Banned Substances

What are banned substances?

Chemical substances whose manufacture, use, etc. are prohibited by environmental laws and regulations. Depending on the application, use may be permitted.

- Substances listed are treated as "no intentional inclusion" but may be exempted by meeting specified conditions.
- If there are threshold values according to various laws and regulations, the minimum value among the threshold values specified for each condition is used.
- The percentage of ingredients contained is confirmed by chemSHERPA.
- © For substances that have not yet been chemSHERPA compliant or have not yet been applied under the promulgated laws and regulations, please cooperate with us by submitting a written pledge.
- © Even for chemSHERPA-compliant substances, we may ask you to submit a written pledge for certain reasons.

1. Japanese domestic laws and regulations

(1) Industrial Safety and Health Law Manufacturing prohibited substances (Article 55 of the Law, Article 16 of the Enforcement Order)
Industrial Safety and Health Act

https://elaws.e-gov.go.jp/document?lawid=347AC0000000057 (Japanese)

https://www.japaneselawtranslation.go.jp/ja/laws/view/3440 (For reference only, as it may not be the latest version.)

Order for Enforcement of Industrial Safety and Health Act

https://elaws.e-gov.go.jp/document?lawid=347C00000000318_20230118_505C0000000008 (Japanese)

https://www.japaneselawtranslation.go.jp/ja/laws/view/3817 (For reference only, as it may not be the latest version.)

N	o.	Substance name	CAS No.	Threshold (ppm)	Related laws and regulations
1a	1	Yellow phosphorus match	-		
1a	2	Benzidine and its salts	92-87-5(Typical)		
1a	3	4-aminodiphenyl and its salts	92-67-1 (TyTypical)		
1a	4	Asbestos %1	Banned−1	1000	
1a	5	4-nitrodiphenol and its salts	92-93-3(Typical)		Industrial Safety
1a	6	bis (chloromethyl) ether	542-88-1		and Health Act
1a	7	beta-naphthylamine and its salts	91-59-8(Typical)		
1a	8	Gum containing benzene, in which the volume of contained benzene exceeds 5 % of the solvent (including diluents) of the gum	-		

^{*1:}Among natural minerals, a non-asbestos certificate or other documentation must be submitted for bluesite, vermiculite, talc, mica, and wollastonite.

(2) Chemical Investigation Law (Class I)

Act on the Regulation of Manufacture and Evaluation of Chemical Substances

https://www.meti.go.jp/policy/chemical_management/kasinhou/files/about/laws/laws_r03060110.pdf (Japanese)

https://www.japaneselawtranslation.go.jp/ja/laws/view/3350 (For reference only, as it may not be the latest version.)

Order for Enforcement of the Act on the Regulation of Manufacture and Evaluation of Chemical Substances

https://www.meti.go.jp/policy/chemical_management/kasinhou/files/about/laws/laws_r03102220.pdf (Japanese)

https://www.japaneselawtranslation.go.jp/ja/laws/view/3455 (For reference only, as it may not be the latest version.)

Class I Specified Chemical Substance List

No.	Substance name	Date of application
1	Polychlorinated biphenyls	June 10, 1974
2	Polychlorinated naphthalenes (limited to those containing two or more chlorine atoms)	August 20, 1979
3	Hexachlorobenzene	(※1)
4	1, 2, 3, 4, 10, 10-hexachloro-1, 4, 4a, 5, 8, 8a-hexahydro-exo-1, 4-endo-5, 8-dimethanonaphthalene (also known as aldrin; referred to as "aldrin" in row (iii) of the table in Article 7)	
5	1, 2, 3, 4, 10, 10-hexachloro-6, 7-epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-exo-1, 4-endo-5, 8-dimethanonaphthalene (also known as dieldrin; referred to as "dieldrin" in row (iv) of the table in Article 7)	October 12, 1981
6	1, 2, 3, 4, 10, 10-hexachloro-6, 7-epoxy-1, 4, 4a, 5, 6, 7, 8, 8a-octahydro-endo-1, 4-endo-5, 8-dimethanonaphthalene (also known as endrin)	October 12, 1961
7	1, 1, 1-trichloro-2, 2-bis (4-chlorophenyl) ethane (also known as DDT; referred to as "DDT" in row (iii) of the table in Article 7)	7

8	1, 2, 4, 5, 6, 7, 8, 8-octachloro-2, 3, 3a, 4, 7, 7a-hexahydro-4, 7-methano-1H-indene, 1, 4, 5, 6, 7, 8, 8-heptachloro-3a, 4, 7, 7a-tetrahydro-4, 7-methano-1H-indene and their analogous compounds (also known as chlordane or heptachlor; referred to as "chlordanes" in row (v) of the table in Article 7)	September 17, 1986	
9	Bis (tributyltin) oxide	January 6, 1990	
10	N, N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine, or N, N'-dixylyl-p-phenylenediamine	1 00004	
11	2, 4, 6-tri-tert-butylphenol	January 6,2001	
12	Polychloro-2, 2-dimethyl-3-methylidenebicyclo [2. 2. 1] heptane (also known as toxaphene)	0 1 1 4 0000	
13	Dodecachloropentacyclo [5. 3. 0. 0. 0. 0] decane (also known as mirex; referred to as "mirex" in row (ix) of the table in Article 7)	September 4, 2002	
14	2, 2, 2-trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl) ethanol, or 2, 2, 2-trichloro-1, 1-bis (4-chlorophenyl) ethanol (also known as kelthane or dicofol)	April 1,2005	
15	Hexachlorobuta-1, 3-diene	(※2)	
16	2-(2H-1, 2, 3-benzotriazol-2-yl)-4, 6-di-tert-butylphenol	November 10, 2007	
17	Perfluoro (octane-1-sulfonic acid) (also known as PFOS; hereinafter referred to as "PFOS") or its salts		
18	Perfluoro (octane-1-sulfonyl) =fluoride (also known as PFOSF)		
19	Pentachlorobenzene		
20	r-1, c-2, t-3, c-4, t-5, t-6-hexachlorocyclohexane (also known as alpha- hexachlorocyclohexane)		
21	r=1, t=2, c=3, t=4, c=5, t=6=hexachlorocyclohexane (also known as beta= hexachlorocyclohexane)		
22	r-1, c-2, t-3, c-4, c-5, t-6-hexachlorocyclohexane (also known as gamma- hexachlorocyclohexane)	April 1,2010	
23	Decachloropentacyclo [5. 3. 0. 0(2, 6). 0(3, 9). 0(4, 8)] decan-5-one (also known as chlordecone)		
24	Hexabromobiphenyl		
25	Tetrabromo (phenoxybenzene) (also known as tetrabromodiphenyl ether; referred to as "tetrabromodiphenyl ether" in row (xii) of the table in Article 7)		
26	Pentabromo (phenoxybenzene) (also known as pentabromodiphenyl ether; referred to as "pentabromodiphenyl ether" in row (xiii) of the table in Article 7)		
27	Hexabromo (phenoxybenzene) (also known as hexabromodiphenyl ether)		
28	Heptabromo (phenoxybenzene) (also known as heptabromodiphenyl ether)		
29	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide (also known as endosulfan or benzoepin)	M 1 0014	
30	Hexabromocyclododecane	May 1, 2014	
31	Pentachlorophenol or its salts or esters	April 1, 2016	
32	Polychlorinated normal paraffin (limited those in which the carbon number is 10 through 13 and the content of chlorine is more than 48% of the total weight)	A . U 1 0010	
33	1,1'-oxybis (2,3,4,5,6-pentabromobenzene) (also known as decabromodiphenyl ether)	April 1, 2018	
34	Perfluorooctanoic acid (PFOA) and its salts	October 22, 2021	
35	PFOA-related compounds	January 10, 2025	
36	Perfluorohexanesulfonic acid (also known as PFHxS) or perfluoroalkanesulfonic acid (limited to those with a branched structure and six carbon atoms) or its salts	February 1, 2024	
37	2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328)	February 18, 2025	
38	1,1,1-Trichloro-2,2-bis(p-methoxyphenyl)ethane (Methoxychlor)	February 18, 2025	
39	1,2,3,4,7,8,9,10,13,13,14,14-dodecachloro-1,4,4a,5,6,6a,7,10,10a,11,12,12a-dodecahydro-4:7,10-Dimethanodibenzo[a,e][8]annulene	February 18, 2025	

^{※1:} The designation date for polychlorinated naphthalenes with a chlorine number of 2 is April 1, 2016.

※2: The designation date of 2,2,2-trichloro-1-(2-chlorophenyl)-1-(4-The designation date of 2,2,2-trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl) ethanol is October 22, 2021.

2. Europe/Americas

(1) RoHS restricted substances (Annex II)

RoHS Directive

https://environment.ec.europa.eu/topics/waste-and-recycling/rohs-directive en

Restricted substances (Annex II)

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32015L0863

No.	Substance name	Threshold	Date of application (category 9)
1	Cadmium (Cd)	0.01wt%	
2	Lead (Pb)	0.1wt%	
3	Mercury (Hg)	0.1wt%	
4	Hexavalent chromium (Cr6+)	0.1wt%	
5	Polybrominated biphenyls (PBB)	0.1wt%	July 22, 2019
6	Polybrominated diphenyl ethers (PBDE)	0.1wt%	(※1)
7	Bis (2-ethylhexyl) phthalate (DEHP)	0.1wt%	7
8	Butyl benzyl phthalate (BBP)	0.1wt%	

9	Dibutyl phthalate (DBP)	0.1wt%
10	Diisobutyl phthalate (DIBP)	0.1wt%

^{*1:} Applicable date for this case of RoHS 2 Directive; promulgated in June 2015 as 4 additional restricted substances (10 in total).

(2) Substances restricted under REACH (Annex XVII)

https://echa.europa.eu/substances-restricted-under-reach

No.	CAS No.	Substance name	Conditions of restriction	Latest amendments to the Conditions of restriction
1	-	Polychlorinated terphenyls (PCTs)	Shall not be placed on the market, or used: - as substances, - in mixtures, including waste oils, or in equipment, in concentrations greater than 50 mg/kg (0,005 % by weight).	
2	75-01-4	Chloroethene (vinyl chloride)	Shall not be used as propellant in aerosols for any use. Aerosols dispensers containing the substance as propellant shall not be placed on the market.	
3	-	Liquid substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:" (a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2,2.15 types A to F; (b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (c) hazard class 4.1; (d) hazard class 5.1.	 Shall not be used in: ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, Articles not complying with paragraph 1 shall not be placed on the market. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:	Paragraph 4 shall not apply to: If they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Stand- ardisation (CEN)."
5	71-43-2	Benzene	1. Shall not be used in toys or parts of toys where the concentration of benzene in the free state is greater than 5 mg/kg (0,0005 %) of the weight of the toy or part of toy. 2. Toys and parts of toys not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market, or used, — as a substance, — as a constituent of other substances, or in mixtures, in concentrations equal to, or greater than 0,1 % by weight.	Paragraph 3 shall not apply to: (a) motor fuels which are covered by Directive 98/70/ EC; (b) substances and mixtures for use in industrial processes not allowing for the emission of benzene in quantities in excess of those laid down in existing legislation; (c) natural gas placed on the market for use by consumers, provided that the concentration of benzene remains below 0,1 % volume/volume.
6	12001-28-4 12172-73-5 77536-67-5 77536-66-4 77536-68-6 12001-29-5 132207-32-0	Asbestos fibres (a) Crocidolite (b) Amosite (c) Anthophyllite (d) Actinolite (e) Tremolite (f) Chrysotile	The manufacture, placing on the market and use of these fibres and of articles and mixtures containing these fibres added intentionally is prohibited.	The use of articles containing asbestos fibres referred to in paragraph 1 which were already installed and/or in service before 1 January 2005 shall continue to be permitted until they are disposed of or reach the end of their service life. However, Member States may, for reasons of protection of human health, restrict, prohibit or make subject to specific conditions, the use of such articles before they are disposed of or reach the end of their service life.
7	545-55-1	Tris(aziridinyl)phosphinoxide	Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin. Articles not complying with paragraph 1 shall not be placed on the market.	
8	59536-65-1	Polybromobiphenyls; Polybrominatedbiphenyls (PBB)	 Shall not be used in textile articles, such as garments, undergarments and linen, intended to come into contact with the skin. Articles not complying with paragraph 1 shall not be placed on the market. 	

	68990-67-0 - - 92-87-5 552-89-6 -	(a) Soap bark powder (Quillaja saponaria) and its derivatives containing saponines (b) Powder of the roots of Helleborus viridis and Helleborus niger (c) Powder of the roots of Veratrum album and Veratrum nigrum (d) Benzidine and/or its derivatives (e) o-Nitrobenzaldehyde (f) Wood powder		Paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1,5 ml of liquid.
10	12135-76-1 12124-99-1 9080-17-5	(a) Ammonium sulphide(b) Ammonium hydrogen sulphide(c) Ammonium polysulphide	 Shall not be used, in jokes and hoaxes or in mixtures or articles intended to be used as such, for instance as a constituent of sneezing powder and stink bombs. Jokes and hoaxes, or mixtures or articles intended to be used as such, not complying with paragraph 1 shall not be placed on the market. 	Paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1,5 ml of liquid.
11	96-32-2 105-36-2 35223-80-4 18991-98-5	Volatile esters of bromoacetic acids (a) Methyl bromoacetate (b) Ethyl bromoacetate (c) Propyl bromoacetate (d) Butyl bromoacetate	 Shall not be used, in jokes and hoaxes or in mixtures or articles intended to be used as such, for instance as a constituent of sneezing powder and stink bombs. Jokes and hoaxes, or mixtures or articles intended to be used as such, not complying with paragraph 1 shall not be placed on the market. 	Paragraphs 1 and 2 shall not apply to stink bombs containing not more than 1,5 ml of liquid.
12	91-59-8	2-Naphthylamine and its salts	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.	
13	92-87-5	Benzidine and its salts	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.	
14	92-93-3	4-Nitrobiphenyl	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.	
15	92-67-1	4-Aminobiphenyl xenylamine and its salts	Shall not be placed on the market, or used, as substances or in mixtures in concentrations greater than 0,1 % by weight.	
16	598-63-0 1319-46-6	Lead carbonates: (a) Neutral anhydrous carbonate (PbCO3) (b) Trilead-bis(carbonate)-dihydroxide 2Pb CO3 Pb(OH)2	substance or mixture is intended for use as paint.	Member States may, in accordance with the provisions of International Labour Organization (ILO) Convention 13, permit the use on their territory of the substance or mixture, as well as the placing on the market for such use.
17	7446-14-2 15739-80-7	Lead sulphates: (a) PbSO4 (b) Pbx SO4	Shall not be placed on the market, or used, as substances or in mixtures, where the substance or mixture is intended for use as paint.	Member States may, in accordance with the provisions of International Labour Organization (ILO) Convention 13, permit the use on their territory of the substance or mixture, as well as the placing on the market for such use.
18	_	Mercury compounds	Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use: (a) to prevent the fouling by micro-organisms, plants or animals of: - the hulls of boats, - cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, - any totally or partly submerged appliances or equipment; (b) in the preservation of wood; (c) in the impregnation of heavy-duty industrial textiles and yarn intended for their manufacture; (d) in the treatment of industrial waters, irrespective of their use.	

4/33 (5th edition: 202503) Annex A

	7439-97-6	Mercury	Mercury1.Shall not be placed on the market:	The restriction in paragraph 1 shall not apply to measuring devices
18a	7433 37 0	Mer cury	(a) in fever thermometers; (b) in other measuring devices intended for sale to the general public (such as manometers, barometers, sphygmomanometers, thermometers other than fever thermometers). 2. The following mercury-containing measuring devices intended for industrial and professional uses shall not be placed on the market after 10 April 2014: (a) barometers; (b) hygrometers; (c) manometers; (d) sphygmomanometers; (e) strain gauges to be used with plethysmographs; (f) tensiometers and other non-electrical thermometric applications. The restriction shall also apply to measuring devices under points (a) to (g) which are placed on the market empty if intended to be filled with mercury. 3. The following mercury-using measuring devices intended for professional and industrial uses shall not be placed on the market after 10 April 2014: (a) mercury pycnometers; (b) mercury metering devices for determination of the softening point.	that were in use in the Community before 3 April 2009. However Member States may restrict or prohibit the placing on the market of such measuring devices. The restriction in paragraph 1(b) shall not apply to: (a) measuring devices more than 50 years old on 3 October 2007; (b) barometers (except barometers within point (a)) until 3 October 2009. The restriction in paragraph 2 shall not apply to: (a) sphygmomanometers to be used: (i) in epidemiological studies which are ongoing on 10 October 2012; (ii) as reference standards in clinical validation studies of mercury—
19		Arsenic compounds	1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use to prevent the fouling by micro-organisms, plants or animals of: - the hulls of boats, - cages, floats, nets and any other appliances or equipment used for fish or shellfish farming, any totally or partly submerged appliances or equipment. 2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters, irrespective of their use. 3. Shall not be used in the preservation of wood. Furthermore, wood so treated shall not be placed on the market. Treated wood referred to under derogation point (a) shall not be used: - in residential or domestic constructions, whatever the purpose, - in any application where there is a risk of repeated skin contact, - in marine waters, - for agricultural purposes other than for livestock fence posts and structural uses in accordance with point (b), - in any application where the treated wood may come into contact with intermediate or finished products intended for human and/or animal consumption.	market in accordance with paragraph 4 may remain in place and continue to be used until it reaches the end of its service life.

	I_	Organostannic compounds	1. Shall not be placed on the market, or used, as substances or in mixtures where the	Articles not complying with point 4(a) but were already in use in the
		,		Community before 1 January 2010.
			2. Shall not be placed on the market, or used, as substances or in mixtures where the	Articles not complying with point 5(a) but were already in use in the
			substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or	Community before 1 January 2012.
				By way of derogation, points 5(a) and 5(b) shall not apply until 1
			(a) all craft irrespective of their length intended for use in marine, coastal, estuarine and	January 2015 to the following articles and mixtures for supply to the
1				•
			inland waterways and lakes;	general public:
1			(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish	- one-component and two-component room temperature
			farming;	vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives,
			(c) any totally or partly submerged appliance or equipment.	- paints and coatings containing DBT compounds as catalysts when
			3. Shall not be placed on the market, or used, as substances or in mixtures where the	applied on articles,
			substance or mixture is intended for use in the treatment of industrial waters.	- soft polyvinyl chloride (PVC) profiles whether by themselves or
			4. Tri-substituted organostannic compounds:	coextruded with hard PVC,
			(a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and	- fabrics coated with PVC containing DBT compounds as stabilisers
			triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the	when intended for outdoor applications,
			concentration in the article, or part thereof, is greater than the equivalent of 0,1 $\%$ by weight	- outdoor rainwater pipes, gutters and fittings, as well as covering
			of tin.	material for roofing and facades.
			(b) Articles not complying with point 4(a) shall not be placed on the market after 1 July 2010.	
			5. Dibutyltin (DBT) compounds:	materials and articles regulated under Regulation (EC) No
			(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and	1935/2004.
20			articles for supply to the general public where the concentration in the mixture or the article,	
			or part thereof, is greater than the equivalent of 0,1 % by weight of tin.	Community before 1 January 2012.
			(b) Articles and mixtures not complying with point 5(a) shall not be placed on the market	
			after 1 January 2012.	
			6. Dioctyltin (DOT) compound:	
			(a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following	
			articles for supply to, or use by, the general public, where the concen- tration in the article,	
			or part thereof, is greater than the equivalent of 0,1 % by weight of tin:	
			- textile articles intended to come into contact with the skin,	
			- gloves,	
			- footwear or part of footwear intended to come into contact with the skin,	
			– wall and floor coverings,	
			- childcare articles,	
			- female hygiene products,	
			- nappies,	
			- two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).	
			(b)Articles not complying with point 6(a) shall not be placed on the market after 1 January	
			2012.	
			2012.	
				Shall not apply to this substance (DBB) or mixtures containing it if
		hydrogen borate C8H19BO3Sn (DBB)	equal to, or greater than 0,1 % by weight.	these are intended solely for conversion into articles, among which
21				this substance will no longer feature in a concen- tration equal to or
				greater than 0,1 %.
	•			•

	7440 40 0			In the second
	7440-43-9	Cadmium	polymers (hereafter referred to as plastic material): – polymers or copolymers of vinyl chloride (PVC)	By way of derogation, paragraph 1 shall not apply to articles placed on the market before 10 December 2011. By way of derogation, paragraphs 1 and 2 shall not apply to articles coloured with mixtures containing cadmium for safety reasons. By way of derogation, paragraph 1, second subparagraph shall not apply to: ? mixtures produced from PVC waste, hereinafter referred to as 'recovered PVC', ? mixtures and articles containing recovered PVC if their
23			the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,01 % by weight of the plastic material. 2. Shall not be used or placed on the market in paints with codes [3208] [3209] in a concentration (expressed as Cd metal) equal to or greater than 0,01 % by weight. Painted articles shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,1 % by weight of the paint on the painted article. 3. Shall not be used for cadmium plating metallic articles or components of the articles used in the following sectors/ applications: (a) equipment and machinery for food production, agriculture, cooling, freezing, printing and book-binding (b) equipment and machinery for the production of household goods, furniture, sanitary ware, central heating and air conditioning plant (c) equipment and machinery for the production of paper ,board, textiles and clothing (d) equipment and machinery for the production of industrial handling equipment, industrial handling machinery, road vehicles, agricultural vehicles, rolling stock and vessels. 4. Shall not be used in brazing fillers in concentration equal to or greater than 0,01 % by weight. Brazing fillers shall not be placed on the market if the concentration of cadmium (expressed as Cd metal) is equal to or greater than 0,01 % by weight. 5. Shall not be used or placed on the market if the concentration is equal to or greater than 0,01 % by weight of the metal in:	concentration of cadmium (expressed as Cd metal) does not exceed 0,1 % by weight of the plastic material in the following rigid PVC applications: (a) profiles and rigid sheets for building applications; (b) doors, windows, shutters, walls, blinds, fences, and roof gutters; (c) decks and terraces; (d) cable ducts; (e) pipes for non-drinking water if the recovered PVC is used in the middle layer of a multilayer pipe and is entirely covered with a layer of newly produced PVC in compliance with paragraph 1. Suppliers shall ensure, before the placing on the market of mixtures and articles containing recovered PVC for the first time, that these are visibly, legibly and indelibly marked as follows: 'Contains recovered PVC' or with the pictogram. The restrictions in paragraphs 3 shall not apply to: ? articles and components of the articles used in the aeronautical, aerospace, mining, offshore and nuclear sectors whose applications require high safety standards and in safety devices in road and agricultural vehicles, rolling stock and vessels, ? electrical contacts in any sector of use, where that is necessary to ensure the reliability required of the apparatus on which they are installed. By way of derogation, paragraph 4 shall not apply to brazing fillers used in defence and aerospace applications and to brazing fillers used for safety reasons. By way of derogation, paragraph 5 shall not apply to articles placed on the market before 10 December 2011 and jewellery more than 50 years old on 10 December 2011.
24	76253-60-6	Monomethyl – tetrachlorodiphenyl methane Trade name: UgilEC 141		By way of derogation, paragraph 1 shall not apply: (a) in the case of plant and machinery already in service on 18 June 1994, until such plant and machinery is disposed of; (b) in the case of the maintenance of plant and machinery already in service within a Member State on 18 June 1994.
25	_	Monomethyl-dichloro-diphenyl methane Trade name: UgilEC 121 UgilEC 21	Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.	
26	99688-47-8	Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers Trade name: DBBT	Shall not be placed on the market, or used, as a substance or in mixtures. Articles containing the substance shall not be placed on the market.	

	7440-02-0	Nickel and its compounds	1.Shall not be used:	By way of derogation, point 1(a) shall not apply:
27	7440 02-0		(a) in any post assemblies which are inserted into pierced ears and other pierced parts of	if the rate of nickel release from such post assemblies is less than 0,2 μ g/cm2/week (migration limit).
28		category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 1 or Appendix 2, respectively.	Shall not be placed on the market, or used, - as substances, - as constituents of other substances, or, - in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: - either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, - the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.	By way of derogation, shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC; (c) the following fuels and oil products: — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date; (f) devices covered by Regulation (EU) 2017/ 745.
29		category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 3 or Appendix 4, respectively.	Shall not be placed on the market, or used, - as substances, - as constituents of other substances, or, - in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: - either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, - the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.	By way of derogation, shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC; (c) the following fuels and oil products: - motor fuels which are covered by Directive 98/70/EC, - mineral oil products intended for use as fuel in mobile or fixed combustion plants, - fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date; (f) devices covered by Regulation (EU) 2017/ 745.

30		Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	Shall not be placed on the market, or used, – as substances, – as constituents of other substances, or, – in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: – either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, – the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.	By way of derogation, shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC; (c) the following fuels and oil products: - motor fuels which are covered by Directive 98/70/EC, - mineral oil products intended for use as fuel in mobile or fixed combustion plants, - fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date; (f) devices covered by Regulation (EU) 2017/ 745.
	61789-28-4 84650-04-4 90640-84-9 65996-91-0 90640-80-5 65996-85-2 8021-39-4	(a) Creosote; wash oil (b) Creosote oil; wash oil (c) Distillates (coal tar), naphthalene oils; naphthalene oil (d) Creosote oil, acenaphthene fraction; wash oil (e) Distillates (coal tar), upper; heavy anthracene oil (f) Anthracene oil (g) Tar acids, coal, crude; crude phenols (h) Creosote, wood (i) Low temperature tar oil, alkaline; extract residues (coal), low temperature coal tar alkaline	1.Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for the treatment of wood. Furthermore, wood so treated shall not be placed on the market. 2.Treated wood referred to under derogation (b) shall not be used: - inside buildings, whatever their purpose, - in toys, - in playgrounds, - in parks, gardens, and outdoor recreational and leisure facilities where there is a risk of frequent skin contact, - in the manufacture of garden furniture such as picnic tables, - for the manufacture and use and any re-treatment of: - containers intended for growing purposes, - packaging that may come into contact with raw materials, intermediate or finished products destined for human and/or animal consumption, - other materials which may contaminate the articles mentioned above.	By way of derogation from paragraph 1: (a) The substances and mixtures may be used for wood treatment in industrial installations or by profes—sionals covered by Community legislation on the protection of workers for in situ retreatment only if they contain: (i) benzo[a]pyrene at a concentration of less than 50 mg/kg (0,005 % by weight), and (ii) water extractable phenols at a concentration of less than 3 % by weight. (b) Wood treated in industrial installations or by professionals according to subparagraph (a) which is placed on the market for the first time or retreated in situ may be used for professional and industrial use only, for example on railways, in electric power transmission and telecommunications, for fencing, for agricultural purposes (for example stakes for tree support) and in harbours and waterways.
32	67-66-3	Chloroform	Shall not be placed on the market, or used, – as substances, – as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight, where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics.	By way of derogation this provision shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.
34	79-00-5	1,1,2-Trichloroethane	Shall not be placed on the market, or used, – as substances, – as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight, where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics.	By way of derogation this provision shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.
35	79-34-5	1,1,2,2-Tetrachloroethane	Shall not be placed on the market, or used, – as substances, – as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight, where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics.	By way of derogation this provision shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.

	630-20-6	1,1,1,2-Tetrachloroethane	Shall not be placed on the market, or used,	By way of derogation this provision shall not apply to:
36	500 20 0		as substances,as constituents of other substances, or in mixtures in	(a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.
37	76-01-7	Pentachloroethane	Shall not be placed on the market, or used, – as substances, – as constituents of other substances, or in mixtures in concentrations equal to or greater than 0,1 % by weight, where the substance or mixture is intended for supply to the general public and/or is intended for diffusive applications such as in surface cleaning and cleaning of fabrics.	By way of derogation this provision shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.
38	75-35-4		- as constituents of other substances, or in mixtures in	By way of derogation this provision shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/ EEC.
40	_	or 2, flammable liquids categories 1, 2 or 3, flammable	Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for enter—tainment and decorative purposes such as the following: - metallic glitter intended mainly for decoration, - artificial snow and frost, - 'whoopee' cushions, - silly string aerosols, - imitation excrement, - horns for parties, - decorative flakes and foams, - artificial cobwebs, - stink bombs.	By way of derogation this provision shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (***). (***) OJ L 147, 9.6.1975, p. 40.
41	67-72-1	Hexachloroethane	Shall not be placed on the market, or used, as substance or in mixtures, where the substance or mixture is intended for the manufacturing or processing of non- ferrous metals.	
43			1.Azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8, in detectable concentrations, i.e. above 30 mg/kg (0,003 % by weight) in the articles or in the dyed parts thereof, according to the testing methods listed in Appendix 10, shall not be used, in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity, such as: — clothing, bedding, towels, hairpieces, wigs, hats, nappies and other sanitary items, sleeping bags, — footwear, gloves, wristwatch straps, handbags, purses/wallets, briefcases, chair covers, purses worn round the neck, — textile or leather toys and toys which include textile or leather garments, — yarn and fabrics intended for use by the final consumer. 2.Furthermore, the textile and leather articles referred to in paragraph 1 shall not be placed on the market unless they conform to the requirements set out in that paragraph. 3.Azodyes, which are contained in Appendix 9, 'List of azodyes' shall not be placed on the market, or used, as substances, or in mixtures in concentrations greater than 0,1 % by weight, where the substance or the mixture is intended for colouring textile and leather articles.	

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- as a substance, - as a constituent of other substances, or in mixtures, in concentrations greate by weight.		 as a constituent of other substances, or in mixtures, in concentrations greater than 0,1 % by weight. 2.Articles shall not be placed on the market if they, or flame-retardant parts thereof, contain 	By way of derogation, paragraph 2 shall not apply: - to articles that were in use in the Community before 15 August 2004, - to electrical and electronic equipment within the scope of Directive 2002/95/EC.	
46	(b) Nonylphenol ethoxylates (C2H4O)nC15H24O equal to or greater than 0,1 % by weight f (1) industrial and institutional cleaning; (2) domestic cleaning; (3) textiles and leather processing; (4) emulsifier in agricultural teat dips; (5) metal working; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products;		 (2) domestic cleaning; (3) textiles and leather processing; (4) emulsifier in agricultural teat dips; (5) metal working; (6) manufacturing of pulp and paper; (7) cosmetic products; (8) other personal care products; (9) co-formulants in pesticides and biocides. 	By way of derogation this provision shall not apply to (1) - controlled closed dry cleaning systems where the washing liquid is recycled or incinerated, - cleaning systems with special treatment where the washing liquid is recycled or incinerated; (3) - processing with no release into waste water, - systems with special treatment where the process water is pretreated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin); (5) uses in controlled closed systems where the washing liquid is recycled or incinerated; (8) spermicides.
46a	-	Nonylphenol ethoxylates (NPE) (C2H4O)nC15H24O	Shall not be placed on the market after 3 February 2021 in textile articles which can reasonably be expected to be washed in water during their normal lifecycle, in concentrations equal to or greater than 0,01 % by weight of that textile article or of each part of the textile article.	By way of derogation this provision shall not apply to the placing on the market of second-hand textile articles or of new textile articles produced, without the use of NPE, exclusively from recycled textiles.
47	Chromium VI compounds		2.If reducing agents are used, then without prejudice to the application of other Community	Paragraphs 1 and 2 shall not apply to the placing on the market for, and use in, controlled closed and totally automated processes in which cement and cement—containing mixtures are handled solely by machines and in which there is no possibility of contact with the skin. Paragraphs 4 and 5 shall not apply to the placing on the market of second—hand articles which were in end—use in the Union before 1 May 2015.
48	108-88-3	Toluene	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.	
49	120-82-1	Trichlorobenzene	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight for any use.	By way of derogation this provision shall not apply to use – as an intermediate of synthesis, or, – in the manufacture of 1,3,5-triamino ? 2,4,6-trini- trobenzene (TATB).

50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3	(e) Benzo[b]fluoranthene (BbFA) (f) Benzo[j]fluoranthene (BjFA) (g) Benzo[k]fluoranthene (BkFA) (h) Dibenzo[a,h]anthracene (DBAhA)	production of tyres or parts of tyres if they contain: — more than 1 mg/kg (0,0001 % by weight) BaP, or, — more than 10 mg/kg (0,001 % by weight) of the sum of all listed PAHs. 2. Furthermore, tyres and treads for retreading manu— factured after 1 January 2010 shall not be placed on the market if they contain extender oils exceeding the limits indicated in paragraph 1. 3. Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short—term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs. 4. Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short—term repetitive contact with the human skin or the oral cavity, under normal or reason—ably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs. 5. Granules or mulches shall not be placed on the market for use as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications if they contain more than 20 mg/kg (0,002 % by weight) of the sum of all listed PAHs. 6. Granules or mulches shall not be used as infill material in synthetic turf pitches or in loose form on playgrounds or in sport applications if they contain more than 20 mg/kg (0,002 % by weight) of the sum of all listed PAHs.	before 27 December 2015.
84-74-2 85-68-7	Benzyl butyl phthalate (BBP) Diisobutyl phthalate (DIBP)	phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plas- ticised material, in toys and childcare articles. 2. Shall not be placed on the market in toys or childcare articles, individually or in any combination of the first three phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material. In addition, DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, indi- vidually or in any combination with the first three phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material. 3. Shall not be placed on the market after 7 July 2020 in articles, individually or in any combination of the phthalates listed in column 1 of this entry, in a concentration equal to or greater than 0,1 % by weight of the plasticised material in the article. 5. For the purposes of paragraphs 1, 2, 3 and 4(a), (a) 'plasticised material' means any of the following homogeneous materials: - polyvinyl chloride (PVC), polyvinylidene chloride (PVDC), polyvinyl acetate (PVA), polyurethanes, - any other polymer (including, inter alia, polymer foams and rubber material) except silicone rubber and natural latex coatings, finishes, decals, printed designs, - adhesives, sealants, paints and inks. (b) 'prolonged contact with human skin' means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day. (c) 'childcare article' shall mean any product intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children. 6. For the purposes of paragraph 4(b), 'aircraft' means one of the following:	Paragraph 3 shall not apply to: (a) articles exclusively for industrial or agricultural use, or for use exclusively in the open air, provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin; (b) aircraft, placed on the market before 7 January 2024, or articles, whenever placed on the market, for use exclusively in the maintenance or repair of those aircraft, where those articles are essential for the safety and airworthiness of the aircraft; (c) motor vehicles within the scope of Directive 2007/46/EC, placed on the market before 7 January 2024, or articles, when placed on the market, for use exclusively in the main— tenance or repair of those vehicles, where the vehicles cannot function as intended without those articles; (d) articles placed on the market before 7 July 2020; (e) measuring devices for laboratory use, or parts thereof; (f) materials and articles intended to come into contact with food within the scope of Regu— lation (EC) No 1935/2004 or Commission Regulation (EU) No 10/2011 (*); (g) medical devices within the scope of Directives 90/385/EEC, 93/42/EEC or 98/79/EC, or parts thereof; (h) electrical and electronic equipment within the scope of Directive 2011/65/EU; (i) the immediate packaging of medicinal products within the scope of Regulation (EC) No 726/ 2004, Directive 2001/82/EC or Directive 2001/ 83/EC; (j) toys and childcare articles covered by paragraphs 1 or 2. (*) Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food (OJ L 12, 15.1.2011, p. 1).

	numbers covering the substance): 28553-12-0 68515-48-0 26761-40-0 68515-49-1 117-84-0 (a) Di- 'isononyl' phthalate (DIDP) (b) Di- 'isodecyl' phthalate (DIDP) (c) Di-n-octyl phthalate (DNOP) 111-77-3 (b) Di- 'isodecyl' phthalate (DNOP) 2-(2-methoxyethoxy)ethanol (DEGME) weight of the plas- ticised material, in toys and childcare article mouth by children. 2.Such toys and childcare articles containing these phthalates than 0,1 % by weight of the plasticised material shall not be placed on the market after 27 June 2010, for suppose the placed on the place		1.Shall not be used as substances or in mixtures, in concentrations greater than 0,1 % by weight of the plas- ticised material, in toys and childcare articles which can be placed in the mouth by children. 2.Such toys and childcare articles containing these phthalates in a concentration greater than 0,1 % by weight of the plasticised material shall not be placed on the market. Shall not be placed on the market after 27 June 2010, for supply to the general public, as a constituent of paints, paint strippers, cleaning agents, self-shining emulsions or floor	
54 constituent of paints, paint strippers, cleaning sealants in concentrations equal to or greate		sealants in concentrations equal to or greater than 0,1 % by weight.		
55	112-34-5	2-(2-butoxyethoxy)ethanol (DEGBE) 1.Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2.Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.		
56	26447-40-5 Methylenediphenyl diisocyanate (MDI) including the following specific isomers: (a) 4,4'-Methylenediphenyl diisocyanate: (b) 2,4'-Methylenediphenyl diisocyanate: (c) 2,2'-Methylenediphenyl diisocyanate: (d) 2,2'-Methylenediphenyl diisocyanate: (e) 2,2'-Methylenediphenyl diisocyanate:		By way of derogation, shall not apply if the packaging: (a) contains protective gloves which comply with the requirements of Council Directive 89/686/ EEC(*******); (b) is marked visibly, legibly and indelibly, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures. Derogation(a) shall not be required for hot melt adhesives. (************) OJ L 399, 30.12.1989, p. 18.	
57	110-82-7 Cyclohexane 1.Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g. 2.Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.			
58	6484-52-2	Ammonium nitrate (AN)	Shall not be placed on the market for the first time after 27 June 2010 as a substance, or in mixtures that contain more than 28 % by weight of nitrogen in relation to ammonium nitrate, for use as a solid fertiliser, straight or compound.	By way of derogation, shall not apply if the fertiliser complies with the technical provisions for ammonium nitrate fertilisers of high nitrogen content set out in Annex III to Regulation (EC) No 2003/2003 of the European Parliament and of the Council(********). (**************************
75-09-2 Dichloromethane Paint strippers containing dichloromethane in a concentration equal to or greater than 0,1 % By way of derogation by weight shall not be: (a) placed on the market for the first time for supply to the general public or to professionals professionals, of parafter 6 December 2010; By way of derogation and for certain act professionals professionals, of parafter 6 December 2010;		By way of derogation, Member States may allow on their territories and for certain activities the use, by specifically trained professionals, of paint strippers containing dichloromethane and may allow the placing on the market of such paint strippers for supply to those professionals.		
60	79-06-1	Acrylamide	Shall not be placed on the market or used as a substance or constituent of mixtures in a concentration, equal to or greater than 0,1 % by weight for grouting applications after 5 November 2012.	
61	624-49-7	Dimethylfumarate (DMF)		

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	100.00.4	I/ \ DI		
	62-38-4	(a) Phenylmercury acetate	1.Shall not be manufactured, placed on the market or used as substances or in mixtures	
	103-27-5	(b) Phenylmercury propionate	after 10 October 2017 if the concentration of mercury in the mixtures is equal to or greater	
	13302-00-6	(c) Phenylmercury 2-ethylhexanoate	than 0,01 % by weight.	
62	13864-38-5	(d) Phenylmercury octanoate	2.Articles or any parts thereof containing one or more of these substances shall not be	
UZ	2654-49-3	(e) Phenylmercury neodecanoate	placed on the market after 10 October 2017 if the concentration of mercury in the articles	
	2001 10 0	(6) I Horry more dary mode documents	or any part thereof is equal to or greater than 0,01 % by weight.	
			of any part thereof is equal to of greater than 0,01 % by weight.	
	7439-92-1	Lead	1.Shall not be placed on the market or used in any individual part of jewellery articles if the	4.By way of derogation, paragraph 1 shall not apply to:
			concen- tration of lead (expressed as metal) in such a part is equal to or greater than 0,05 %	
			by weight.	Council Directive 69/493/ EEC (*);
			2. For the purposes of paragraph 1:	(b) internal components of watch timepieces inac- cessible to
			(i) 'jewellery articles' shall include jewellery and imitation jewellery articles and hair	consumers;
			accessories, including:	(c) non-synthetic or reconstructed precious and semiprecious
			(a) bracelets, necklaces and rings;	stones (CN code 7103, as estab- lished by Regulation (EEC) No
			(b) piercing jewellery;	2658/87), unless they have been treated with lead or its compounds
			(c) wrist watches and wrist-wear;	or mixtures containing these sub- stances;
			(d) brooches and cufflinks;	(d) enamels, defined as vitrifiable mixtures resulting from the fusion,
			(ii) 'any individual part' shall include the materials from which the jewellery is made, as well	vitrification or sintering of minerals melted at a temperature of at
			as the individual components of the jewellery articles.	least 500 ° C.
			3.Paragraph 1 shall also apply to individual parts when placed on the market or used for	5.By way of derogation, paragraph 1 shall not apply to jewellery
			jewellery- making.	articles placed on the market for the first time before 9 October
			7.Shall not be placed on the market or used in articles supplied to the general public, if the	2013 and jewellery articles produced before 10 December 1961.
			concentration of lead (expressed as metal) in those articles or accessible parts thereof is	8.By way of derogation, paragraph 7 shall not apply to:
			equal to or greater than 0,05 % by weight, and those articles or accessible parts thereof may,	(a) jewellery articles covered by paragraph 1;
			during normal or reasonably foreseeable conditions of use, be placed in the mouth by	(b) crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to
			children.	Directive 69/493/EEC;
			That limit shall not apply where it can be demonstrated that the rate of lead release from	(c) non-synthetic or reconstructed precious and semi-precious
			such an article or any such accessible part of an article, whether coated or un- coated, does	
			not exceed 0,05 μ g/cm2 per hour (equivalent to 0,05 μ g/g/h), and, for coated articles, that	
			the coating is sufficient to ensure that this release rate is not exceeded for a period of at	or mixtures containing these sub- stances;
			least two years of normal or reasonably foreseeable conditions of use of the article.	(d) enamels, defined as vitrifiable mixtures resulting from the fusion,
			For the purposes of this paragraph, it is considered that an article or accessible part of an	vitrification or sintering of mineral melted at a temperature of at
			article may be placed in the mouth by children if it is smaller than 5 cm in one dimension or	least 500 ° C;
			has a detachable or protruding part of that size.	(e) keys and locks, including padlocks;
				(f) musical instruments;
63				(g) articles and parts of articles comprising brass alloys, if the
				concentration of lead (expressed as metal) in the brass alloy does
				not exceed 0,5 % by weight;
				(h) the tips of writing instruments;
				(i) religious articles;
				(j) portable zinc-carbon batteries and button cell batteries;
				(k) articles within the scope of:
				(i) Directive 94/62/EC;
				(ii) Regulation (EC) No 1935/2004;
				(iii) Directive 2009/48/EC of the European Parliament and of the
				Council (**);
				(iv) Directive 2011/65/EU of the European Parliament and of the
				Council (***)
				10.By way of derogation paragraph 7 shall not apply to articles
				placed on the market for the first time before 1 June 2016.
				(*) OJ L 326, 29.12.1969, p. 36.
				(**) Directive 2009/48/EC of the European Parliament and of the
				Council of 18 June 2009 on the safety of toys (OJ L 170, 30.6.2009,
				p. 1).
				(***) Directive 2011/65/EU of the European Parliament and of the
				Council of 8 June 2011 on the restriction of the use of certain
				hazardous substances in electrical and electronic equipment (OJ L
				174, 1.7.2011, p. 88).

	106-46-7	1 A-diablarahanzana	Shall not be placed on the market or used as a substance or as a sensitive of citizens in	
64	106-46-7	1,4-dichlorobenzene	Shall not be placed on the market or used, as a substance or as a constituent of mixtures in a concentration equal to or greater than 1 % by weight, where the substance or the mixture is placed on the market for use or used as an air freshener or deodoriser in toilets, homes, offices or other indoor public areas.	
65	-	Inorganic ammonium salts	insulation articles after 14 July 2018 unless the emission of ammonia from those mixtures or articles results in a concentration of less than 3 ppm by volume (2,12 mg/m3).	By way of derogation, shall not apply to placing on the market of cellulose insulation mixtures intended to be used solely for the production of cellulose insulation articles, or to the use of those mixtures in the production of cellulose insulation articles.
66	80-05-7	Bisphenol A	Shall not be placed on the market in thermal paper in a concentration equal to or greater than 0,02 % by weight after 2 January 2020.	
	375-95-1 335-76-2 2058-94-8 307-55-1 72629-94-8 376-06-7	C9-C14 linear and/or branched perfluorocarboxylic acids (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances, perfluorononan-1-oic acid (PFNA); nonadecafluorodecanoic acid (PFDA); henicosafluoroundecanoic acid (PFUnDA); tricosafluorododecanoic acid (PFDDA); pentacosafluorotridecanoic acid (PFTDA); heptacosafluorotetradecanoic acid (PFTDA); including their salts and precursors	2.Shall not, from 25 February 2023, be used in, or placed on the market in: (a)another substance, as a constituent; (b)a mixture; (c)an article, except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances. 4.Paragraph 2 shall apply from 4 July 2023 to: (i)textiles for oil— and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety; (ii)the manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: high performance, corrosion resistant gas filter membranes, water filter membranes and membranes for medical textiles; industrial waste heat exchanger equipment; industrial waste heat exchanger equipment; industrial sealants capable of preventing leakage of volatile organic compounds and PM 2.5 particulates 6.Paragraph 2(c) shall not apply to articles placed on the market before 25 February 2023. 7.Paragraph 2 (c) shall apply from 31 December 2023 to: (a) semiconductors on their own; (b)semiconductors incorporated in semi-finished and finished electronic equipment. 9.Paragraph 2(c) shall apply from 31 December 2030 to semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023. 10.Until 25 August 2024, the concentration limit referred to in paragraph 2 shall be 2 000ppb for the sum of C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain	3. By way of derogation to paragraph 2, the concentration limit shall be 10 ppm for the sum of C9-C14 PFCAs, their salts and C9-C14 PFCA related substances, where they are present in a substance to be used as a transported isolated intermediate, provided that the conditions in points (a) to (f) of Article 18(4) of this Regulation are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms. The Commission shall review this limit no later than 25 August 2023. 5. By way of derogation to paragraph 2, the use of C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall be allowed until 4 July 2025for: (i)photolithography or etch processes in semiconductor manufacturing; (iii)invasive and implantable medical devices; (iv)fire-fighting foam for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems, including both mobile and fixed systems, subject to the following conditions: — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for training; — fire-fighting foam that contains or may contain C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances shall not be used for testing unless all releases are contained; — fire-fighting foam stockpiles that contain or may contain C9-C14 PFCA-related substances shall not be used for testing unless all releases are contained; — fire-fighting foam stockpiles that contain or may contain C9-C14 PFCA-related substances shall only be allowed to sites where all releases can be contained; — fire-fighting foam stockpiles that contain or may contain C9-C14 PFCA-related substances shall be managed in accordance with Article 5 of Regulation (EU) 2019/1021.
69	67-56-1	Methanol	Shall not be placed on the market to the general public after 9 May 2019 in windscreen washing or defrosting fluids, in a concentration equal to or greater than 0,6 % by weight.	

	556-67-2	Octamethylcyclotetrasiloxane (D4)	Shall not be placed on the market in wash-off cosmetic products in a concentration equal to	
70	541-02-6	Decamethylcyclopentasiloxane (D4)	or greater than 0,1 % by weight of either substance, after 31 January 2020.	
71	872-50-4	1-methyl-2-pyrrolidone (NMP)	1.Shall not be placed on the market as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manu— facturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No–Effect Levels (DNELs) relating to exposure of workers of 14,4 mg/m3 for exposure by inhalation and 4,8 mg/kg/day for dermal exposure. 2.Shall not be manufactured, or used, as a substance on its own or in mixtures in a concentration equal to or greater than 0,3 % after 9 May 2020 unless manu— facturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1. 3.By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 9 May 2024 in relation to placing on the market for use, or use, as a solvent or reactant in the process of coating wires.	
72		The substances Appendix 12	(b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; (c) footwear; if the clothing, related accessory, textile other than clothing or footwear is for use by consumers and the substance is present in a concentration, measured in homogeneous material, equal to or greater than that specified for that substance in Appendix 12.	2.By way of derogation, in relation to the placing on the market of formaldehyde [CAS No 50-00-0] in jackets, coats or upholstery, the relevant concentration for the purposes of paragraph 1 shall be 300 mg/kg during the period between 1 November 2020 and 1 November 2023. The concentration specified in Appendix 12 shall apply thereafter. 3.Paragraph 1 shall not apply to: (a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide; (b) non-textile fasteners and non-textile decorative attachments; (c) second-hand clothing, related accessories, textiles other than clothing or footwear (d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners. 4.Paragraph 1 shall not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 of the European Parliament and of the Council (**) or Regu- lation (EU) 2017/745 of the European Parliament and of the Council (**). 5.Paragraph 1(b) shall not apply to disposable textiles. 'Disposable textiles' means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose. 6.Paragraphs 1 and 2 shall apply without prejudice to the application of any stricter restrictions set out in this Annex or in other applicable Union legislation. 7.The Commission shall review the exemption in paragraph 3(d) and, if appropriate, modify that point accordingly. (*) Regulation (EU) 2016/425 of the European Parliament and of the Council of of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (OJ L 81, 31.3.2016, p. 51). (**) Regulation (EU) 2016/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/ 2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC (OJ L 117, 5.5.2017,
73	-	(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol Any of its mono-, di- or tri-O-(alkyl) derivatives (TDFAs)	Shall not be placed on the market for supply to the general public after 2 January 2021 individually or in any combination, in a concentration equal to or greater than 2 ppb by weight of the mixtures containing organic solvents, in spray products.	for professional users only

74		Diisocyanates, O = C=N-R-N = C=O, with R an aliphatic or aromatic hydrocarbon unit of unspecified length	1.Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s). 2.Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:	
75	-	Substances in tattoo inks and permanent make up	From January 4, 2022, any of the following hazardous substances will be prohibited from being marketed and used. (1) substances classified as any of the following in Part 3 of Annex VI to Regulation (EC) No 1272/2008: a) carcinogen category 1A, 1B or 2 0.00005wt% b) germ cell mutagen category 1A, 1B or 2 0.001wt% c) skin sensitiser category 1, 1A or 1B 0.001wt% d) skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2 if the substance is used solely as a pH regulator 0.1wt% in all other cases 0.01wt% e) serious eye damage category 1 or eye irritant category 2 if the substance is used solely as a pH regulator 0.1wt% in all other cases 0.01wt% (2) substances listed in Annex II to Regulation (EC) No 1223/2009 of the European Parliament and of the Council1 (3) substances listed in Annex IV to Regulation (EC) No 1223/2009 for which a condition is specified in at least one of the columns g, h and i of the table in that Annex (4) substances listed in Appendix 13 to this Annex.	
76	68-12-2	N,N-dimethylformamide	substances, or in mixtures in a concentration equal to or greater than 0,3 % after 12 December 2023 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, Derived No-Effect Levels (DNELs) relating to exposure of workers of 6 mg/m3 for exposure by inhalation and 1,1 mg/kg/day for dermal exposure. 2. Shall not be manufactured, or used, as a substance on its own, as a constituent of other	By way of derogation from paragraphs 1 and 2, the obligations laid down therein shall apply from 12 December 2024 in relation to placing on the market for use, or use, as a solvent in direct or transfer polyurethane coating processes of textiles and paper material or the production of polyurethane membranes, and from 12 December 2025 in relation to placing on the market for use, or use, as a solvent in the dry and wet spinning processes of synthetic fibres.

	50-00-0	Formaldehyde and formaldehyde-releasing substances	1.Shall not be placed on the market in articles, after 6 August 2026, if, under the test conditions specified in Appendix 14, the concentration of formaldehyde released from those articles exceeds: (a) 0,062 mg/m3 for furniture and wood-based articles; (b) 0,080 mg/m3 for articles other than furniture and wood-based articles. 2.Shall not be placed on the market in road vehicles after 6 August 2027 if, under the test conditions specified in Appendix 14, the concentration of formaldehyde in the interior of those vehicles exceeds 0,062 mg/m3.	1.The first subparagraph shall not apply to: (a)articles in which formaldehyde or formaldehyde releasing substances are exclusively naturally present in the materials from which the articles are produced; (b)articles that are exclusively for outdoor use under foreseeable conditions; (c)articles in constructions, that are exclusively used outside the building shell and vapour barrier and that do not emit formaldehyde into indoor air;
77				(d)articles exclusively for industrial or professional use unless formaldehyde released from them leads to exposure of the general public under foreseeable conditions of use; (e)articles for which the restriction laid down in entry 72 applies; (f)articles that are biocidal products within the scope of Regulation (EU) No 528/2012 of the European Parliament and of the Council (*1); (g)devices within the scope of Regulation (EU) 2017/745; (h)personal protective equipment within the scope of Regulation (EU) 2016/425; (i)articles intended to come into contact directly or indirectly with food within the scope of Regulation (EC) No 1935/2004; (j)second-hand articles. The first subparagraph shall not apply to:
				(a)road vehicles exclusively for industrial or professional use unless the concentration of formaldehyde in the interior of those vehicles leads to exposure of the general public under foreseeable conditions of use; (b)second-hand vehicles.

	_	Synthetic polymer microparticles	1.Shall not be placed on the market as substances on their own or, where the synthetic	The following polymers are excluded from this designation:
			polymer microparticles are present to confer a sought-after characteristic, in mixtures in a	(a)polymers that are the result of a polymerisation process that
			concentration equal to or greater than 0,01 % by weight.	has taken place in nature, independently of the process through
			2	which they have been extracted, which are not chemically modified
			3	substances;
			6.Paragraph 1 shall apply as follows regarding the following uses:	(b)polymers that are degradable as proved in accordance with
			(a)from 17 October 2029 to synthetic polymer microparticles for use in the encapsulation	Appendix 15;
			of fragrances;	(c)polymers that have a solubility greater than 2 g/L as proved in
			(b)from 17 October 2027 for "rinse-off products" as defined in point (1)(a) of the Preamble	accordance with Appendix 16;
			to Annexes II to VI to Regulation (EC) No 1223/2009 unless such products are covered by	(d)polymers that do not contain carbon atoms in their chemical
			point (a) of this paragraph or contain synthetic polymer microparticles for use as an abrasive,	
				4.Paragraph 1 shall not apply to the placing on the market of:
				(a)synthetic polymer microparticles, as substances on their own or
				in mixtures, for use at industrial sites;
			the Preamble to Annexes II to VI to that Regulation, and make-up products within the scope	
			of that Regulation, unless such products are covered by points (a) or (b) of this paragraph or	
				2019/6 of the European Parliament and of the Council (*1);
				(c)EU fertilising products within the scope of Regulation (EU)
				2019/1009 of the European Parliament and of the Council (*2);
				(d)food additives within the scope of Regulation (EC) No 1333/2008
				of the European Parliament and of the Council (*3);
				(e)in vitro diagnostic devices, including devices within the scope of
			(a) of this paragraph or contain microbeads;	Regulation (EU) 2017/746 of the European Parliament and of the Council (*4);
			(f)from 17 October 2029 for "devices", within the scope of Regulation (EU) 2017/745 of the European Parliament and of the Council (*5), unless those devices contain microbeads;	(f)food within the meaning of Article 2 of Regulation (EC) No
78			(g)from 17 October 2028 for "fertilising products", as defined in Article 2, point (1), of	178/2002, not covered by point (d) of this paragraph, and feed as
				defined in Article 3(4) of that Regulation.
			(h)from 17 October 2031 for plant protection products within the meaning of Article 2(1) of	
			Regulation (EC) No 1107/2009 of the European Parliament and of the Council (*6) and seeds	
				own or in mixtures:
				(a)synthetic polymer microparticles which are contained by technical
				means so that releases to the environment are prevented when
			points (g) or (h);	used in accordance with the instructions for use during the intended
			(j)from 17 October 2031 for granular infill for use on synthetic sports surfaces.	end use;
			7	(b)synthetic polymer microparticles the physical properties of which
			8	are permanently modified during intended end use in such a way that
			9	the polymer no longer falls within the scope of this entry;
			10	(c)synthetic polymer microparticles which are permanently
			11	incorporated into a solid matrix during intended end use.
			12	16.Paragraph 1 shall not apply to placing on the market of synthetic
				polymers microparticles, on their own or in mixtures, placed on the
			14	market before 17 October 2023.
			15	However, the first subparagraph shall not apply to the placing on the
				market of synthetic polymers microparticles for uses listed in
				paragraph 6.
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_	Undecafluorohexanoic acid (PFHxA), its salts and	Undecafluorohexanoic acid (PFHxA), its salts and PFHxA-related substances:	1
	PFHxA-related substances.	(a)having a linear or branched perfluoropentyl group with the formula C5F11- directly	
	TTTIAN TOTALOG SUBSTAINOGS.	attached to another carbon atom as one of the structural elements; or	
		(b)having a linear or branched perfluorohexyl group with the formula C6F13	
		The following substances are excluded from this designation:	
		(a)C6F14;	
		(b)C6F13-C(=0)OH, C6F13-C(=0)O-X' or C6F13-CF2-X' (where $X' = any group$,	
		including salts);	
		(c)any substance having a perfluoroalkyl group C6F13- directly attached to an oxygen atom	
		at one of the non-terminal carbon atoms.	
		1.Shall not, from 10 October 2026 be placed on the market, or used, in a concentration equal	
		to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of	
		PFHxA-related substances, measured in homogeneous material, in the following:	
		(a)textiles, leather, furs and hides in clothing and related accessories for the general public;	
		(b)footwear for the general public;	
		(c)paper and cardboard used as food contact materials within the scope of Regulation (EC)	
		No 1935/2004;	
		(d)mixtures for the general public;	
		(e)cosmetic products as defined in Article 2(1), point (a), of Regulation (EC) No 1223/2009.	
		2.Shall not, from 10 October 2027 be placed on the market, or used, in a concentration equal	
		to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of	
		PFHxA-related substances, measured in homogeneous material, in textiles, leather, furs and	
		hides, other than in clothing and related accessories referred to in paragraph 1, for the	
		general public.	
		3.Paragraphs 1 and 2 shall not apply to the following:	
		(a) personal protective equipment intended to protect users against risks within the scope of	
		risk category III, points (a), (c) to (f), (h), and (l) of Annex I to Regulation (EU) 2016/425; (b)devices within the scope of Regulation (EU) 2017/745;	
		(c)devices within the scope of Regulation (EU) 2017/745; (c)devices within the scope of Regulation (EU) 2017/746;	
79		(d)textiles used as construction textiles.	
		4.Shall not, from 10 April 2026 be placed on the market, or used, in a concentration equal to	
		or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000 ppb for the sum of	
		PFHxA-related substances, in:	
		(a)firefighting foams and firefighting foam concentrates for training and for testing, except	
		functional testing of the firefighting systems provided that all releases are contained;	
		(b)firefighting foams and firefighting foam concentrates for public fire services, except where	
		those services intervene at industrial fires at establishments covered by Directive	
		2012/18/EU of the European Parliament and of the Council (*1) and they use the foams and	
		the equipment for that purpose only.	
		5. Shall not, from 10 October 2029 be placed on the market, or used, in firefighting foams and	
		firefighting foam concentrates for civil aviation (including in civilian airports) in a	
		concentration equal to or greater than 25 ppb for the sum of PFHxA and its salts, or 1 000	
		ppb for the sum of PFHxA-related substances.	
		6.Paragraphs 1, 2, 4 and 5 shall not apply to substances having a perfluoroalkyl group	
		C6F13- directly attached to a sulphur atom that are prohibited in Annex I to Regulation (EU)	
		2019/1021 of the European Parliament and of the Council (*2).	
		7.By way of derogation from paragraph 1, that paragraph shall not apply to articles and	
		mixtures which were placed on the market before 10 October 2026.	
		8.By way of derogation from paragraph 2, that paragraph shall not apply to articles which were placed on the market before 10 October 2027.	
		· · · · · · · · · · · · · · · · · · ·	
		9.For the purposes of this entry, PFHxA-related substances are substances that, based on their molecular structure, are considered to have the potential to degrade or be transformed	
		to PFHxA.	
		TO TITIAL.	

(3) EU POPs Annex A (Elimination)

All POPs listed in the Stockholm Convention

http://www.pops.int/TheConvention/ThePOPs/AllPOPs/tabid/2509/Default.aspx

No.	CAS No.	Chemical	Uses
1	309-00-2	Aldrin	Pesticide
2	319-84-6	Alpha hexachlorocyclohexane	by-product of lindane
3	319-85-7	Beta hexachlorocyclohexane	by-product of lindane
4	5103-71-9	Chlordane	Termite control, etc.
5	143-50-0	Chlordecone	agricultural pesticide
6	60-57-1	Dieldrin	Pesticide
7	115-29-7 959-98-8 33213-65-9	Endosulfan	Pesticide
8	72-20-8	Endrin	Pesticide
9	57-74-9 (※1)	Heptachlor	Termite control, etc.
10	36355-01-8	Hexabromobiphenyl	Flame retardant
11	25637-99-4 3194-55-6	Hexabromocyclododecane (HBCDD)	Flame retardant
12	31153-30-7 (※1)	Hexabromodiphenyl ether	Flame retardant
13	68928-80-3 (※1)	Heptabromodiphenyl ether	Flame retardant
14	118-74-1	Hexachlorobenzene (HCB)	Fungicide
15	87-68-3	Hexachlorobutadiene	Solvent
16	58-89-9	Lindane	Pesticide
17	2385-85-5	Mirex	Flame retardant, pesticide
18	608-93-5	Pentachlorobenzene (PeCB)	Dyestuff carrier, fungicide, flame retardant
19	87-86-5 (※1)	Pentachlorophenol and its salts and esters	Pesticide
20	2051-24-3 (※1)	Polychlorinated biphenyls (PCB)	Heat exchange fluid, etc
21	2050-69-3 (※1)	Polychlorinated naphthalenes(chlorine number	Insulating coating, etc
22	5436-43-1 (※1)	Tetrabromodiphenyl ether	Flame retardant
23	60348-60-9 (※1)	Pentabromodiphenyl ether	Flame retardant
24	8001-35-2	Toxaphene	Pesticide

25	1163-19-5	Decabromodiphenyl ether	Flame retardant
26	85535-84-8	Short-chained chlorinated paraffins	Plasticizer
27	115-32-2	Dicofol	Pesticide
28	335-67-1 (※1)	Perfluorooctanoic acid(PFOA), its salts and PFOA-related compounds	Fluoropolymer processing aid, surfactant, etc
29	355-46-4 (※1)	Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	Manufacture of electronics and semiconductors
30	72-43-5	Methoxychlor	Pesticide
31	13560-89-9 (※1) (※3)	Dechlorane Plus	Plasticizer
32	25973-55-1 (※3)	UV-328	UV stabilizer

^{※1:} There are other CAS No. to be covered.

(4) Five PBT Chemicals under TSCA

https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals

No.	CAS No.	Chemical	Uses
1	68937-41-7	Phenol, isopropylated phosphate (3:1) PIP(3:1)	Flame retardants in polyvinyl chloride (PVC) plastics, polyurethanes, BPA epoxies, and lubricants
2		Decabromodiphenyl ether DecaBDE	Flame retardant for heat shrink and nylon connectors
3	87-68-3	Hexachlorobutadiene HCBD	Intermediate substance formed during the production of chlorinated hydrocarbons
4	133-49-3	Pentachlorothiophenol PCTP	May be present in butadiene or isoprene rubber
5	1/3/-/n-3	2,4,6-Tris(tert-butyl)phenol 2,4,6-TTBP	Some types of oils used to lubricate parts

^{*2:} For the purposes of the entries on No.12, 13, 22, 23 and 25, 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 Regulation (EU) 2019/1021 ANNEX I.

[※]3: C.N.77.2024.TREATIES−XXVII.15

Monitoring substances

- What are monitoring substances?

 Chemical substances whose content in products and parts must be reported when disclosure is required by laws and regulations.
 - If there are threshold values according to various laws and regulations, the minimum value among the threshold values specified for each condition is used. The percentage of ingredients contained is confirmed by chemSHERPA. 0
 - 0
 - Substances that can be answered by submitting chem HERPA data will be deemed to have been declared by submitting such data.
 - 0 For substances that have not yet been chemSHERPA compliant or have not yet been applied under the promulgated laws and regulations, please cooperate with us by submitting a written pledge.

 Even for chemSHERPA-compliant substances, we may ask you to submit a written pledge for certain reasons.

 Even if the content is below the threshold value, if you know the content, please report it.

Candidate List of SVHC for Authorisation

SVHC	No.	CAS No.	Substance name
	1	120-12-7	アントラセン
			Anthracene 4.4'-メチレンビスアニリン
	2	101-77-9	4,4'- Diaminodiphenylmethane [MDA]
	3	84-74-2	フタル酸ジブチル Dibutyl phthalate [DBP]
	4	7646-79-9	塩化コバルト(Ⅱ)
	- 5	1303-28-2	Cobalt dichloride 五酸化二ヒ素
		1303-28-2	Diarsenic pentaoxide 三酸化二ヒ素
	6	1327-53-3	Diarsenic trioxide
	7	7789-12-0	ニクロム酸(重クロム酸)ナトリウム 二水和物 無水ニクロム酸(重クロム酸)ナトリウム
		10588-01-9	Sodium dichromate 2.4.6-トリニトロ-5-t-ブチル-1.3-キシレン、マスクキシレン
1st	8	81-15-2	5-tert-butyl-2,4,6-trinitro-m-xylene [musk xylene]
100	9	117-81-7	フタル酸ビス(2-エチルヘキシル) Bis (2-ethylhexyl)phthalate [DEHP]
		25637-99-4	ヘキサブロモシクロドデカン
	10	3194-55-6 134237-51-7	Hexabromocyclododecane [HBCDD] all major diastereoisomers identified
		134237-50-6 134237-52-8	an major diastereoisomers identified $(\alpha - \text{HBCDD}, \beta - \text{HBCDD}, \gamma - \text{HBCDD})$
	11	85535-84-8	短鎖塩素化パラフィン
	10	E6 2E 0	Alkanes, C10-13, chloro [Short Chain Chlorinated Paraffins] ビス-n-トリブチルスズオキサイド
	-	56-35-9	Bis(tributyltin)oxide [TBTO] 上酸鉛
	13	7784-40-9	Lead hydrogen arsenate
	14	85-68-7	フタル酸-n-ブチル=ベンジル Benzyl butyl phthalate [BBP]
	15	15606-95-8	上酸トリエチル Triethyl arsenate
	16	90640-80-5	アントラセンオイル
	17	91995-17-4	Anthracene oil アントラセンペースト、軽質留分
			Anthracene oil, anthracene paste, distn. lights アントラセンオイル、アントラセンペースト、アントラセン留分
	18	91995-15-2	Anthracene oil, anthracene paste, anthracene fraction
	19	90640-82-7	アントラセンオイル Anthracene oil, anthracene-low
	20	90640-81-6	アントラセンオイル、アントラセンペースト Anthracene oil, anthracene paste
	21	65996-93-2	高温コールタールピッチ
2nd	22	121-14-2	Pitch, Coal tar, high temp. 2.4-ジニトロトルエン
2.110			2,4-Dinitrotoluene フタル酸ジイソブチル
	23	84-69-5	Diisobutyl phthalate [DIBP]
	24	7758-97-6	クロム酸鉛 Lead chromate
	25	12656-85-8	硫酸モリブデン酸クロム酸鉛、C.I ピグメントレッド104 Lead chromate molybdate sulfate red (C.I. Pigment Red 104)
	26	1344-37-2	黄鉛、C.I ピグメントイエロー34
	27	115-96-8	Lead sulfochromate yellow (C.I. Pigment Yellow 34) リン酸トリス(2-クロロエチル)
			Tris(2-chloroethyl)phosphate アクリルアミド
	28	79-06-1	Acrylamide
	29	79-01-6	トリクロロエチレン Trichloroethylene
	30	10043-35-3 11113-50-1	ホウ酸 Boric acid
		12179-04-3	四ホウ酸ナトリウム(四ホウ酸ニナトリウム、ホウ砂)、無水物
	31	1330-43-4 1303-96-4	四ホウ酸ナトリウム十水和物、無水物、五水和物 Disodium tetraborate, anhydrous
3rd	32	12267-73-1	四ホウ酸ニナトリウム(七酸化四ホウ酸ニナトリウム), 水和物 Tetraboron disodium heptaoxide, hydrate
	33	7775-11-3	クロム酸ナトリウム
	3/1	7789-00-6	Sodium chromate クロム酸カリウム
			Potassium chromate ニクロム酸アンモニウム、重クロム酸アンモニウム
	35	7789-09-5	Ammonium dichromate
	36	7778-50-9	ニクロム酸カリウム、重クロム酸カリウム Potassium dichromate
	37	10124-43-3	硫酸コバルト(II) Cobalt(II) sulphate
J		l	

1	38	10141-05-6	硝酸コバルト(II)
	39	513-79-1	Cobalt(II) dinitrate 炭酸コバルト(II)
	40	71-48-7	Cobalt(II) carbonate 酢酸コバルト(II)
4th		109-86-4	Cobalt(II) diacetate 2-メトキシエタノール、メチルセロソルブ
	42	110-80-5	2-Methoxyethanol 2-エトキシエタノール、セロソルブ
		1333-82-0	2-Ethoxyethanol 三酸化クロム、無水クロム酸(VI)
			Chromium trioxide 三酸化クロムおよびそのオリゴマーから生成される酸
	44	7738-94-5 13530-68-2	クロム酸 Chromic acid ニクロム酸、重クロム酸 Dichromic acid クロム酸、ニクロム酸のオリゴマーOligomers of chromic acid and dichromic acid
	45	111-15-9	酢酸2-エトキシエチル 2-Ethoxyethyl acetate
	46	7789-06-2	クロム酸ストロンチウム Strontium chromate
	47	68515-42-4	フタル酸ヘプチルノニルウンデシル (DHNUP) 1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters
5th	48	302-01-2 7803-57-8	ヒドラジン Hydrazine
	49	872-50-4	N-メチル-2-ピロリドン 1-Methyl-2-pyrrolidone
	50	96-18-4	1,2,3-トリクロロプロパン
	51	71888-89- 6	1.2.3-Trichloropropane 1.2-ベンゼンジカルボン酸; ジーC6-8-ブランケドアルキルエステルス, C7- rich [DIHP]
	52	_	1,2-Benzenedicarboxylic acid,di-C6-8-branched alkyl esters, C7-rich ジルコニアアルミノケイ酸、耐火性セラミック繊維
		7778-44-1	Zirconia Aluminosilicate, Refractory Ceramic Fibres※2 ヒ酸カルシウム
		111-96-6	Calcium arsenate ジグリム
	55		Bis(2-methoxyethyl) ether アルミノケイ酸、耐火性セラミック繊維
			Aluminosilicate, Refractory Ceramic Fibres ヒドロキシオクタオキソニ亜鉛酸ニクロム酸カリウム
		11103-86-9	Potassium hydroxyoctaoxodizincatedichromate ニピクリン酸鉛
		6477-64-1	Lead dipicrate N.Nージメチルアセトアミド
		127-19-5	N.N-dimethylacetamide 上酸
	59	7778-39-4	ー版 Arsenic acid 2-メトキシアニリン
	60	90-04-0	2-Methoxyaniline; o-Anisidine
6th	61	3687-31-8	上酸鉛 Trilead diarsenate
	62	107-06-2	1.2-ジクロロエタン 1.2-Dichloroethane
	63	49663-84-5	クロム酸八水酸化五亜鉛 Pentazinc chromate octahydroxide
	64	140-66-9	4-(1,1,3,3-テトラメチルブチル) フェノール 4-(1,1,3,3-tetramethylbutyl)phenol
	65	25214-70-4	アニリン・ホルムアルデヒド重縮合物 Formaldehyde, oligomeric reaction products with aniline
	66	117-82-8	ビス(2-メトキシエチル)=フタラート Bis(2-methoxyethyl) phthalate
	67	13424-46-9	アジ化鉛 Lead diazide, Lead azide
	68	15245-44-0	トリニトロレゾルシン鉛 Lead styphnate
	69	101-14-4	2,2'-ジクロロ-4, 4'-メチレンジアニリン 2,2'-dichloro-4,4'-methylenedianiline
	70	77-09-8	フェノールフタレイン Phenolphthalein
	71	24613-89-6	クロム(Ⅲ) (クロム酸) Dichromium tris(chromate)
	72	112-49-2	1.2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) トリエチレングリコールジメチルエーテル
	73	110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) 1,2-ジメトキシエタン
	74	1303-86-2	Diboron trioxide 三酸化二ホウ素
	75	75-12-7	ー版に一ポッポ Formamide ホルムアミド
	76	17570-76-2	TODA ストート Lead(II) bis(methanesulfonate) メタンスルホン酸鉛(II)
	77	2451-62-9	アランスルバン 政教(III) TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) イソシアヌル酸トリグリシジル
	78	59653-74-6	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)
7th	79	90-94-8	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)
	80	101-61-1	4.4'-ビス(ジメチルアミノ)ベンゾフェノン(別名:ミヒラーケトン) N.N.N'-tetramethyl-4.4'-methylenedianiline (Michler's base)
			4.4'-メチレンビス(N,N-ジメチルアニリン)(別名:ミヒラーベース) [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium
	81	2580-56-5	chloride (C.I. Basic Violet 3) クリスタルバイオレット [4-[[4-anilino-1-naphthyl]][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]
	82	548-62-9	は (L4 aliilling in high individual interpretation of the properties of the properti
1	83	561-41-1	α , α –Bis[4–(dimethylamino/phenyl]–4 (phenylamino/naphthalene–1–methanol (C.I. Solvent Blue 4)

	84	6786-83-0	4.4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol
	85	1163-19-5	4-メチルアミノ-4',4"-ビス(ジメチルアミノ)トリフェニルメタノール Bis(pentabromophenyl) ether (DecaBDE)
		72629-94-8	デカブロモジフェニルエーテル Pentacosafluorotridecanoic acid
		307-55-1	ペルフルオロトリデカン酸 Tricosafluorododecanoic acid
		2058-94-8	トリコサフルオロドデカン酸 Henicosafluoroundecanoic acid
		376-06-7	ペルフルオロウンデカン酸 Heptacosafluorotetradecanoic acid
		123-77-3	ヘインコサフルオロテトラデカン酸 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))
	- 50	120 77 0	ジアゼン-1,2-ジカルボキシアミド Hexahydro-2-benzofuran-1,3-dione (HHPA),
	01	85-42-7 13149-00-3	cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride,
	31	14166-21-3	ヘキサヒドロフタル酸無水物, シス-1,2-シクロヘキサンジカルボン酸無水物,
		05550 54 0	ヘキサヒドロフタル酸無水物 Hexahydromethylphathalic anhydride.
	92	25550-51-0 19438-60-9	Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride,
		48122-14-1 57110-29-9	Hexahydro-3-methylphathalic anhydride メチルヘキサヒドロ無水フタル酸とその異性体
	93	_	4-Nonylphenol, branched and linear 4-ノニルフェノール、分岐および直鎖
	94	_	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated 4-(1,1,3,3-テトラメチルブチル)フェノール、エトキシレート
	95	625-45-6	Methoxy acetic acid メトキシ酢酸
	96	68-12-2	N.N-dimethylformamide; dimethyl formamide N.N-ジメチルホルムアミド
	97	683-18-1	Dibutyltin dichloride (DBT) ジブチルジクロロスズ
	98	1317-36-8	Lead oxide (lead monoxide)
	99	1314-41-6	酸化鉛 Lead tetroxide (orange lead)
	100	13814-96-5	四酸化三鉛 Lead bis (tetrafluoroborate)
		1319-46-6	ホウフッ化酸鉛 Trilead bis(carbonate)dihydroxide (basic lead carbonate)
		12060-00-3	ビス(炭酸)二水酸化三鉛 Lead titanium trioxide
		12626-81-2	チタン酸鉛 Lead Titanium Zirconium Oxide
		11120-22-2	チタン酸ジルコン酸鉛 Silicic acid, lead salt
		68784-75-8	ケイ酸鉛 Silicic_acid, barium salt, lead-doped
		106-94-5	ケイ酸バリウム、鉛ドーブ I-bromopropane
		75-56-9	1-ブロモプロパン Propylene oxide; 1,2-epoxypropane; methyloxirane
		84777-06-0	メチルオキシラン 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
		605-50-5	1,2-ベンゼンジカルボン酸、ジペンチルエステル、分岐および直鎖 Diisopentylphthalate
8th		776297-69-9	フタル酸ジイソペンチル N-pentyl-isopentylphtalate
		629-14-1	フタル酸nーペンチルーイソペンチル 1,2-Diethoxyethane
		51404-69-4	1,2-ジエキトキシエタン Acetic acid, lead salt, basic
			塩基性酢酸鉛 Lead oxide sulfate
		12036-76-9	酸化硫酸鉛 [Phthalato(2-)]dioxotrilead
		69011-06-9	ニ塩基性フタル酸鉛 Dioxobis(stearato)trilead
		12578-12-0	ジオキソビス(ステアリン酸)三鉛 Fatty acids, C16-18, lead salts
		91031-62-8	脂肪酸鉛塩(炭素数16~18) Lead cyanamidate
		20837-86-9	シアナミ鉛 Lead dinitrate
		10099-74-8	硝酸鉛 Pentalead tetraoxide sulphate
		12065-90-6	塩基性硫酸鉛 Pyrochlore, antimony lead yellow
		8012-00-8	Fyrotinise, animony lead yellow ピグメントイエロー41 Sulfurous acid, lead salt, dibasic
		62229-08-7	Sulfindus aloi, lead sait, dibasic La Le
		78-00-2	Tetralead trioxide sulphate
		12202-17-4	Tertalead trioxide sulphate 三塩基性硫酸鉛 Trilead dioxide phosphonate
		12141-20-7	二塩基性リン酸鉛
		110-00-9	Furan フラン
	126	64-67-5	Diethyl sulphate 硫酸ジエチル
	127	77-78-1	Dimethyl sulphate 硫酸ジメチル
	128	143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine 3-エチル-2-メチル-2(3-メチルブチル)-1-3-オキサゾリジン

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1	129	88-85-7	Dinoseb	
		838-88-0	ジノセブ 4.4'-methylenedi-o-toluidine	
		101-80-4	4.4'-メチレンビス-0-トルイジン 4.4'-oxydianiline and its salts	
			4.4'-オキシジアニリン 4-Aminoazobenzene: 4-Phenylazoaniline	
	132	60-09-3	4-アミノアゾベンゼン 4-methyl-m-phenylenediamine (2.4-toluene-diamine)	
	133	95-80-7	4-メチル-m-フェニレンジアミン	
	134	120-71-8	6-methoxy-m-toluidine (p-cresidine) 6-メトキシ-m-トルイジン	
	135	92-67-1	Biphenyl-4-ylamine ビフェニル-4-イルアミン	
	136	97-56-3	o-aminoazotoluene O-アミノアゾトルエン	
	137	95-53-4	o-Toluidine; 2-Aminotoluene o-トルイジン	
	138	79-16-3	N-methylacetamide N-メチルアセトアミド	
	139	7440-43-9	Cadmium カドミウム	
	140	1306-19-0	グランス Cadmium oxide 酸化カドミウム	
	141	3825-26-1	Ammonium pentadecafluorooctanoate (APFO)	
9th	142	335-67-1	ペンタデカフルオロオクタン酸アンモニウム(APFO) Pentadecafluorooctanoic acid (PFOA)	
		131-18-0	ペンタデカフルオロオクタン酸 (PFOA) Dipentyl phthalate (DPP)	
			フタル酸ジ ペンチル(DPP) 4-Nonylphenol, branched and linear, ethoxylated	
	144		4-ノニルフェノール、分岐及び直鎖のエトキシレート Cadmium sulphide	
	145	1306-23-6	硫化カドミウム Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I.	
	146	573-58-0	Direct Red 28)3,3'-[(1,1'-ピフェニル)-4.4'-ジイルビス(アゾ)]ビス(4-アミノナフタレン-1-スルホネート)ニナトリウム(別名CIダイレクトレッド28)	
10th	147	Disodium 4-amino-3-[[4'-[(2.4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6- (phenylazo)naphthalene-2.7-disulphonate (G.I. Direct Black 38) ジナトリウム=4-アミノ-3-[4'-(2.4-ジアミノフェニルアゾ)-1.1'-ピフェニル-4-イルアゾ]-5-ヒドロ キシ-6-フェニルアゾ-2.7-ナフタレンジスルホナート		
	148	84-75-3	Dihexyl phthalate フタル酸ジヘキシル, ジヘキシルフタラート, フタル酸ジ-n-ヘキシル	
	149	96-45-7	Imidazolidine-2-thione; 2-imidazoline-2-thiol 2-イミダゾリジンチオン	
	150	301-04-2	Lead di(acetate) 酢酸鉛(Ⅱ), ピス酢酸鉛(Ⅱ), 二酢酸鉛(Ⅱ)	
	151	25155-23-1	Trixyly phosphate リン酸トリス(ジメチルフェニル)	
	152	68515-50-4	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	
	153	10108-64-2	ビス[アルキル(C=6)]=フタラート Cadmium chloride	
11th	154		塩化カドミウム(II) Sodium perborate; perboric acid, sodiumsalt	
		7632-04-4	過ホウ酸ナトリウム、過ホウ酸、ナトリウム Sodium peroxometaborate	
			過ホウ酸ナトリウム Cadmium fluoride	
		7790-79-6 10124-36-4;	フッ化カドミウム(II) Cadmium sulphate	
	157	31119-53-6	硫酸カドミウム(II) 2-benzotriazol-2-yl-4,6-di-tertbutylphenol(UV-320)	
		3846-71-7	2-(2H-1.2.3-ペンゾトリアゾール-2-yl)-4,6-ヴ-tert-ブチルフェノール 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328)	
12th	159	25973-55-1	2-(2H-ベンゾトリアゾール-2-イル)-4,6-ジ-tert-ペンチルフェノール	
	160	15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE) ビス(2-エチルヘキサン-1-イル)=2,2'-[(ジオクタン-1-イルスタンナンジイル)ビス(スルファンジイル)]ジアセタート	
	161	_	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 (reactionmass of DOTE and MOTE) DOTEとMOTEの反応物	
	162	68515-51-5 68648-93-1	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) 1,2-ベンゼンジカルボン酸、ブ-C6~10-アルキルエステル;1,2-ベンゼンジカルボン酸、デシル・ヘキシル・オクチルジエステルと0.3%以上のフタル酸ジヘキシル(EC No.201-559-5)との混合物	
13th	163	_	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any ofthe individual isomers of [1] and [2] or anycombination thereof] 5-sec-ブチル-2-(2,4-ジメチルシクロヘキサ-3-エン-1-イル)-5-メチル-1,3-ジオキサン[1]、5-sec-ブチル-2-(4,6-ジメチルシクロヘキサ-3-エン-1-イル)-5-メチル-1,3-ジオキサン[2]([1]と [2]の個々の異性体、またはその組合せも含む)	
	164	1120-71-4	1,3-propanesultone 1,3-プロパンスルトン	
	165	3864-99-1	2.4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)2-(2-ヒドロキシ-3.5-ジ-t-ブ チルフェニル) -5-クロロベンゾトリアゾール[別名:2-(3.5-ジ-tert-ブチル-2-ヒドロキシフェニル) -5-クロロベンゾトリアゾール	
14th	166	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) 2-(2H-ベンゾトリアゾール-2-イル)=4-tert-ブチル-6-sec-ブチルフェノール	
	167	98-95-3	Nitrobenzene ニトロベンゼン	
	168	375-95-1 21049-39-8 4149-60-4	Perfluorononan-1-oic-acid and its sodium and ammonium salts パーフルオロノナン-1-酸とその塩とアンモニウム塩	

15th	169	50-32-8	Benzo[def]chrysene (Benzo[a]pyrene) ベンゾ[def]クリセン (ベンゾ[a]ピレン)	
	170	80-05-7	4.4'-isopropylidenediphenol (bisphenol A; BPA) 4.4'-イソプロピリデンジフェノール(ビスフェノールA)、BPA、2.2-ビス(p-ヒドロキシフェニル)プロバ	
	170		ンなど	
	171	335-76-2 3830-45-3	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts ノナデカフルオロデカン酸(PFDA)およびそのナトリウムとアンモニウム塩、ノナデカフルオロデカ	
	172	3108-42-7 80-46-6	ン酸アンモニウム、ノナデカフルオロデカン酸、ノナデカフルオロデカン酸ナトリウム) p-(1,1-dimethylpropyl)phenol	
16th	1/2	80-40-0	p-(1,1-ジメチルプロピル)フェノール、4-tert-アミルフェノールなど 4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with	
			a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a	
	173	_	combination thereof] 4-ヘプチルフェノール、分岐および直鎖[フェノールの4の位置で炭素数7の直鎖および/または	
			分岐したアルキル鎖が共有結合している物質、個々の異性体やその組合せのどれでもを含ん	
			だUVCB物質およびwell-defined物質(組成等が分かっている物質)を含む] Perfluorohexane-1-sulphonic acid and its salts	
17th	174	355-46-4	トリデカフルオロ-1-ヘキサンスルホン酸、ペルフルオロヘキサンスルホン酸、パーフルオロヘキ サンスルホン酸とその塩	
	175	218-01-9	Chrysene クリセン、ベンゾ[a]フェナントレン	
	176	56-55-3	Benz[a]anthracene ベンズ[a]アントラセン	
	177	10325-94-7	ヘン人(a)アントフセン Cadmium nitrate 硝酸かドミウム	
	178	21041-95-2	Cadmium hydroxide	
10.1	179	513-78-0	水酸化カドミウム Cadmium carbonate	
18th			炭酸カドミウム 1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10] octadeca-	
	180	_	7,15-diene ("Dechlorane Plus"TM) [covering any of its individual anti- and syn-isomers or any combination thereof] 1,6,7,8,9,14,15,16,17,17,18,18- ドデカクロロペンタシクロ	
			[12.2.1.16,9.02,13.05,10]オクタデカ-7,15-ジエン("デクロランプラス"TM) [個々のanti-およびsyn-の異性体、またはその組合せを含む]	
			Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ?0.1% w/w 4-heptylphenol, branched and linear 1,3,4-+FP	
	181	_	ジアゾリジン-2,5-ジチオン、ホルムアルデヒド、4-ヘプチルフェノール、分岐および直鎖(RP-	
	182	556-67-2	HP)[0.1wt%以上の4-ヘプチルフェノール、分岐および直鎖]の反応性生物 Octamethylcyclotetrasiloxane (D4)	
		541-02-6	オクタメチルシクロテトラシロキサン(D4) Decamethylcyclopentasiloxane (D5)	
		540-97-6	デカメチルシクロペンタシロキサン(D5) Dodecamethylcyclohexasiloxane (D6)	
			ドデカメチルシクロヘキサシロキサン(D6) Lead	
		7439-92-1	함 Disodium Octaborate	
19th		12008-41-2	ハホウ酸ニナトリウム Benzo[ghi]perylene	
	187	191-24-2	ベンゾ[ghi]ペリレン	
	188	61788-32-7	Terphenyl, hydrogenated 水素化ターフェニル、水素化テルフェニル	
	189	107-15-3	Ethylenediamine(EDA) エチレンジアミン	
	190	552-30-7	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride(trimellitic anhydride)(TMA) 1,2,4-ベンゼントリカルボン酸1,2-無水物(トリメリット酸無水物)、無水トリメトリット酸 Developeral antholsto(DCHB)	
	191	84-61-7	Dicyclohexyl phthalate(DCHP) フタル酸ジシクロヘキシル(DCHP)	
	192	6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane 2,2-ビス(4-ヒドロキシフェニル)-4-メチルペンタン、	
	400		4,4'-(1,3-ジメチルブチリデン)ジフェノール Benzo[k]fluoranthene	
		207-08-9	ベンゾ[k]フルオランテン Fluoranthene	
20th		206-44-0	フルオランテン Phenanthrene	
	195	85-01-8	フェナントレン	
	196	129-00-0	Pyrene	
	197	15087-24-8	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one 1,7,7-トリメチル-3-(フェニルメチレン)ビシクロ[2.2.1]ヘプタン-2-オン	
	198	110-49-6	2-methoxyethyl acetate 2-メトキシエチルアセテート、エチレングリコールモノメチルエーテルアセテート	
	199		Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geqq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	
04.1	199		亜リン酸トリス(直鎖、分岐鎖4-ノニルフェニル) (TNPP)(直鎖、分岐鎖4-ノニルフェノール(4-NP)を0.1w/w%以上含有するもの)	
21th			2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	
	200		2.3.3.3 - テトラフルオロ-2-(ヘブタフルオロプロポキシ)プロピオン酸とその塩、その酸ハロゲン化物(各異性体およびその混合物を含む)	
	201	98-54-4	4-tert-butylphenol	
1	202	71850-09-4	4-tert-ブチルフェノール Diisohexyl phthalate	
		119313-12-1	フタル酸ジイソヘキシル 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	
22th		71868-10-5	2-ベンジル-2-ジメチルアミノ-4'-モルホリノブチロフェノン 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	
			2-メチル-1-(4-メチルチオフェニル)-2-モルホリノプロパン-1-オン Perfluorobutane sulfonic acid (PFBS) and its salts	
	205		パーフルオロブタンスルホン酸 (PFBS)およびその塩 1-vinylimidazole	
		1072-63-5	1-ビニルイミダゾール 2-methylimidazole	
23+h	207	693-98-1	2-メチルイミダゾール	

ZJUI	208	94-26-8	Butyl 4-hydroxybenzoate 4-ヒドロキシ安息香酸ブチル		
	209	22673-19-4	Dibutylbis(pentane-2,4-dionato-0,0')tin		
		143-24-8	ジブチルビス(2, 4ーペンタンジオナト)スズ(IV) bis(2-(2-methoxyethoxy)ethyl) ether		
	210	143-24-0	ビス(2-(2-メトキシエトキシ)エチル)エーテル Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane,		
24th 2111		_	Unocty/trn dilaurate, stannane, diocty/-, bis(coco acyloxy) derivs., and any other stannane, diocty/-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety ジオクチルスズジラウレート スタンナンのジオクチル誘導体、ビス(ココ アシルオキシ)誘導体 他のスタンナンのジオクチル誘導体、ビス(脂肪族アシルオキシ)誘導体(C12が脂肪族アシルキシ部位の主要な炭素数である)		
	212	_	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers 2-(4-tert-ブチルベンジル) プロピオンアルデヒドおよびその各立体異性体		
	213	13840-56-7	Orthoboric acid, sodium salt ホウ酸のナトリウム塩		
		3296-90-0	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-ビス(ブロモメチル) プロパン-1,3-ジオール (BMP)		
	214	36483-57-5 1522-92-5	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,2-ジメチルプロパン-1-オール、トリブロモ誘導体3-ブロモ-2,2-ビス(ブロモメチル)-1-プロパノール (TBNPA)		
		96-13-9	2,3-dibromo-1-propanol (2,3-DBPA) 2,3-ジブロモ-1-プロパノール (2,3-DBPA)		
25th	215	111-30-8	Glutaral グルタラール		
	216	_	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]		
			中鎖塩素化パラフィン(MCCP)[炭素鎖がC14からC17の範囲にある直鎖クロロアルカンが80%以上含まれるUVCB物質]		
	217	_	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP) フェノールのアルキル化物(主にパラ位) (オリゴマー化したものからC12リッチの分岐鎖または直鎖アルキル鎖を有する)。個々の異性体および混合物、それらの組み合わせを含む。		
			(PDDP; p-dodecylphenol, p-ドデシルフェノール) 1.4-dioxane		
	218	123-91-1	1,4-ジオキサン		
	219	77-40-7	4.4"-(1-methylpropylidene)bisphenol; (bisphenol B) 4.4"-(1-メチルプロビリデン)ビスフェノール(ビスフェノールB)		
	220	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC) 6,6'-ジ-tert-ブチル-2,2'-メチレンジ-p-クレゾール(DBMC)		
	221	221 1067-53-4 tris(2-methoxyethoxy)vinylsilane トリス(2-メトキシエトキシ)ビニルシラン			
26th	222	_	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (±)-1,7,7-トリメチル-3-[(4-メチルフェニル)メチレン]ビシクロ[2.2.1]ヘプタン-2-オン の個々の異性体および/またはそれらの組み合わせのいずれかを含む(4-MBC)		
	223	255881-94-8	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate S-(トリシクロ[5.2.1.0'2,6]デカ-3-エン-8(or 9)-イル) O-(イソプロピルor イソブチルor 2-エチルへキシル) O-(イソプロピルor イソブチルor 2-エチルへキシル) O-(イソプロピルor イソブチルor 2-エチルへキシル) かるホロジチオエート		
27th	224	924-42-5	N-(hydroxymethyl)acrylamide N-(ヒドロキシメチル)アクリルアミド		
	225	37853-59-1	1,1'-[ethane-1,2-diy bisoxy]bis[2,4,6-tribromobenzene] 1,1'-[エタン-1,2-ジイルビスイソオキシ]ビス[2,4,6-トリブロモベンゼン]		
	226	79-94-7	2.2'.6.6'-Tetrabromo-4.4'-isopropylidenediphenol 2.2'.6.6'-テトラブロモ-4.4'-イソプロピリデンジフェノール		
	227	80-09-1	4.4'-sulphonyldiphenol 4.4-スルホニルジフェノール		
		13701-59-2	Barium diboron tetraoxide		
		10701 00 2	メタホウ酸パリウム Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or		
28th	229	_	Dist2-ethylinexyl) tetrationinpricinate covering any of the individual isomers and/or combinations thereof テトラブロモフタル酸ビス(2-エチルヘキシル)(個々の異性体および/またはその組み合わせのいずれかをカバーしたもの)		
	230	4247-02-3	Isobutyl 4-hydroxybenzoate 4-ヒドロキシ安息香酸イソブチル		
	231	108-78-1	Melamine メラミン(モノマー)		
	232	_	Perfluoroheptanoic acid and its salts パーフルオロヘプタン酸およびその塩		
	233	-	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine 2,2,3,3,5,5,6,6-オクタフルオロ-4-(1,1,1,2,3,3,3-ヘプタフルオロプロパン-2-イル)モルホリンと2,2,3,3,5,5,6,6-オクタフルオロ-4-(ヘプタフルオロプロピル)モルホリンの反応生成物		
0011	234	75980-60-8	Diphenyl(2.4.6-trimethylbenzoyl)phosphine oxide ジフェニル(2.4.6-トリメチルベンゾイル)ホスフィンオキシド		
29th	235	80-07-9	Bis(4-chlorophenyl) sulphone ビス(4-クロロフェニル)スルホン		
	236	732-26-3	2,4,6-tri-tert-butylphenol		
	237	3147-75-9	2.4.6ートリーtert-ブチルフェノール 2-(2H-benzotriazol-2-v)/-4-(1,1,3,3-tetramethylbutyl)phenol		
2-(2H-ヘンソトリアソール-2-イル)-4-(1,1,3,3-ナトフメナルノナル)ノエノ 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)pi		2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one 2-(ジメチルアミノ)-2-[(4-メチルフェニル)メチル]-1-[(4-モルホリン-4-イル) フェニル]ブタン-1-			
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	239	3896-11-5	Bumetrizole ブメトリゾール
	240	_	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol 2-フェニルプロペンとフェノールのオリゴマー化およびアルキル化反応生成物
31th	241	80-43-3	Bis(α,α-dimethylbenzyl) peroxide ビス(α,α-ジメチルベンジル)パーオキサイド
3101	242	115-86-6	Triphenyl phosphate トリフェニルホスフェート
	243	2156592-54-8	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-y[]hexanoic acid 6-[(C10-C13)-アルキル-(分岐, 不飽和)-2,5-ジオキソピロリジン-1-イル]ヘキサン酸
	244	597-82-0	0,0,0-triphenyl phosphorothioate 0,0,0-トリフェニルホスホロチオエート
32th	245	107-51-7	Octamethyltrisiloxane オクタメチルトリシロキサン
	246	338-83-0	Perfluamine パーフルアミン
	247	192268-65-8	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives トリフェニルチオホスフェートとtert-ブチルフェニル誘導体の反応生成物

No.	https://environment.ec.europa.eu/document/download/683f0651-ffbd	-4f2b-a070-c67311203c79 en?filename=Exemptions%20list%20%20valid Exemption (Japanese)		expiration (Japanese)
1	Mercury in single capped (compact) fluorescent lamps not exceeding	片口金(コンパクト形)蛍光ランプに含まれる1バーナー当たりの含有量が	— Coope and dates of applicability	- CAPITACION (Capanose)
	(per burner): For general lighting purposes < 30 W: 5 mg	次の量を超えない水銀 一般照明用で30W未満:5mg	Expires on 31 December 2011;	-2011年12月31日まで
1(a)			3,5 mg may be used per burner after 31 December 2011 until 31 December 2012;	2011年12月31~2012年12月31日:3.5mg/バーナー2012年12月31日以降:2.5mg/バーナー
1(b)	For general lighting purposes ≧ 30 W and < 50 W: 5 mg	一般照明用で30W以上50W未満:5mg	Expires on 31 December 2011; 3,5 mg may be used per burner after 31 December 2011	-2011年12月31日まで -2011年12月31日以降: 3.5mg/バーナー
	For general lighting purposes ≧ 50 W and <150 W: 5 mg	一般照明用で50W以上150W未満:5mg	o,5 mg may be used per burner arter 31 December 2011	2011年12月01日以降. 3.3mg/ / /
1(d)		一般照明用で150W以上:15mg 円形または四角型の一般照明用で、かつチューブの直径17mm以下	No limitation of use until 31 December 2011;	-2011年12月31日まで制限なし
1(f)	and tube diameter ≥ 17 mm	特殊用:5mg	7 mg may be used per burner after 31 December 2011	・2011年12月31日以降: 7mg/バーナー
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg	一般照明用で寿命が20000時間以上の30W未満:3.5mg	Expires on 31 December 2017	-2017年12月31日まで
2(a)	Mercury in double-capped linear fluorescent lamps for general lighting	一般照明用途の2口金直管蛍光ランプに含まれるランプ当たりの含有量	-	-
	purposes not exceeding (per lamp):	が次の量を超えない水銀 通常寿命の3波長形、管径9mm未満(例 T2):5mg	Expires on 31 December 2011;	*2011年12月31日まで
Z(a)(1)	T2): 5mg	標準寿命の3波長形蛍光ランプで管径9mm以上17mm以下(例 T5):5mg	4 mg may be used per lamp after 31 December 2011	-2011年12月31日以降: 4mg/ランプ -2011年12月31日まで
2(a)(2)	and ≥ 1 / mm (e.g. 15): 5 mg		3 mg may be used per lamp after 31 December 2011	・2011年12月31日以降:3mg/ランプ
2(a)(3)	and ≦ 28 mm (e.g. T8): 5 mg		Expires on 31 December 2011; 3,5 mg may be used per lamp after 31 December 2011	2011年12月31日まで2011年12月31日以降: 3.5mg/ランプ
2(a)(4)	Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	標準寿命の3波長形蛍光ランプで管径28mm超(例 T12):5mg	Expires on 31 December 2012; 3,5 mg may be used per lamp after 31 December 2012	・2012年12月31日まで・2012年12月31日以降: 3.5mg/ランプ
2(a)(5)	Tri-band phosphor with long lifetime (≧ 25000 h): 8 mg	長寿命(25000時間以上)の3波長形蛍光ランプ:8mg	Expires on 31 December 2011;	・2011年12月31日まで
2(b)	Mercury in other fluorescent lamps not exceeding (per lamp):	その他の蛍光ランプに含まれるランプ当たりの含有量が次の量を超えな	5 mg may be used per lamp after 31 December 2011	-2011年12月31日以降: 5mg/ランプ -
	Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g.	い水銀 非直管の3波長形蛍光ランプで管径17mm超(例 T9)	No limitation of use until 31 December 2011;	-2011年12月31日まで制限なし
2(b)(3)	T9) Lamps for other general lighting and special purposes (e.g. induction	一般照明用および特殊用のその他のランプ(例 電磁誘導灯)	15 mg may be used per lamp after 31 December 2011 No limitation of use until 31 December 2011;	-2011年12月31日以降: 15mg/ランプ -2011年12月31日まで制限なし
2(b)(4)	(lamps)		15 mg may be used per lamp after 31 December 2011	-2011年12月31日は降:15mg/ランプ
3	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding	特殊用途の冷陰極蛍光ランプおよび外部電極蛍光ランプ(CCFLおよび EEFL)に含まれる、ランプ当たりの含有量が次の量を超えない水銀	-	_
	(per lamp): Short length (≦ 500 mm)	短型ランプ(500mm以下)	No limitation of use until 31 December 2011:	-2011年12月31日まで制限なし
3(a)			3,5 mg may be used per lamp after 31 December 2011	・2011年12月31日以降: 3.5mg/ランプ
3(b)	Medium length (> 500 mm and ≦ 1500 mm)	中型ランプ (500mm超、1500mm以下)	No limitation of use until 31 December 2011; 5 mg may be used per lamp after 31 December 2011	-2011年12月31日まで制限なし -2011年12月31日以降:5mg/ランプ
	Long length (> 1500 mm)	長型ランプ (1500mm超)	No limitation of use until 31 December 2011; 13 mg may be used per lamp after 31 December 2011	-2011年12月31日まで制限なし -2011年12月31日以降: 13mg/ランプ
4(a)	Mercury in other low pressure discharge lamps (per lamp)	その他の低圧放電管ランプに含まれるランプ当たりの水銀	No limitation of use until 31 December 2011;	・2011年12月31日まで制限なし
1(4)		 平均演色評価数が60を超えるように改善された一般照明用の高圧ナトリ	15 mg may be used per lamp after 31 December 2011	-2011年12月31日以降: 15mg/ランプ -
4(b)	purposes not exceeding (per burner) in lamps with improved colour	ウム(蒸気)ランプに含まれる、ランプ中の含有量が1バーナー当たり次の		
4(h)-1	rendering index Ra > 60: P ≦ 155 W	<u>量を超えない水銀</u> P≦155W	No limitation of use until 31 December 2011;	- 2011年12月31日まで制限なし
4(b)-II	155 W < P ≦ 405 W	155W <p≦405w< td=""><td>30 mg may be used per burner after 31 December 2011 No limitation of use until 31 December 2011;</td><td>-2011年12月31日以降: 30mg/バーナー -2011年12月31日まで制限なし</td></p≦405w<>	30 mg may be used per burner after 31 December 2011 No limitation of use until 31 December 2011;	-2011年12月31日以降: 30mg/バーナー -2011年12月31日まで制限なし
		405W < P	40 mg may be used per burner after 31 December 2011 No limitation of use until 31 December 2011;	-2011年12月31日以降: 40mg/パーナー -2011年12月31日以降: 40mg/パーナー
4(b)-III			40 mg may be used per burner after 31 December 2011	-2011年12月31日まで制設なし -2011年12月31日以降: 40mg/バーナー
4(c)	lighting nurnoses not exceeding (per hurner):	その他の一般照明用の高圧ナトリウム(蒸気)ランプに含まれるランプ中 の含有量が1バーナー当たり次の量を超えない水銀		
4(c)-I		P≦155W	No limitation of use until 31 December 2011; 25 mg may be used per burner after 31 December 2011	-2011年12月31日まで制限なし -2011年12月31日以降: 25mg/パーナー
4(c)-II	155 W < P ≦ 405 W	155W≦P<405W	No limitation of use until 31 December 2011;	・2011年12月31日まで制限なし
	P > 405 W	P>405W	30 mg may be used per burner after 31 December 2011 No limitation of use until 31 December 2011;	-2011年12月31日以降:30mg/バーナー -2011年12月31日まで制限なし
	Mercury in metal halide lamps (MH)	金属ハロゲン化物ランプ(MH)に含まれる水銀	40 mg may be used per burner after 31 December 2011	-2011年12月31日以降: 40mg/バーナー
4(f)	Manager in the second in the s	本付属書に特に定められていないその他のランプに含まれる水銀		
5(b)	Lead in glass of fluorescent tubes not exceeding 0,2 % by weight	蛍光管のガラスに含まれる0.2wt%を超えない鉛	English on 04 lab 0004 C	カテゴリ1~7、10について有効期限: 2021年7月21日
6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0,35 $\%$ lead by weight and in batch hot dip galvanised steel	機械加工用の鋼材中に含金成分として含まれる0.35wt%の鉛およい パッチ式の溶融亜鉛めっき鋼材部品中に含まれる0.2wt%までの鉛	Expires on 21 July 2021 for categories 1-7 and 10.	カテコリ1~/、10について有効期限:2021年/月21日
	and the second s	数を含有するアルミニウムのスクラップをリサイクルして得られたアルミニ カノ に 今今はハトレーア 今十ち スク・パーナ スクが	Expires on 21 July 2021 for categories 1–7 and 10	カテゴリ1~7、10について有効期限:2021年7月21日
6(b)-I	weight, provided it stems from lead-bearing aluminium scrap recycling	出る自分を成分として含まれる0.4wt%までの鉛		
6(b)-II	weight, provided it stems from lead-bearing aluminium scrap recycling Lead as an alloying element in aluminium for machining purposes with a lead content up to 0,4 % by weight		Expires on 18 May 2021 for categories 1-7 and 10.	カテゴリ1~7、10について有効期限:2021年5月18日
	Copper alloy containing up to 4 % lead by weight	銅合金に含まれる4wt%までの鉛	21 July 2021 for categories 1-7 and 10, 21 July 2021 for categories 8 and 9 other than in vitro diagnostic	・カテゴリ1~7、10:2021年7月21日 ・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日
6(c)			medical devices and industrial monitoring and control instruments,	
			21 July 2023 for category 8 in vitro diagnostic medical de-vices, 21 July 2024 for category 9 industrial monitoring and control	・カテゴリ8体外診断用医療機器:2023年7月21日・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
	Lead in high melting temperature type solders (i.e. lead- based alloys	 高融点はんだ(すなわち鉛含有率が85w%以上の鉛ベースの合金)に含ま	instruments, and for category 11. Applies to categories 1-7 and 10 (except applications covered by	・カテゴリ1~7、10(本付属書の24項でカバーされる範囲を除く):2021年7月21日
	containing 85 % by weight or more lead)	れる鉛	point 24 of this Annex) and expires on 21 July 2021. For categories 8 and 9 other than in vitro diagnostic medical devices	・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日
			and industrial monitoring and control instruments expires on 21 July	「仲介的前用区が協論のよび生未用重視・制御協論を除くガナコウの、5.2021年7月21日
7(a)			2021. For category 8 in vitro diagnostic medical devices expires on 21 July	・カテゴリ8体外診断用医療機器:2023年7月21日
			2023. For category 9 industrial monitoring and control instruments, and for	
			category 11 expires on 21 July 2024.	
	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic	電気電子部品中のコンデンサ中の誘電体セラミック以外(例えば圧電素子)のガラスまたはセラミック、またはガラスまたはセラミックを母材とする	Applies to categories 1–7 and 10 (except applications covered under point 34) and expires on 21 July 2021.	-2011年12月31日以降: 25mg/バーナー
	devices, or in a glass or ceramic matrix compound	化合物中に含まれる鉛	For categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments expires on 21 July	・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日
7(c)-I			2021.	
			For category 8 in vitro diagnostic medical devices expires on 21 July 2023.	・カテゴリ8体外診断用医療機器:2023年7月21日
			For category 9 industrial monitoring and control instruments, and for	・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
		定格電圧がAC125VまたはDC250Vまたはそれ以上のコンデンサ内の誘		この附属書のNo.7(c)-I、7(c)-IVでカバーされる用途には適用されない。
	AC or 250 V DC or higher	電体セラミック中の鉛	this Annex. 21 July 2021 for categories 1-7 and 10;	・カテゴリ1~7、10:2021年7月21日
7(c)-II			21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;	・体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
			21 July 2023 for category 8 in vitro diagnostic medical devices;	・カテゴリ8体外診断用医療機器: 2023年7月21日
			21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
	Lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors	IC(集積回路)またはディスクリート半導体の一部品であるコンデンサ用のPZT系誘電体セラミック材料中の鉛	21 July 2021 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic	・カテゴリ1~7、10:2021年7月21日・体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
7(c)-IV			medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices;	・カテゴリ8体外診断用医療機器:2023年7月21日
			21 July 2024 for category 9 industrial monitoring and control	・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
-	Cadmium and its compounds in electrical contacts used in:	以下で使用される電気接点中のカドミウムとその化合物	instruments, and for category 11. Applies to categories 1 to 7 and 10 and expires on 21 July 2021.	カテゴリ1~7、10に適用。有効期限:2021年7月21日
	- circuit breakers, - thermal sensing controls,	·回路遮断器 ·熱感知制御器	,	
	- thermal meter protectors (evaluding hermatic thermal meter	* 恐感知制仰奇 ・過熱モータプロテクタ(密閉型過熱モータプロテクタを除く)		
8(b)-I	protectors), – AC switches rated at:	・下記定格のACスイッチ		
	- 6 A and more at 250 V AC and more, or - 12 A and more at 125 V AC and more,	250V AC以上において6A以上 125V AC以上において12A以上		
	- DC switches rated at 20 A and more at 18 V DC and more, and	・18V DC以上において20A以上の定格のDCスイッチ		
	- switches for use at voltage supply frequency ? 200 Hz. Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion	-200Hz以上の周波数の電源で使用するスイッチ 一定の条件下で75W未満の平均使用電力となる電気ヒーターを使用した	Applies to categories 1-7 and 10 and expires on 5 March 2021.	カテゴリ1~7、10について有効期限:2021年3月5日
9(a)- T	agent in the cooling solution of carbon steel cooling systems of absorption refrigerators (including minibars) designed to operate fully or	吸収型冷蔵庫中のカーボン・スチール冷却システムの防錆用として冷却 溶液中に含まれる0.75wt%までの六価クロム		
	partly with electrical heater, having an average utilised power input < 75 W at constant running conditions			
	Up to 0,75 % hexavalent chromium by weight, used as an anticorrosion	吸収型冷蔵庫中のカーボン・スチール冷却システムの防錆用として冷却	Applies to categories 1-7 and 10 and expires on 21 July 2021.	カテゴリ1~7、10について有効期限:2021年7月21日
۵/۵۱. π	agent in the cooling solution of carbon steel cooling systems of absorption refrigerators:	溶液中に含まれる0.75wt%までの六価クロム		
v(a) [—] II	—designed to operate fully or partly with electrical heater, having an average utilised power input	一定の条件下で75W未満の平均使用電力となる電気ヒーターを使用した もの		
	-designed to fully operate with non-electrical heater.	電気ヒーターなしのもの。 光学機器用の白色ガラスに含まれる鉛	Applies to all categories: evolves con	全てのカテゴリニ適用:有効期限
	Lead in write glasses used for optical applications	ルナル政命用ツロビルフへに含まれる鉛	Applies to all categories; expires on: 21 July 2023 for category 8 in vitro diagnostic medical devices;	・カテゴリ8体外診断用医療機器:2023年7月21日
13(a)			21 July 2024 for category 9 industrial monitoring and control instruments and for category 11;	・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
-	Cadmium and lead in filter glasses and glasses used for reflectance	イオン着色された光学フィルタガラスタイプ中の鉛	21 July 2021 for all other categories and subcategories Applies to categories 1 to 7 and 10; expires on 21 July 2021 for	・上記を除く全てのカテゴリおよび他のサブカテゴリ:2021年7月21日 カテゴリ1~7、10に適用:有効期限:2021年7月21日
13(b)-I	standards		categories 1 to 7 and 10	
13(b)-II	falling under point 30 of this Appey	学フィルタガラスタイプ中のカドミウム	Applies to categories 1 to 7 and 10; expires on 21 July 2021 for categories 1 to 7 and 10	カテゴリ1~7、10に適用;有効期限:2021年7月21日
13(b)-III	Cadmium and lead in glazes used for reflectance standards	反射標準物質用のグレーズに含まれる鉛およびカドミウム	Applies to categories 1 to 7 and 10; expires on 21 July 2021 for categories 1 to 7 and 10	カテゴリ1~7、10に適用;有効期限:2021年7月21日
	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip	以下の基準の少なくとも一つが当てはまる際の集積回路フリップチップ パッケージ内の半導体ダイとキャリア間における確実な電気接続に必要	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.	カテゴリ1~7、10に適用。有効期限:2021年7月21日
	packages where at least one of the following criteria applies:	なはんだに含まれる鉛		
15(a)	- a single die of 300 mm2 or larger in any semiconductor technology	90nm以上の半導体テクノロジーノード いかなる半導体テクノロジーノードにおいても単一ダイサイズが300mm2		
	node; - stacked die packages with die of 300 mm2 or larger, or silicon	以上 300mm2以上のダイまたは300mm2以上のシリコンのインターポーザ付き		
	interposers of 300 mm2 or larger.	Soor(initiz) エンティン・イン・イン・イン・イン・イン・イン・イン・イン・イン・イン・イン・イン・イン	21 July 2021 for out 1 7 1 142	・カテゴリ1~7、10:2021年7月21日
	of discharge lamps when used as sun tanning lamps containing	BSP(BaSi205:Pb) 寺の蛍光体を含む日焼け用フンノとして使用される 放電ランプの蛍光パウダー(1wt%以下の鉛)に活性剤として含まれる鉛	21 July 2021 for categories 8 and 9 other than in vitro diagnostic	・カテコリ1~/、10:2021年/月21日 ・体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
18(b)	phosphors such as BSP (BaSi 2 O 5 :Pb)		medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices;	・カテゴリ8体外診断用医療機器:2023年7月21日
			21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	・カテゴリ9産業用監視・制御機器、カテゴリ11: 2024年7月21日
		医療用光療法機器に使用される際のBSP(BaSi2O5:Pb)等の蛍光体を	Applies to categories 5 and 8, excluding applications covered by	この附属書IVのNo.34でカバーされる用途を除くカテゴリ5、8に適用。有効期限:2021年7月21日
18(b)-I	when used in medical phototherapy equipment	含む日焼け用ランプとして使用される放電ランプの蛍光パウダー(1wt%以下の鉛)に活性剤として含まれる鉛	entry 34 of Annex IV, and expires on 21 July 2021.	
L.	Cadmium when used in colour printed glass to provide filtering	電気電子機器のディスプレイおよびコントロールパネル中に設置される 照明用途のコンポーネントとして使用されるフィルタ機能を提供するカ	Applies to categories 1 to 7 and 10 except applications covered by entry 21(b) or entry 39 and expires on 21 July 2021.	No.21(b)または39でカバーされる用途を除くカテゴリ1~7、10に適用。有効期限:2021年7月21日
21/->	displays and control panels of EEE	ラー印刷ガラスに使用される際のカドミウム		N 04/ \+4 (400 m + .2
21(a)		ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに 含まれるカドミウム	Applies to categories 1 to 7 and 10 except applications covered by entry 21(a) or 39 and expires on 21 July 2021.	No.21(a)または39でカバーされる用途を除くカテゴリ1~7、10に適用。有効期限:2021年7月21日
21(a) 21(b)	such as borosilicate and soda lime glasses		Applies to categories 1 to 7 and 10 and expires on 21 July 2021.	カテゴリ1~7、10に適用。有効期限:2021年7月21日
	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに	Applied to dategorise 1 to 1 and 10 and expired on 21 day 2021.	
21(b)	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses Lead in solders for the soldering to machined through hole discoidal	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに 含まれる鉛 セラミック多層コンデンサを円盤状または平面状に機械加工されたス	21 July 2021 for categories 1–7 and 10,	・カテゴリ1~7、10:2021年7月21日 ・カトゴリ1~7、10:2021年7月21日 - 休めや昨日医療機器セットが企業日配用、制御機器を除くカニゴ110 0:2021年7月21日
21(b) 21(c)	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに 含まれる鉛	21 July 2021 for categories 1–7 and 10, 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments,	・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日
21(b)	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses Lead in solders for the soldering to machined through hole discoidal	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに 含まれる鉛 セラミック多層コンデンサを円盤状または平面状に機械加工されたス	21 July 2021 for categories 1–7 and 10, 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments, 21 July 2023 for category B in vitro diagnostic medical devices,	・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日 ・カテゴリ8体外診断用医療機器:2023年7月21日
21(b) 21(c)	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに含まれる鉛 セラミック多層コンデンサを円盤状または平面状に機械加工されたスルーホールへはんだ付けするためのはんだに含まれる鉛	21 July 2021 for categories 1–7 and 10. 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments, 21 July 2023 for category 8 in vitro diagnostic medical devices, 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	- 体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日 - カテゴリ8体外診断用医療機器:2023年7月21日 - カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
21(b) 21(c)	such as borosilicate and soda lime glasses Lead in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	ホウケイ酸ガラスやソーダ石灰ガラスへのエナメル塗布用印刷インキに 含まれる鉛 セラミック多層コンデンサを円盤状または平面状に機械加工されたス	21 July 2021 for categories 1–7 and 10. 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments, 21 July 2023 for category 8 in vitro diagnostic medical devices, 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日 ・カテゴリ8体外診断用医療機器:2023年7月21日

1	1.1) 0.0 (1.0) (1.0) (1.0)			
	and 4) of Council Directive 69/493/EEC(*) (*) Council Directive 69/493/EEC of 15 December 1969 on the	ているクリスタルガラスに含まれる鉛(*) (*)クリスタルガラスに関する1969年12月15日の理事会指令69/493/EEC	21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;	- 体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
	approximation of the laws of the Member States relating to crystal glass (OJ L 326, 29.12.1969, p. 36).	(1969年12月29日のOJ L326、p.36)	21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control	・カテゴリ8体外診断用医療機器:2023年7月21日 ・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
	1 - d - id - i 1 6 ib d 6 i - d b ii - 6 - A	アルゴンやクリプトンレーザ管のウィンドウアッセンブリを製造するために	instruments, and for category 11.	-+
	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes	アルコンやグリフトンレーサ官のヴィント・ファッセンフリを製造するにめに 用いられるシールフリット中の酸化鉛	21 July 2021 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments:	- カテゴリ1~7, 10:2021年7月21日 - 体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
32			21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control	・カテゴリ8体外診断用医療機器:2023年7月21日 ・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
	Lead in cermet-based trimmer potentiometer elements	サーメットベーストリマー電位差計の構成部品中の鉛	instruments, and for category 11. 21 July 2021 for categories 1–7 and 10, 21 July 2021 for categories 8 and 9 other than in vitro diagnostic	- ・カテゴリ1~7、10:2021年7月21日 ・体外診断用医療機器および産業用監視・制御機器を除くカテゴリ8、9:2021年7月21日
34			medical devices and industrial monitoring and control instruments, 21 July 2023 for category 8 in vitro diagnostic medical devices, 21 July 2024 for category 9 industr ial monitoring and control instruments, and for category 11.	・カテゴリ8体外診断用医療機器:2023年7月21日 ・カテゴリ9産業用監視・制御機器、カテゴリ11:2024年7月21日
	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body	ホウ酸亜鉛ガラス基板上の高電圧ダイオードのめっき層中の鉛	21 July 2021 for categories 1-7 and 10; 21 July 2021 for categories 8 and 9 other than in vitro diagnostic	・カテゴリ1~7、10:2021年7月21日 ・体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
37			medical devices and industrial monitoring and control instruments; 21 July 2023 for category 8 in vitro diagnostic medical devices; 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	- カテゴリ8体外診断用医療機器: 2023年7月21日 - カテゴリ9産業用監視・制御機器、カテゴリ11: 2024年7月21日
	Cadmium selenide in downshifting cadmium-based semiconductor nanocrystal quantum dots for use in display lighting applications (< 0.2 μ g Cd per mm2 of display screen area)	ディスプレイの照明用途で使用するダウンシフトカドミウムベースの半導体ナノクリスタル量子ドット中のセレン化カドミウム(ディスプレイスクリーンエリアmm2あたりく0.2 μ gのカドミウム)	Expires for all categories on 31 October 2019	全てのカテゴリについて2019年10月31日まで
	Lead in solders and termination finishes of electrical and electronic	電気電子構成部品のはんだ及び端子処理部分、並びに点火用モジュー	31 March 2022 for categories 1 to 7, 10 and 11:	・カテゴリ1~7、10、11:2022年3月31日
	components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems,	ル及びその他の電気電子的エンジン制御システムに用いるプリント配線 基板の仕上げ処理部分中にあって、技術的理由から携帯式の燃焼機関	21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;	・体外診断用医療機器・産業用監視・制御機器以外のカテゴリ8、9:2021年7月21日
	which for technical reasons must be mounted directly on or in the	(欧州議会及び理事会指令97/68/ECのクラスSH:1,SH:2, SH:3)のクランク		・カテゴリ8体外診断用医療機器:2023年7月21日
	crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council	ケースまたはシリンダー上に直接、またはそれらの内部に取り付けられ ねばならないものに含まれる鉛	21 July 2024 for category 9 industrial monitoring and control instruments.	- カテゴリ9産業用監視・制御機器: 2024年7月21日
			Applies to category 11, excluding applications covered by entry 6(c)	・No.6©でカバーされる用途を除くカテゴリ11:2024年7月21日
	combustion engines applied in non-road professional use equipment: —with engine total displacement ≧15 litres;	ガス燃料のベアリングとブッシュ中の鉛。 -エンジンの総排気量が15L以上 または	of this Annex. Expires on 21 July 2024.'	
		ーエンジンの総排気量が15L未満で、そのエンジンが開始から全負荷の		
		間の時間が10秒以下である用途に動作するよう設計されているか、もしく は鉱業、建設、農業のような過酷で汚い屋外の環境で通常のメンテナン		
		スが行われていること。		
	as mining, construction, and agriculture applications.			
	Bis(2-ethylhexyl) phthalate in rubber components in engine systems,	人が使用することを想定していない、もしくは可塑性物資が人の粘膜に 接触しない、或いは人の皮膚に長期にわたり接触しないことを規定した	Applies to category 11 and expires on 21 July 2024.	- カテゴリ11:2024年7月21日
	use and provided that no plasticised material comes into contact with	機器用に設計されたエンジンシステムの、ゴム部品中のフタル酸ビス(2		
	human mucous membranes or into prolonged contact with human skin and the concentration value of bis(2-ethylhexyl) phthalate does not	-エチルヘキシル) フタル酸ビス(2-エチルヘキシル)の濃度は以下の量を超えないこと。		
	exceed:	ファル酸に入(2-エテル・インル)の振及は以下の重を超えないこと。		
	(a)30 % by weight of the rubber for	(a)以下の(i)~(iii)のゴム中の30重量%		
43	(i)gasket coatings; (ii)solid-rubber gaskets; or	(i)ガスケットコーティング (ii)固形ゴムガスケット		
	(iii)rubber components included in assemblies of at least three	(iii)作業を行うために電気的、機械的、油圧式エネルギーを使用する少		
	components using electrical, mechanical or hydraulic energy to do work, and attached to the engine.	なくとも3個の部品の組み合わせを含み、エンジンに取り付けるゴム部品		
	(b)10 % by weight of the rubber for rubber-containing components not referred to in point (a).			
	For the purposes of this entry, "prolonged contact with human skin" means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.	"人の皮膚に長期にわたる接触"とは、10分以上の継続的な接触もしくは 1日あたり30分以上の接触のこと		
	Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of	位置が固定されている機器(専門家向けの機器ではあるが、専門ではないユーザーも使用するもの)に取り付けられ、欧州議会・理事会規則	Applies to category 11 and expires on 21 July 2024.	-カテゴリ11:2024年7月21日
44	the European Parliament and of the Council (*1), installed in equipment used at fixed positions while in operation which is designed for	(EU)2016/1628に適合している内燃機関のセンサー、アクチュエーター、 およびエンジン制御ユニットのはんだ中の鉛。		
	professionals, but also used by non-professional users			

	List of exempted uses https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELE:		
Equip	Exemption ment utilising or detecting ionising radiation	Exemption (Japanese)	expiration
	放射線の利用または検出に使用される機器 Lead, cadmium and mercury in detectors for ionising radiation.	電離放射線用検出器に含まれる鉛、カドミウムおよび水銀	
2	Lead bearings in X-ray tubes.	X線管中の鉛ペアリング 電磁波増幅デバイスに含まれる鉛:マイクロチャンネルプレートおよび	
3	plate and capillary plate.	キャピラリープレート	
4	Lead in glass frit of X-ray tubes and image intensifiers and lead in glass frit binder for assembly of gas lasers and for vacuum tubes that convert	X線管および蛍光増倍管用のガラスフリット中に含まれる鉛、並びにガスレーザの組立て用および電磁放射線を電子に変換する真空管用の	
5	electromagnetic radiation into electrons. Lead in shielding for ionising radiation.	ガラスフリットバインダに含まれる鉛 電離放射線用のシールドに含まれる鉛	
6	Lead in X-ray test objects.	X線試験体に含まれる鉛	
	Lead stearate X-ray diffraction crystals. Radioactive cadmium isotope source for portable X-ray fluorescence	X線回折結晶に含まれるステアリン酸鉛	
٥	spectrometers. ors. detectors and electrodes	携帯型蛍光X線分析装置用の放射性カドミウム同位体源	
	ナー、検出器および電極		
1a	Lead and cadmium in ion selective electrodes including glass of pH electrodes.	pH電極のガラスを含むイオン選択電極に含まれる鉛およびカドミウム	
1b 1c	Lead anodes in electrochemical oxygen sensors. Lead, cadmium and mercury in infra-red light detectors.	電気化学的酸素センサーの陽電極に含まれる鉛 赤外線検出器に含まれる鉛、カドミウムおよび水銀	
1d	Mercury in reference electrodes: low chloride mercury chloride, mercury	基準電極に含まれる水銀:低塩素の塩化水銀、硫酸水銀および酸化水	
Othe		銀	
その1 9	他 Cadmium in helium-cadmium lasers.	ヘリウムーカドミウムレーザに含まれるカドミウム	
10	Lead and cadmium in atomic absorption spectroscopy lamps.	原子吸光分光分析用ランプに含まれる鉛およびカドミウム MRI(磁気共鳴画像診断装置)中の超伝導体および熱伝導体用の合金	
11	Lead in alloys as a superconductor and thermal conductor in MRI.	に含まれる鉛	
	Lead and cadmium in metallic bonds creating superconducting magnetic circuits in MRI, SQUID, NMR (Nuclear Magnetic Resonance) or FTMS	MRI(磁気共鳴画像診断装置)、SQUID(超伝導量子干渉計)、NMR (Nuclear Magnetic Resonance)(磁気共鳴)または FTMS(Fourier	
12	(Fourier Transform Mass Spectrometer) detectors. Expires on 30 June	Transform Mass Spectrometer) (フーリエ変換質量分析計) 検出器の超	Expires on 30 June 2021.
L	2021.	伝導磁気回路を構成している金属結合中に含まれる鉛およびカドミウム。	
	Lead in counterweights. Lead in single crystal piezoelectric materials for ultrasonic transducers.	カウンタウェイト中の鉛 超音波トランスデューサ用の単結晶圧電結晶材料に含まれる鉛	
	Lead in solders for bonding to ultrasonic transducers.	超音波トランスデューサの接合用はんだに含まれる鉛 超高精度キャパシタンスおよび損失測定ブリッジに含まれる水銀および	
16	Mercury in very high accuracy capacitance and loss measurement bridges and in high frequency RF switches and relays in monitoring and	監視および制御機器に使われる高周波RFスイッチおよびリレーに含ま	
17	control instruments not exceeding 20 mg of mercury per switch or relay. Lead in solders in portable emergency defibrillators.	れる水銀であって、1スイッチまたは1リレーあたり20mgを超えないもの 携帯型緊急用除細動器に使われるはんだに含まれる鉛	
18		8-14 #m帯を検出する高性能赤外線画像モジュールに使われるはんだ に含まれる鉛	
	Lead in Liquid crystal on silicon (LCoS) displays.	LCoS(反射型液晶表示パネル)ディスプレイに含まれる鉛	
20	Cadmium in X-ray measurement filters. Cadmium in phosphor coatings in image intensifiers for X-ray images	X線測定フィルタに含まれるカドミウム (1) X線画像用イメージインテンシファイア中の蛍光コーティング中に含	
21	until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020.	まれるカドミウム (2) 2020年1月1日以前にEU市場に上市されたX線システム用スペア	(無効)
		パーツ中に含まれるカドミウム	
22	Lead acetate marker for use in stereotactic head frames for use with CT and MRI and in positioning systems for gamma beam and particle	CTおよびMRI用の定位ヘッドフレーム、およびガンマ線および粒子線治	Expires on 30 June 2021.
	therapy equipment. Expires on 30 June 2021. Lead as an alloying element for bearings and wear surfaces in medical	療装置のための位置決め装置に用いられる酢酸鉛マーカー 電離放射線にさらされる医療機器のベアリングおよび摩耗表面のため	
23	aguinment avacced to ignicing rediction. Evalues on 20, lune 2021	の合金要素としての鉛	Expires on 30 June 2021.
24	Lead enabling vacuum tight connections between aluminium and steel in X-ray image intensifiers. Expires on 31 December 2019.	X線イメージインテンシファイア中のアルミニウムと鉄の間の真空気密接 続を可能にする鉛	(無効)
	Lead in the surface coatings of pin connector systems requiring nonmagnetic connectors which are used durably at a temperature below	通常動作および貯蔵状態でマイナス20℃以下の温度で永続的に使用	
25	? 20 °C under normal operating and storage conditions. Expires on 30	されている非磁性コネクタを必要とするピンコネクタシステムの表面コー ティングに含まれる鉛	Expires on 30 June 2021.
	June 2021. Lead in the following applications that are used durably at a temperature	通常動作および貯蔵状態でマイナス20℃未満の温度で永続的に使用	
	below - 20° C under normal operating and storage conditions:	される以下に含まれている鉛:	
	(a) solders on printed circuit boards; (b) termination coatings of electrical and electronic components and	(a) プリント配線基板上のはんだ、 (b) 電気・電子部品の末端のコーティングおよびプリント配線基板のコー	
26	coatings of printed circuit boards;	ティング、	Expires on 30 June 2021.
	(c) solders for connecting wires and cables; (d) solders connecting transducers and sensors.	(c) ワイヤおよびケーブルを接続するためのはんだ、 (d) トランスデューサおよびセンサを接続するはんだ	
	Lead in solders of electrical connections to temperature measurement sensors in devices which are designed to be used periodically at	マイナス150°C未満の温度で定期的に使われるように設計されている装	
	temperatures below - 150 ° C.	置の温度測定センサへの電気接続に含まれる鉛。	
	These exemptions expire on 30 June 2021. Lead in	(a) この範囲内で使用されるように設計された患者の監視装置を含む医	
		療用磁気共鳴画像装置(MRI)中の磁石のアイソセンタ周囲の半径1m 圏内の磁場、または	
	- solders,	(b) 粒子線治療のために適用されるサイクロトロン磁石、ビーム輸送お	
	- termination coatings of electrical and electronic components and	よびビームの方向制御のための磁石から距離1mの範囲内の磁場 の中で使用されている以下に含まれている鉛	
	printed circuit boards,	の中で使用されている以下に含まれている鉛ーはんだ、	
27	which are used in	−電気・電子部品およびプリント配線基板の末端のコーティング、	Expires on 30 June 2021.
	(a) magnetic fields within the sphere of 1 m radius around the isocentre of the magnet in medical magnetic resonance imaging equipment,	-電線、シールドおよび封入されたコネクタの接続部分	
	including patient monitors designed to be used within this sphere, or (b) magnetic fields within 1 m distance from the external surfaces of		
	cyclotron magnets, magnets for beam transport and beam direction		
			1
	control applied for particle therapy. Expires on 30 June 2020.		
28		テルル化力ドミウムおよびテルル化亜鉛カドミウムのデジタルアレイ検	(無効)
28	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017.	出器をプリント配線基板上に搭載させるためのはんだに含まれる鉛	(無効)
	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-	出器をプリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー	
	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryocooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30	出器をプリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ヘッド及び/またはクライオクーラーで冷却された低温プロー 及び/またはクライターラーで冷却された等電位ポンディングシステ	(無効) Expires on 30 June 2021.
	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryocooler cold heads and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021.	出器をプリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ヘッド及び/またはクライオクーラーで冷却された低温プロー 及び/またはクライオクーラーで冷却された等電位ポジィングシステ ム中で使用される超伝導体または熱伝導体としての合金中の鉛	
	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryocooler cold heads and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021. Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts	出器をブリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクーラーの冷却ヘッド及び/またはクライオクーラーで冷却された低温プロープ及び/またはクライオクーラーで冷却された等電位ボンディングシステム中で使用される超伝導体または熱伝導体としての合金中の鉛(1)X線イメージインテンシファイアにおいて電子銃を作るために用いられるアルカリディスペンサに含まれる大価クロム	
29	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryocooler cold heads and/or in cryo-cooled cold probes and/or in cryocooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021. Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020.	出器をブリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ヘッド及び/またはクライオクーラーで冷却された低温ブロー ブ及び/またはクライオクーラーで冷却された等電位ボンディングシステ ム中で使用される超伝導体または熱伝導体としての合金中の鉛 (1) X線イメージインテンシファイアにおいて電子銃を作るために用いら	Expires on 30 June 2021.
29	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryocooler cold heads and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021. Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts	出器をブリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ペッド及び/またはカライオクーラーで冷却された低温ブロー ブ及び/またはカライオクーラーで冷却された等電位ボンディングシステ ム中で使用される超伝導体または熱伝導体としての合金中の鉛 (1) X線イメージインテンシファイアにおいて電子銃を作るために用いられるアルカリディスペンサに含まれる大価クロム (2) 2020年1月1日以前にEU市場に上市されるX線システム用スペア バーツに含まれる大価クロム 監視可能な閉ループのBtoB返却システムからの再利用が行われ、さら	Expires on 30 June 2021.
29	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021. Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020. Lead, cadmium, hexavalent chromium, and polybrominated diphenyl ethers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical	出器をプリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ペッド及び/またはクライオクーラーで冷却された低温ブロー フ及び/またはクライオクーラーで冷却された等電位ボンディングシステ ム中で使用される超伝導体または熟伝導体としての合金中の船 (1) X線イメージインテンシファイアにおいて電子銃を作るために用いられるアルカリディスペンサに含まれる大価クロム (2) 2020年1月1日以前にと旧市場に上市されるX線システム用スペアパーツに含まれる大価クロム 監視可能な閉ループのBtoB返却システムからの再利用が行われ、さらに各々の部品の再利用が消ちれ、さらに各々の部品の再利用が消費者に通知される場合に限り、体外診断 肝医療機器および電子顕微鏡とそのアクセサツと含さい変機機器の修理	Expires on 30 June 2021.
29	Expires on 30 June 2020. Lead in solders for mounting cadmium telluride and cadmium zinc telluride digital array detectors to printed circuit boards. Expires on 31 December 2017. Lead in alloys, as a superconductor or thermal conductor, used in cryo-cooler cold heads and/or in cryo-cooled cold probes and/or in cryo-cooled equipotential bonding systems, in medical devices (category 8) and/or in industrial monitoring and control instruments. Expires on 30 June 2021. Hexavalent chromium in alkali dispensers used to create photocathodes in X-ray image intensifiers until 31 December 2019 and in spare parts for X-ray systems placed on the EU market before 1 January 2020. Lead, cadmium, hexavalent chromium, and polybrominated diphenyl stehers (PBDE) in spare parts recovered from and used for the repair or refurbishment of medical devices, including in vitro diagnostic medical devices, or electron microscopes and their accessories, provided that the reuse takes place in auditable closed-loop business-to-business	出籍をプリント配線基板上に搭載させるためのはんだに含まれる鉛 医療機器(カテゴリ8)及び/または産業用監視制御機器のクライオクー ラーの冷却ペッド及び/またはクライオクーラーで冷却された低温プロー 及び/またはクライオクーラーで治却された等電位ポンディングシステ ム中で使用される超伝導体または熱伝導体としての合金中の鉛 (1) X線イメージインテンシファイアにおいて電子銃を作るために用いられるアルカリディスペンサに含まれる大価クロム (2) 2020年1月1日以前にEU市場に上市されるX線システム用スペア パーツに含まれる大価クロム 監視可能な開ループのBtoBi返却システムからの再利用が行われ、さら に各々の部品の再利用が消費者に通知される場合に限り、体外診断 用医療機器および電子顕微鏡とそのアクセサリを含む医療機器の修理 または改良のために回収されて、使われるスペアパーツに含まれる鉛 または改良のために回収されて、使われるスペアパーツに含まれる鉛 または改良のために回収されて、使われるスペアパーツに含まれる鉛	Expires on 30 June 2021.
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	Lead in solders on printed circuit boards of detectors and data acquisition units for Positron Emission Tomographs which are integrated	 核磁気共鳴画像(MRI)機器に組込まれるポジトロン断層法(PET)用検出	
32	into Magnetic Resonance Imaging equipment. Expires on 31 December 2019.	器およびデータ収集装置のブリント配線基板のはんだに含まれる鉛	(無効)
33	Lead in solders on populated printed circuit boards used in Directive 93/42/EEC class IIa and IIb mobile medical devices other than portable emergency defibrillators. Expires on 30 June 2016 for class IIa and on 31 December 2020 for class IIb.	携帯型緊急用除細動器を除く、指令93/42/EEC(医療機器指令)クラス IIa および IIbの携帯型医療機器に使用される部品実装済みプリント配 緑基板上のはんだに含まれる鉛	(無効)
34	Lead as an activator in the fluorescent powder of discharge lamps when used for extracorporeal photopheresis lamps containing BSP (BaSi 2 O 5 :Pb) phosphors. Expires on 22 July 2021.	BSP(BaSi2O5: Pb)蛍光体を含む体外循環光療法ランプに使用される場合の放電ランプの蛍光パウダー中の活性剤としての鉛	Expires on 22 July 2021.
35	Mercury in cold cathode fluorescent lamps for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017. Expires on 21 July 2024.	2017年7月22日より前に上市された産業用の監視および制御機器で使用されるパックライティング液晶ディスプレイ用の冷陰極蛍光ランプの中の水銀であって、1ランプにつき5mgを超えないもの	Expires on 21 July 2024.
	Lead used in other than C-press compliant pin connector systems for	産業用の監視および制御機器用のC-プレスに準拠したピン・コネクタ・	
36	industrial monitoring and control instruments. Expires on 31 December 2020. May be used after that date in spare parts for industrial monitoring and control instruments placed on the market before 1 January 2021.	システム以外の中で使われる鉛	(無効)
	Lead in platinized platinum electrodes used for conductivity	伝導率測定のために使用される以下の条件の少なくとも1つが適用され	
	measurements where at least one of the following conditions applies: (a) wide-range measurements with a conductivity range covering more than 1 order of magnitude (e.g. range between 0,1 mS/m and 5 mS/m) in laboratory applications for unknown concentrations;	る白金めっき白金電極中の鉛: (a) 試験所の未知の濃度測定用アプリケーションとして1桁以上(例えば 0.1mS/m~5mS/mレンジ)をカバーする伝導率が広範囲の測定用;	
37	(b) measurements of solutions where an accuracy of +/? 1 % of the sample range and where high corrosion resistance of the electrode are required for any of the following:	(b) プラスマイナス1%の精度と電極の高耐蝕性が必要な以下の溶液の 測定用:	Expires on 31 December 2025.
	(i) solutions with an acidity < pH 1; (ii) solutions with an akialinity > pH 13; (iii) corrosive solutions containing halogen gas;	(i) pHI未満の酸性溶液 (ii) pHI3超のアルカリ性溶液 (iii) ハロゲンガスを含む腐食性の溶液	
	(c) measurements of conductivities above 100 mS/m that must be performed with portable instruments. Expires on 31 December 2025.	(III) / ロインガスを占む偏後ほの冷水 (c) 携帯型計器で測定しなくてはならない100mS/m以上の伝導率測定 用	
	Lead in solder in one interface of large area stacked die elements with	CTとX線装置のX線検出器で使用されるインターフェースにつき500以	
38	more than 500 interconnects per interface which are used in X-ray detectors of computed tomography and X-ray systems.	上を接続する広範囲の積層型素子の1つのインターフェースに含まれる はんだの鉛	(無効)
30	Expires on 31 December 2019. May be used after that date in spare parts for CT and X-ray systems placed on the market before 1 January 2020.		(Allery)
	Lead in micro-channel plates (MCPs) used in equipment where at least one of the following properties is present:	以下の特性の少なくとも1つが存在する装置で使われるマイクロチャン ネルプレート(MCPs)中の鉛:	
	(a) a compact size of the detector for electrons or ions, where the space for the detector is limited to a maximum of 3 mm/MCP (detector thickness + space for installation of the MCP), a maximum of 6 mm in total, and an alternative design yielding more space for the detector is scientifically and technically impracticable;	(a) 最高3mm/MCP(検出器の厚さ+MCP設置スペース)、全体で最高 6mmを限度としたスペースの小さいサイズの電子またはイオン検出器な らびにより大きいスペースを必要とする代替設計でないと科学技術的に 代替不可能な検出器	(a) Expires on 21 July 2021.
	(b) a two-dimensional spatial resolution for detecting electrons or ions, where at least one of the following applies:	(b) 以下の少なくとも1つが適用される電子またはイオン検出用の二次元の空間分解能:	(b) Expires on 21 July 2023.
39	(i) a response time shorter than 25 ns; (ii) a sample detection area larger than 149 mm2; (iii) a multiplication factor larger than 1,3 × 103. (c) a response time shorter than 5 ns for detecting electrons or ions;	(i) 25nsより短い応答時間(i) 149mm2より大きな検出領域(iii) 1.3×103より大きい増倍率(ic) 電子またはイオン検出用の5nsより短い応答時間;	(c) Expires on 21 July 2024.
	(d) a sample detection area larger than 314 mm2 for detecting electrons	(d) 電子またはイオン検出用の314mm2より大きな検出領域	
	or ions; (e) a multiplication factor larger than 4,0 × 107.	(e)4.0×107より大きい増倍率	
	The exemption expires on the following dates: (a) 21 July 2021 for medical devices and monitoring and control		
	instruments; (b) 21 July 2023 for in-vitro diagnostic medical devices;		
	(c) 21 July 2024 for industrial monitoring and control instruments. Lead in dielectric ceramic in capacitors for a rated voltage of less than	産業用の監視および制御機器用の定格電圧AC125VまたはDC250Vよ	
40	125 V AC or 250 V DC for industrial monitoring and control instruments. Expires on 31 December 2020. May be used after that date in spare parts for industrial monitoring and control instruments placed on the	以小さいコンデンサの中の誘電セラミックの鉛	(無効)
	market before 1 January 2021. Lead as a thermal stabiliser in polyvinyl chloride (PVC) used as base	血液、他の体液、体内ガス分析のために体外診断用医療機器で使わ	
41	material in amperometric, potentiometric and conductometric electrochemical sensors which are used in in-vitro diagnostic medical devices for the analysis of blood and other body fluids and body gases. Expires on 31 March 2022.	皿液、他の体液、体内ハスが析のにめ、に体外診断用医療機器で映り、 れる電流、電位差、導電率の電気化学的センサ中の主成分素材として 使われるポリ塩化ビニル(PVC)中のサーマルスタビライザとしての鉛	Expires on 31 March 2022.
42	Mercury in electric rotating connectors used in intravascular ultrasound imaging systems capable of high operating frequency (> 50 MHz) modes of operation.	高周波(>50MHz)モードで運転可能な血管内超音波画像処理システムで使われる電気回転コネクタ中の水銀	Expires on 30 June 2019.
43	Expires on 30 June 2019. Cadmium anodes in Hersch cells for oxygen sensors used in industrial monitoring and control instruments, where sensitivity below 10 ppm is required.	10ppm未満の感度が要求される産業用監視・制御機器で使用される酸素センサのためのエルシュセル(ハーシュセル)中のカドミウムアノード	Expires on 15 July 2023.
44	Expires on 15 July 2023. Cadmium in radiation tolerant video camera tubes designed for cameras with a centre resolution greater than 450 TV lines which are used in environments with ionising radiation exposure exceeding 100 Gy/hour and a total dose in excess of 100kGy. Applies to category 9. Expires on 31 March 2027.	100Gy/hを超える電離放射線の曝露があり、かつ総量が100kGyを超える環境で使用される中央解像度が450TV line(訳注:アナログカメラにおける水平解像度。画面を左右に機断する直線の本数を解像度の基準とする。)より高いカメラ用に設計された耐放射線ビデオカメラ管の中のカドミウムカテゴ/9:2027年3月31日に終了。	Expires on 31 March 2027.
	, applied to detegory v. Expired on or March 2027.	1 - 2 - 20 / - 10 / 10 / 10 / 10 / 10 / 10 / 10 /	

Annex A 33/33 (5th edition : 202503)