

附錄一：禁止使用的管制物質及其豁免規範。

附錄二：限制管制物質的使用及其豁免規範。

附錄三：降低管制物質排放至環境中的要求

附錄四：管制物質存在於廢棄物中的要求。

來源	物質名稱	CAS No.	特殊豁免規範 及 附錄四限制濃度
附錄一	Tetrabromodiphenyl ether C ₁₂ H ₆ Br ₄ O	40088-47-9	1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of Tetrabromodiphenyl ether equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances. 2.For the purposes of the entries on tetra-, penta-, hexa-, hepta- and decaBDE, point (b) of Article 4(1) shall apply to the sum of the concentration of those substances up to 500 mg/kg where they are present in mixtures or articles, subject to review and assessment by the Commission by 16 July 2021. This review shall assess, inter alia, all relevant impacts with regard to health and the environment.
		and others	3.By way of derogation, the manufacturing, placing on the market and use of the following shall be allowed: electrical and electronic equipment within the scope of Directive 2011/65/EC of the European Parliament and of the Council (1). 4.Use of articles already in use in the Union before 25 August 2010 containing Tetrabromodiphenyl ether shall be allowed. Article 4(2), third and fourth subparagraphs shall apply in relation to such articles.
附錄一	Pentabromodiphenyl ether C ₁₂ H ₅ Br ₅ O	32534-81-9	1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of pentabromodiphenyl ether equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances. 2.For the purposes of the entries on tetra-, penta-, hexa-, hepta- and decaBDE, point (b) of Article 4(1) shall apply to the sum of the concentration of those substances up to 500 mg/kg where they are present in mixtures or articles, subject to review and assessment by the Commission by 16 July 2021. This review shall assess, inter alia, all relevant impacts with regard to health and the environment.
		and others	3.By way of derogation, the manufacturing, placing on the market and use of the following shall be allowed: electrical and electronic equipment within the scope of Directive 2011/65/EC. 4.Use of articles already in use in the Union before 25 August 2010 containing Pentabromodiphenyl ether shall be allowed. Article 4(2), third and fourth subparagraphs shall apply in relation to such articles.
附錄一	Hexabromodiphenyl ether C ₁₂ H ₄ Br ₆ O	36483-60-0	1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of hexabromodiphenyl ether equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances. 2.For the purposes of the entries on tetra-, penta-, hexa-, hepta- and decaBDE, point (b) of Article 4(1) shall apply to the sum of the concentration of those substances up to 500 mg/kg where they are present in mixtures or articles, subject to review and assessment by the Commission by 16 July 2021. This review shall assess, inter alia, all relevant impacts with regard to health and the environment.
		and others	3.By way of derogation, the manufacturing, placing on the market and use of the following shall be allowed: electrical and electronic equipment within the scope of Directive 2011/65/EC. 4.Use of articles already in use in the Union before 25 August 2010 containing Hexabromodiphenyl ether shall be allowed. Article 4(2), third and fourth subparagraphs shall apply in relation to such articles.
附錄一	Heptabromodiphenyl ether	68928-80-3	1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of heptabromodiphenyl ether equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances. 2.For the purposes of the entries on tetra-, penta-, hexa-, hepta- and decaBDE, point (b) of Article 4(1) shall apply to the sum of the concentration of those substances up to 500 mg/kg where they are present in mixtures or articles, subject to review and assessment by the Commission by 16 July 2021. This review shall assess, inter alia, all relevant impacts with regard to health and the environment.

C12H3Br7O		and others	<p>impacts with regard to health and the environment.</p> <p>3.By way of derogation, the manufacturing, placing on the market and use of the following shall be allowed: electrical and electronic equipment within the scope of Directive 2011/65/EC.</p> <p>4.Use of articles already in use in the Union before 25 August 2010 containing Heptabromodiphenyl ether shall be allowed. Article 4(2), third and fourth subparagraphs shall apply in relation to such articles.</p>
附錄一	Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE)	1163-19-5	<p>1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of decaBDE equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances.</p> <p>2.For the purposes of the entries on tetra-, penta-, hexa-, hepta- and decaBDE, point (b) of Article 4(1) shall apply to the sum of the concentrations of those substances up to 500 mg/kg where they are present in mixtures or articles, subject to review and assessment by the Commission by 16 July 2021. This review shall assess, inter alia, all relevant impacts with regard to health and the environment.</p> <p>3.By way of derogation, the manufacturing, placing on the market and use of decaBDE shall be allowed for the following purposes, provided that Member States report to the Commission by December 2019 in accordance with the Convention: (a)in the manufacturing of an aircraft, for which type approval has been applied for before 2 March 2019 and has been received before December 2022, until 18 December 2023, or, in cases where the continuing need is justified, until 2 March 2027; (b)in the manufacturing of spare parts for either of the following: (i)an aircraft, for which type approval has been applied for before 2 March 2019 and has been received before December 2022, produced before 18 December 2023, or, in cases where the continuing need is justified, produced before 2 March 2027, until the end of service life of that aircraft; (ii)motor vehicles within the scope of Directive 2007/46/EC of the European Parliament and of the Council (2), produced before 15 July 2019, either until 2036 or the end of service life of those motor vehicles, whichever date comes earlier; (c)electric and electronic equipment within the scope of Directive 2011/65/EC.</p> <p>4.The specific exemptions for spare parts for use in motor vehicles referred to in point 2(b)(ii) shall apply for the manufacturing and use of commercial decaBDE falling into one or more of the following categories:</p>
附錄一	Perfluorooctane sulfonic acid and its derivatives (PFOS) C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7 and others	<p>1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of PFOS equal to or below 10 mg/kg (0,001 % by weight) where it is present in substances or in mixtures.</p> <p>2.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of PFOS in semi-finished products or articles, or parts thereof, if the concentration of PFOS is lower than 0,1 % by weight calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is lower than 1 µg/m² of the coated material.</p> <p>3.Use of articles already in use in the Union before 25 August 2010 containing PFOS shall be allowed. Article 4(2), third and fourth subparagraphs shall apply in relation to such articles.</p> <p>4.If the quantity released into the environment is minimised, manufacturing and placing on the market is allowed for the following specific uses provided that Member States report to the Commission every four years on progress made to eliminate PFOS: mist suppressants for non-decorative hard chromium (VI) plating in closed loop systems. Where such a derogation concerns production or use in an installation within the scope of Directive 2008/1/EC of the European Parliament and of the Council (4), the relevant best available techniques for the prevention and minimisation of emissions of PFOS described in the information published by the Commission pursuant to Article 17(2), second subparagraph, of Directive 2008/1/EC shall apply. As soon as new information on details of uses and safer alternative substances or technologies becomes available, the Commission shall review the derogation in the second subparagraph so that: (a) the uses of PFOS will be phased out as soon as the use of safer alternatives is technically and economically feasible; (b)a derogation can only be continued for essential uses for which safer alternatives do not exist and where the efforts undertaken to find safer alternatives have been reported on; (c)releases of PFOS into the environment have been minimised by applying best available techniques.</p> <p>5.Once standards are adopted by the European Committee for Standardisation (CEN) they shall be used as the analytical test methods for demonstrating the conformity of substances, mixtures and articles to points 1 and 2. Any other analytical method for which the user can prove equivalent performance could be used as an alternative to the CEN standards.</p>

附錄一	DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	50-29-3	—
附錄一	Chlordane	57-74-9	—
附錄一	Hexachlorocyclohexanes, including lindane	58-89-9	—
		319-84-6	
		319-85-7	
		608-73-1	
附錄一	Dieldrin	60-57-1	—
附錄一	Endrin	72-20-8	—
附錄一	Heptachlor	76-44-8	—
附錄一	Endosulfan	115-29-7	1.Placing on the market and use of articles already in use before or on 10 July 2012 containing endosulfan shall be allowed. 2.Article 4(2), third and fourth subparagraphs shall apply to articles referred to in point 1.
		959-98-8	
		33213-65-9	
附錄一	Hexachlorobenzene	118-74-1	—
附錄一	Chlordecone	143-50-0	—
附錄一	Aldrin	309-00-2	—
附錄一	Pentachlorobenzene	608-93-5	—
附錄一	Polychlorinated Biphenyls (PCB)	1336-36-3	Without prejudice to Directive 96/59/EC, articles already in use at the time of the entry into force of this Regulation are allowed to be used. Member States shall identify and remove from use equipment (e.g. transformers, capacitors or other receptacles containing liquid stocks) containing more than 0,005 % PCBs and volumes greater than 0,05 dm ³ , as soon as possible but no later than 31 December 2025.
		and others	
附錄一	Mirex	2385-85-5	—
附錄一	Toxaphene	8001-35-2	—
附錄一	Hexabromobiphenyl	36355-01-8	—
附錄一	1 Hexabromocyclododecane 'Hexabromocyclododecane' means: hexabromocyclododecane, 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers: alpha-hexabromocyclododecane; beta-hexabromocyclododecane; and gamma-hexabromocyclododecane	25637-99-4	1.For the purposes of this entry, point (b) of Article 4(1) shall apply to concentrations of hexabromocyclododecane equal to or below 100 mg/kg (0,01 % by weight) where it is present in substances, mixtures, articles or as constituents of the flame-retarded articles, subject to review by the Commission by 22 March 2019. 2.Expanded polystyrene articles containing hexabromocyclododecane already in use in buildings before 21 February 2018 in accordance with Commission Regulation (EU) 2016/293 (5) and Commission Implementing Decision No 2016/C 12/06 (6), and extruded polystyrene articles containing hexabromocyclododecane already in use in buildings before 23 June 2016 may continue to be used. Article 4(2), third and fourth subparagraphs shall apply to such articles. 3.Without prejudice to the application of other Union provisions on the classification, packaging and labelling of substances and mixtures, expanded polystyrene placed on the market after 23 March 2016 in which hexabromocyclododecane was used shall be identifiable by labelling or other means throughout its life cycle.
		3194-55-6	
		134237-50-6	
		134237-51-7	
		134237-52-8	
附錄一	Hexachlorobutadiene	87-68-3	1.Placing on the market and use of articles already in use before or on 10 July 2012 containing hexachlorobutadiene shall be allowed. 2.Article 4(2), third and fourth subparagraphs shall apply to articles referred to in point 1.
附錄一	Pentachlorophenol and its salts and esters	87-86-5 and others	—
附錄一	Polychlorinated naphthalenes (7)	70776-03-3	1.Placing on the market and use of articles already in use before or on 10 July 2012 containing polychlorinated naphthalenes shall be allowed. 2.Article 4(2), third and fourth subparagraphs shall apply to articles referred to in point 1.
		and others	
附錄一	Alkanes C ₁₀ -C ₁₃ , chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8	1.By way of derogation, the manufacturing, placing on the market and use of substances or mixtures containing SCCPs in concentrations lower than 1 % by weight or articles containing SCCPs in concentrations lower than 0,15 % by weight shall be allowed. 2.Use shall be allowed in respect of: (a)conveyor belts in the mining industry and dam sealants containing SCCPs already in use before or on 4 December 2015; and (b)articles containing SCCPs other than those referred to in point (a) already in use before or on 10 July 2012. 3.The third and fourth subparagraphs of Article 4(2) shall apply to the articles referred to in point 2.
		and others	
附錄三	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	-	
附錄三	Polychlorinated biphenyls (PCB)	-	
附錄三	Hexachlorobenzene (HCB)	118-74-1	
附錄三	Polycyclic aromatic hydrocarbons (PAHs) (1)		
附錄三	Pentachlorobenzene	608-93-5	
附錄三	Hexachlorobutadiene	87-68-3	

附錄三	Polychlorinated naphthalenes	70776-03-3 and others	
附錄四	Endosulfan	115-29-7 959-98-8 33213-65-9	50 mg/kg
附錄四	Hexachlorobutadiene	87-68-3	100 mg/kg
附錄四	Polychlorinated naphthalenes (1)	-	10 mg/kg
附錄四	Alkanes C ₁₀ -C ₁₃ , chloro (short-cl	85535-84-8	10 000 mg/kg
附錄四	Tetrabromodiphenyl ether C ₁₂ H ₆ Br ₄ O	40088-47-9 and others	Sum of the concentrations of tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether: 1 000 mg/kg. The Commission shall review that concentration limit and shall, where appropriate and in accordance with the Treaties, adopt a legislative proposal to lower that value to 500 mg/kg. The Commission shall carry out such review as soon as possible and, in any event, not later than 16 July 2021.
附錄四	Pentabromodiphenyl ether C ₁₂ H ₅ Br ₅ O	32534-81-9 and others	
附錄四	Hexabromodiphenyl ether C ₁₂ H ₄ Br ₆ O	36483-60-0 and others	
附錄四	Heptabromodiphenyl ether C ₁₂ H ₃ Br ₇ O	68928-80-3 and others	
附錄四	Decabromodiphenyl ether C ₁₂ Br ₁₀ O	1163-19-5 and others	
附錄四	Perfluorooctane sulfonic acid and its derivatives (PFOS) C ₈ F ₁₇ SO ₂ X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)	1763-23-1	50 mg/kg
		2795-39-3	
		29457-72-5	
		29081-56-9	
		70225-14-8	
		56773-42-3	
		251099-16-8	
		4151-50-2	
		31506-32-8	
		1691-99-2	
		24448-09-7	
		307-35-7	
		and others	
附錄四	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PC		15 µg/kg (2)
附錄四	DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	50-29-3	50 mg/kg
附錄四	Chlordane	57-74-9	50 mg/kg
附錄四	Hexachlorocyclohexanes, including lindane	58-89-9	50 mg/kg
		319-84-6	
		319-85-7	
		608-73-1	
附錄四	Dieldrin	60-57-1	50 mg/kg
附錄四	Endrin	72-20-8	50 mg/kg
附錄四	Heptachlor	76-44-8	50 mg/kg
附錄四	Hexachlorobenzene	118-74-1	50 mg/kg
附錄四	Chlordecone	143-50-0	50 mg/kg
附錄四	Aldrin	309-00-2	50 mg/kg
附錄四	Pentachlorobenzene	608-93-5	50 mg/kg
附錄四	Polychlorinated Biphenyls (PCB)	1336-36-3 and others	50 mg/kg (3)
附錄四	Mirex	2385-85-5	50 mg/kg
附錄四	Toxaphene	8001-35-2	50 mg/kg
附錄四	Hexabromobiphenyl	36355-01-8	50 mg/kg
附錄四	Hexabromocyclododecane (4)	25637-99-4	1 000 mg/kg, subject to review by the Commission by 20 April 2019
		3194-55-6	
		134237-50-6	
		134237-51-7	
		134237-52-8	