA
N-Nitrosomorpholine / N-亞硝基嗎啉	59-89-2	NMOR
N-Nitroso-N-ethyl-N-phenylamine / N-亞硝基-N-乙基苯胺	612-64-6	NEPhA
N-Nitroso-N-methyl-N-phenylamine / N-亞硝基-N-甲基苯胺	614-00-6	NMPHA
N-Nitroso-piperidine / N-亞硝基哌啶	100-75-4	NPiP
N-Nitroso-pyrrolidine / N-亞硝基吡咯烷	930-55-2	NPYR

**PFCs, Per- and polyfluorinated compounds / PFCs,全氟及多氟化合物**

Name / 名稱	CAS-Nr.	Acronym
Perfluorooctane sulfonic acid and sulfonates / 全氟辛烷磺酸和磺酸鹽	1763-23-1, et. al.	PFOS
Perfluorooctane sulfonamide / 全氟辛烷磺酰胺	754-91-6	PFOSA
Perfluorooctane sulfonfluoride / 全氟辛烷磺酰氟	307-35-7	PFOSF / POSF
N-Methyl perfluorooctane sulfonamide / N-甲基全氟辛烷磺酰胺	31506-32-8	N-Me-FOSA
N-Ethyl perfluorooctane sulfonamide / N-乙基全氟辛烷磺酰胺	4151-50-2	N-Et-FOSA
N-Methyl perfluorooctane sulfonamide ethanol / N-甲基全氟辛烷磺酰胺乙醇	24448-09-7	N-Me-FOSE
N-Ethyl perfluorooctane sulfonamide ethanol / N-乙基全氟辛烷磺酰胺乙醇	1691-99-2	N-Et-FOSE
Perfluoroheptanoic acid and salts / 全氟庚酸及其鹽	375-85-9, et. al.	PFFHpA
Perfluorooctanoic acid and salts / 全氟辛酸及其鹽	335-67-1, et. al.	PFOA
Perfluorononanoic acid and salts / 全氟壬酸及其鹽	375-95-1, et. al.	PFNA
Perfluorodecanoic acid and salts / 全氟癸酸及其鹽	335-76-2, et. al.	PFDA
Henicosafuoroundecanoic acid and salts / 全氟十一烷酸及其鹽	2058-94-8, et. al.	PFUdA
Tricosafuorododecanoic acid and salts / 全氟十二烷酸及其鹽	307-55-1, et. al.	PFDoA
Pentacosafuorotridecanoic acid and salts / 全氟十三烷酸及其鹽	72629-94-8, et. al.	PFTrDA
Heptacosafuorotetradecanoic acid and salts / 全氟十四烷酸及其鹽	376-06-7, et. al.	PFTeDA

**Others / 其他**

**Further Perfluorinated carboxylic acids / 更多全氟羧酸**

Perfluorobutanoic acid and salts / 全氟丁酸及其鹽	375-22-4, et. al.	PFBA
Perfluoropentanoic acid and salts / 全氟戊酸及其鹽	2706-90-3, et. al.	PFPeA
Perfluorohexanoic acid and salts / 全氟己酸及其鹽	307-24-4, et. al.	PFFhxA
Perfluoro(3,7-dimethyloctanoic acid) and salts / 全氟-3,7-二甲基辛酸及其鹽	172155-07-6, et. al.	PF-3,7-DMOA

**Perfluorinated sulfonic acids / 全氟辛烷磺酸**

Perfluorobutane sulfonic acid and salts / 全氟丁烷磺酸及其鹽	375-73-5, 59933-66-3, et. al.	PFBS
Perfluorohexane sulfonic acid and salts / 全氟己烷磺酸及其鹽	355-46-4, et. al.	PFFhXS
Perfluoroheptane sulfonic acid and salts / 全氟庚烷磺酸及其鹽	375-92-8, et. al.	PFFHpS
Henicosafuorodecane sulfonic acid and salts / 二十一氟癸烷磺酸及其鹽	335-77-3, et. al.	PFDS

**Partially fluorinated carboxylic / sulfonic acids / 部分氟化羧酸/磺酸**

7H-Perfluoro heptanoic acid and salts / 7H-全氟庚酸及其鹽	1546-95-8, et. al.	7HPFFHpA
2H,2H,3H,3H-Perfluoroundecanoic acid and salts / 2H,2H,3H,3H-全氟十一烷酸及其鹽	34598-33-9, et. al.	4HPFUnA
1H,1H,2H,2H-Perfluorooctane sulfonic acid and salts / 1H,1H,2H,2H-全氟辛烷磺酸及其鹽	27619-97-2, et. al.	1H,1H,2H,2H-PFOS

**Partially fluorinated linear alcohols / 部分氟化線性醇**

1H,1H,2H,2H-Perfluoro-1-hexanol / 1H, 1H, 2H, 2H-全氟-1-己醇	2043-47-2	4:2 FTOH
1H,1H,2H,2H-Perfluoro-1-octanol / 1H, 1H, 2H, 2H-全氟-1-辛醇	647-42-7	6:2 FTOH
1H,1H,2H,2H-Perfluoro-1-decanol / 1H, 1H, 2H, 2H-全氟-1-癸醇	678-39-7	8:2 FTOH
1H,1H,2H,2H-Perfluoro-1-dodecanol / 1H, 1H, 2H, 2H-全氟-1-十二醇	865-86-1	10:2 FTOH

**Esters of fluorinated alcohols with acrylic acid / 氟化醇與丙烯酸酯**

1H,1H,2H,2H-Perfluorooctyl acrylate / 1H, 1H, 2H, 2H-全氟辛基丙烯酸酯	17527-29-6	6:2 FTA
1H,1H,2H,2H-Perfluorodecyl acrylate / 1H, 1H, 2H, 2H-全氟癸基丙烯酸酯	27905-45-9	8:2 FTA
1H,1H,2H,2H-Perfluorododecyl acrylate / 1H, 1H, 2H, 2H-全氟十二烷基丙烯酸酯	17741-60-5	10:2 FTA