



Management Criteria for Regulated Chemicals

Version 5.2, August 2026

Aratas Corporation

1. Purpose

This document specifies the scope covered by “*Certificate of Non-inclusion for Prohibited Substances in Products*” (hereinafter, “Certificate of Non-inclusion”) issued by Device and Module Solutions Company of Aratas (hereinafter, “Aratas”).

2. Scope

This document applies to Aratas products (products and parts (including accessories and individual packaging materials)) certified and covered by Certificate of Non-inclusion issued by Aratas.

This document is intended for products at the time of shipment, excluding products processed or contaminated after the shipment or during distribution.

3. Restrictions

3.1. Regulated Substances

- (1) Attachment 2, “*List of Regulated Chemical Substances*,” lists prohibited chemicals rated as Rank-A
- (2) Attachment 3, “*List of Exempted Applications*,” lists exempted uses of the prohibited chemicals
- (3) For the reference substances of Item (1) substance groups, refer to IEC62474 RSL. It can be downloaded from:
<http://std.iec.ch/iec62474/iec62474.nsf>

3.2. Designation of Regulated Chemicals

Based on “IEC62474 for electrical and electronic components” and etc, regulated chemical substances are designated and rated on chemSHERPA.

Rank A (prohibited substances/applications)

Substances whose content is already banned by laws and regulations, or substances/applications designated as banned to use by Aratas originally.

Relative laws and regulations are listed in Attachment 2, “*List of Regulated Chemical Substances*.”

Attachment 1. Terms and Definitions

1. Regulated chemicals /Regulated chemical substances

Chemical substances whose use for or in products is prohibited or restricted, or whose contents shall be identified by laws and regulations in countries, or chemical substances whose contents and usage are identified and restricted by Aratas voluntarily due to their hazardous properties.

2. Contain a chemical or use of a chemical

When the content of a chemical substance in a Part or material is more than the level specified by the content determination criterion, it is determined that the chemical is contained in the Part or material. The decision is made also based on whether or not the chemical is intentionally used, whether or not its concentration exceeds threshold values, or whether or not its use is restricted.

Refer to Attachment 2, "*List of Restricted Chemical Substances*" and Attachment 3, "*List of Exempted Applications*" for details of the determination process.

3. Non-inclusion

Non-inclusion of a chemical substance means that the content of the chemical substance is less than the threshold value specified by the content determination criteria, including cases where the chemical is not intentionally used, where its concentration is less than or equivalent to the threshold concentration values, or where the chemicals is not intended for restricted uses.

Even if a restricted chemical is used in a production process for a product, "non-inclusion" of the chemical can be determined unless the chemical remains in the product.

(For example, when a volatile solvent is used to clean a component, the solvent will not remain with or in the component, and therefore you can determine "non-inclusion" of the chemical substance.)

4. Content determination criteria

The content determination criteria determine whether the content of chemical substances exceeds respectively regulated levels or not. The criteria specify restricted uses and applicable threshold values, based on regulatory requirements, international standards, and other relative regulations.

5. Intentional use

Intentional use of chemicals refers to intentionally adding, filling or applying restricted chemicals for the purpose of continuously sustaining functionality or quality of products, parts or materials.

6. homogeneous material

Homogeneous material means a material of "uniform composition throughout" that cannot be mechanically disjointed or separated into different materials (by mechanical actions such as unscrewing, cutting, crushing, grinding and abrasive processes).

Examples of homogeneous materials include different types of plastics, ceramics, glasses, metals, plating, paper, unpopulated boards, resins, and coating.

7. Articles

items given specific shape, appearance or design during its manufacturing to serve its function in its end application rather than the functions of its chemical composition.

For products comprised of one or more articles, each component shall be considered as an article (based on the decision of the European Court of Justice in September 2015).

8. IEC 62474

IEC 62472, standing for the International Electrotechnical Commission (IEC) 62474 Material Declaration Standard (for the electrical and electronics industry), specifies procedures, formats and other details required for material declarations of products supplied in the electrical and electronics industry. Substances and substance groups satisfying this standard are uploaded to the IEC 62474 database.

9. chemSHERPA

This is a communication scheme used for sharing information of chemicals contained in products throughout the supply chain. The scheme was developed by the Ministry of Economy, Trade and Industry (METI) of Japan, and is maintained and managed by the CMP Consortium.

Attachment 2. List of Regulated Chemical Substances

The cautions about "Note" used in the list are as follows.

Cautions :

Note 1 The ID is defined in IEC62474DSL. IEC62474DSL is a list of declarable substance groups and declarable substances specified by IEC62474. It can be downloaded from:

<http://std.iec.ch/iec62474/iec62474.nsf>

Note 2 The "Reporting Level" means the threshold level for concentrations which are calculated by dividing the content of the substance by the weight of the product, homogeneous material, or constituent part containing the substance (denominator for calculating the content rate).

The terms, Part, and Material, indicated in the List mean the following, respectively.

Product = Aratas Part = constituent part, Articles , Material = Homogeneous material

Note 3 Number deleted.

Note 4 The substance / substance group has exempted applications. Refer to Attachment 3.

Note 5 As the threshold level is indicated as the content rate of the subject element, the calculation of content rates is based on the subject element's conversion factor.

Note 6 Although not included in "Compliance" of chemSHERPA, Aratas has added the requirement, including applications, threshold values and exempted applications, based on laws and regulations.

Note 7 Heavy metals (cadmium, hexavalent chromium, lead, mercury) in packaging materials, Polyvinyl chloride (PVC), Tris(2-chloro-1-methylethyl) phosphate (TCPP), Tris(1,3-dichloro-2-propyl) phosphate (TDCPP), Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings (MOAH), Mineral oil aromatic hydrocarbons comprising from 3 to 7 aromatic rings (MOAH), Hydrocarbons saturated with mineral oil containing 16 to 35 carbon atoms (MOSH), LC-PFCA and its salts, and LC-PFCA are substances that Aratas specifically self-added.

Although these substances are not included in chemSHERPA's substance list for compliance, the content of these substances shall be judged.

Note 8 The statement, "Prolonged skin contact is evident," means that the subject part or material in contact with the skin will fail the EN 1811 test.

Examples includes the following:

Earrings, necklaces, bracelets, chains, anklets (ankle accessories), rings, watches (watch case, strap, buckle), rivets (buttons, fasteners, zippers), and other metal items to be attached to clothing.

Note 9 The following nine product types are subject to the reporting requirement. Report only when applicable.

[1] Cathode-ray tube equipment, [2] Cathode-ray tube, [3] Computer monitor with cathode-ray tube, [4] Cathode-ray tube television, [5] Laptop computer with liquid crystal display, [6] Desktop liquid crystal display, [7] Liquid crystal display screen television, [8] Portable DVD player with liquid crystal display screen, [9] Plasma television

Note 10 Packaging materials refer to materials used for transportation, buffering, and storage of Aratas products. All materials such as paper and plastic are eligible. Specifically, product exterior boxes, bags, cushioning materials, and labels attached to them are applicable.

Note 11 For examples of the substance group's substances, refer to IEC62474 RSL. IEC62474 RSL is a list of reference substances specified by IEC62474. It can be downloaded from:

<http://std.iec.ch/iec62474/iec62474.nsf>

Note 12 Tris(2-chloroethyl) phosphate (TCEP) and Medium Chain Chlorinated Paraffins (MCCP) are substance that Aratas specifically self-added.

The content of this substance shall be judged based on Aratas proprietary content Judgement criteria, rather than on chemSHERPA compliance.

Note 13 This applies to indoor electrical and electronic products intended for consumer use.

A: Prohibited substances/applications (61 substances)

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
1	-	Asbestos	00003	All	Intentionally added [ReportingLevel:Product]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Toxic Substances Control Act (TSCA); [Switzerland] Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81
2	-	Azocolourants and azodyes which form certain aromatic amines	00004	Textiles and Leather	Intentionally added [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
3	-	Cadmium/Cadmium compounds Note 4	00010	All, except batteries	0.01 wt% (100 ppm) of total Cd in homogenous material [ReportingLevel:Material] Note 5	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00011 Note 6	(1) Alkali /Manganese / nickel metal hydride batteries excluding button batteries	0.001% (10 ppm) by weight in battery (10ppm) [ReportingLevel:Part] Note 5	[Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation)
			00011 Note 6	All batteries, except above (1)	0.002% (20 ppm) by weight in battery (20ppm) [ReportingLevel:Part] Note 5	[EU] Battery Directive 2006/66/EC
			00166	All video display devices, with a screen size of greater than four inches except the following 1. Products for industrial applications 2. Products for medical applications 3. Products for commercial applications 4. EU RoHS-compliant products Note 9	0.01 wt% (100 ppm) of total Cd in homogenous material [ReportingLevel:Material] Note 5	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
4	-	Chromium (VI) Compounds	00012	All	0.1 wt% (1000 ppm) of total Cr+6 in homogenous material [ReportingLevel:Material] Note 5	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
4	-	Chromium (VI) Compounds	00167	All video display devices, with a screen size of greater than four inches except the following 1. Products for industrial applications 2. Products for medical applications 3. Products for commercial applications 4. EU RoHS-compliant products Note 9	0.1 wt% (1,000 ppm) of total Cr+6 in homogenous material [ReportingLevel:Material] Note 5	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
5	-	Dibutyltin (DBT) compounds	00014	All	0.1 wt% (1,000 ppm) of tin in the part [ReportingLevel:Part] Note 5	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
6	-	Diocetyl tin (DOT) compounds	00015	(a) textile and leather articles intended to come into contact with the skin, (b) childcare articles, (c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 wt% (1,000 ppm) of tin in the part [ReportingLevel:Part] Note 5	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
7	-	Hexabromocyclododecane (HBCDD)	00020	All	Intentionally added or 0.01 wt% (100 ppm) in article [ReportingLevel:Article]	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004
8	-	Lead/Lead Compounds Note 4	00021	All, except batteries	0.1 wt% (1,000 ppm) of total Pb in homogenous material [ReportingLevel:Material] Note 5	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00022	Consumer products designed or intended primarily for children 12 years of age or younger	0.01 wt% (100 ppm) [ReportingLevel:Product] Note 5	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
			00023	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 wt% (90 ppm) in surface coating material [ReportingLevel:Material] Note 5	[USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
			00024	Cables/cords with thermoset or thermoplastic coatings	0.03 wt% (300 ppm) in surface coating material [ReportingLevel:Material] Note 5	[USA California] Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
			00025 Note 6	Alkali batteries (except button batteries)	0.004 wt% (40 ppm) in battery [ReportingLevel:Part] Note 5	[China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
8		Lead/Lead Compounds Note 4	00025 Note 6	Alkali batteries (Button batteries) or Manganese batteries	0.1wt% (1,000 ppm) in battery [ReportingLevel:Part] Note 5	Brazil Conama401/08
			- Note 6	Portable batteries (except portable zinc-air button batteries)	0.01 mass% of battery (100ppm) [ReportingLevel:Product Part] Note 5	[EU] Battery Regulation (EU) 2023/1542
			00168	All video display devices, with a screen size of greater than four inches except the following 1. Products for industrial applications 2. Products for medical applications 3. Products for commercial applications 4. EU RoHS-compliant products Note 9	0.1 wt% (1,000 ppm) of total Pb in homogenous material [ReportingLevel:Material] Note 5	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
9	-	Mercury/Mercury Compounds Note 4	00029	All, except batteries	Intentionally Added or 0.1 wt% (1,000 ppm) of total Hg in homogenous material [ReportingLevel:Material] Note 5	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [Canada] Products containing Mercury Regulations SOR/2014-254
			00030	Batteries	Intentionally added or 0.0001 wt% (1 ppm) in battery [ReportingLevel:Part] Note 5	[EU] Battery Directive 2006/66/EC; [China] Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries GB 24427-2009; [Taiwan (Province of China)] Restrictions on the Manufacture, Import, and Sale of Dry Cell Batteries; [Korea (the Republic of)] Quality Management and Manufactured Product Safety Management Law (Battery Regulation); [USA New York] Environmental Conservation Law, Battery management and disposal § 27-0719
			00132	Batteries	0.0005 wt% (5 ppm) of total Hg in homogenous material [ReportingLevel:Material] Note 5	[Canada] Products containing Mercury Regulations SOR/2014-254

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
9	-	Mercury/Mercury Compounds Note 4	00169	All video display devices, with a screen size of greater than four inches except the following 1. Products for industrial applications 2. Products for medical applications 3. Products for commercial applications 4. EU RoHS-compliant products Note 9	0.1 wt% (1,000 ppm) of total Hg in homogenous material [ReportingLevel:Material] Note 5	[USA California] Electronic Waste Recycling Act (California RoHS) SB 20, amended by SB 50 and AB 575
10	-	Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)	00032	All	Intentionally Added [ReportingLevel:Product]	[EU] Regulation on substances that deplete the ozone layer (EC) No. 1005/2009; [Japan] Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures; [USA] Clean Air Act; (Treaty) Montreal Protocol on Substances that Deplete the Ozone Layer
11	-	Perfluorooctane sulfonates (PFOS) Note 4	00124	Textiles or other coated materials.	Intentionally added or 1 microgram/m2 in coated material [ReportingLevel:Material]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
			00125	All except textiles or other coated materials.	Intentionally added or 0.1 wt% (1,000 ppm) in the part (as the sum of PFOS) [ReportingLevel:Material]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Canada] Prohibition of Certain Toxic Substances Regulations SOR/2012-285 and its amendment; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
12	-	Phthalates, Selected Group 1 (DEHP, DBP, BBP, DIBP)	00036	Toys, childcare products, or all products except for the following: - Products to which RoHS Directive is applied, and- Products to which Medical Device Regulation (MDR) is applied- Articles without plasticized materials that come in contact with human oral mucous membrane or with skin for a long period whose use is limited to industrial	0.1 wt% (1,000 ppm) as the sum of the phthalate concentrations in plasticized material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314
13	-	Phthalates, Selected Group 2 (DIDP, DINP, DNOP)	00037	Children's toy or child care article that can be placed in a child's mouth	0.1 wt% (1,000 ppm) as the sum of the phthalate concentrations in plasticized material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [USA] Consumer Product Safety Improvement Act of 2008 PUBLIC LAW 110-314

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
14	-	Polybrominated biphenyls (PBB)	00044	All	0.1 wt% (1,000 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources
15	-	Polybrominated diphenyl ethers (PBDE) Note 4	00045	All	Intentionally added or 0.001wt% (10 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments; [China] Law Measures for Restriction of the Use of Hazardous Substances in Electrical Appliances and Electronic Products; [Japan] Law for the Promotion of Effective Utilization of Resources; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. ; [EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004
16	-	Polychlorinated Biphenyls (PCBs) and specific substitutes	00046	All	Intentionally added [ReportingLevel:Product]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [USA] Toxic Substances Control Act (TSCA); [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
17	-	Polychlorinated Terphenyls (PCTs)	00047	All	0.005 wt% (50ppm) in material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
18	-	Polychlorinated naphthalenes	00048	All	Intentionally added [ReportingLevel:Product]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
19	-	Radioactive substances	00049	All	Intentionally added [ReportingLevel:Product]	[USA] Nuclear Regulatory Commission Regulations Title 10 CFR Part 20; [Japan] Law for the Regulation of Nuclear Source Material, Nuclear Fuel Material, and Reactors; [Japan] Law Concerning Prevention from Radiation Hazards due to Radio-Isotopes, etc.; [EU] Directive 2013/59/Euratom
20	-	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	00052	All	Intentionally added or 0.1 wt% (1,000 ppm) in article [ReportingLevel:Article]	[EU] Persistent Organic Pollutants (POPs) Regulation (EC) No.850/2004; [Norway] Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922; [Switzerland] Act of Reduction of Risks in Treatment of Specified Hazardous Substances, Preparations, and Articles in Switzerland (ChemRRV) Swiss Ordinance 814.81
21	-	Tri-substituted organostannic compounds	00055	All	Intentionally added or 0.1 wt% (1,000 ppm) of tin in the part [ReportingLevel:Part] Note 5	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Norway] Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Consumer Product Regulations) FOR-2004-06-01-922

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
22	-	Nickel/Nickel Compounds	00031 Note 6	when prolonged skin contact is evident Note 8	Intentionally Added [ReportingLevel:Product]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
23	-	Perfluorohexane-1-sulphonic acid and its salts	00143	All	Intentionally added or 0.0000025 mass% of PFHxS or any of its salts in article [ReportingLevel:Article]	[EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021
24	-	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.1 6,9.02,13.05,10]octadeca-7,15- diene ("Dechlorane Plus™") Note 4	00147 Note 6	All	Intentionally added or 0.0001 mass% of article [Reporting level: Article]	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021
25	-	Perfluorooctanoic acid and its salts Note 4	00160	All	Intentionally Added or 0.0000025 wt% (25ppb) of PFOA including its salts in article or mixture [ReportingLevel:Article, Mixture]	[EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021; [Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [Korea (the Republic of)] Persistent Organic Pollutants Control Act
26	-	PFOA-related compounds Note 4	00161	All	Intentionally Added or 0.0001 wt% (1ppm) of one or combined PFOA-related compounds, in article or mixture [ReportingLevel:Article, Mixture]	[EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021; [Korea (the Republic of)] Persistent Organic Pollutants Control Act
27	-	Halogenated Flame Retardants Note 4 ,6	00171	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	0.1 mass% of halogen content in homogeneous material [ReportingLevel:Material]	[EU] Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays
			00171	plastic external enclosures of electric and electronic products Note 13	Intentionally added [ReportingLevel:Material]	[USA Washington] Chapter 173-337 WAC SAFER PRODUCTS RESTRICTIONS AND REPORTING
28	-	C9-C14 PFCAs and their salts Note 4	00182	All	0.0000025 mass% for the sum of C9-C14 PFCAs and their salts in Article or Mixture [ReportingLevel:Article, Mixture]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
29	-	C9-C14 PFCA-related substances Note 4	00183	All	0.000026 mass% for the sum of C9-C14 PFCA-related substances in Article or Mixture [ReportingLevel:Article, Mixture]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
30	-	PFHxS-related compounds	00205	All	Intentionally added or 0.0001 mass% of one or a combination of PFHxS-related compounds in article [ReportingLevel:Article]	EU Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021
31	-	Undecafluorohexanoic acid (PFHxA) and its salts	00216	textiles, leather, furs and hides	0.0000025 mass% of PFHxA including its salts in homogenous material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
32	-	PFHxA related substances	00217	textiles, leather, furs and hides	0.0001 mass% for the sum of PFHxA-related substances in homogenous material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
33	-	Tris(2-chloroethyl) phosphate (TCEP)	00056 Note12	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
34	1163-19-5	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	00064	All	Intentionally added or 0.1 wt% (1,000 ppm) in article [ReportingLevel:Article]	[USA] Toxic Substances Control Act (TSCA)
35	117-81-7	Bis (2-ethylhexyl)phthalate (DEHP)	00038	All	0.1 wt% (1,000 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments
36	13674-84-5	Tris(1-chloro-2-propyl)phosphate (TCPP) Note 7	-	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation
37	13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate (TDCPP) Note 7	-	All	0.1 mass% of article [ReportingLevel:Product]	[USA] U.S. Specific State Chlorine Flame Retardant Regulation
38	192-97-2	Benzo[e]pyrene	00109	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% (1 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00117	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
39	205-82-3	Benzo[j]fluoranthene(BjFA)	00113	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% of in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00121	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
40	205-99-2	Benzo[b]fluoranthene(BbFA)	00112	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00120	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
41	207-08-9	Benzo[k]fluoranthene(BkFA)	00114	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
41	207-08-9	Benzo[k]fluoranthene(BkFA)	00122	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
42	218-01-9	Chrysen	00111	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00119	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
43	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyphenol (UV-328) Note 4	00130 Note 6	All	Intentionally added or 0.0001 mass% [Reporting level: Article]	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.; [EU] Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021
44	3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	00035	All	Intentionally added or 0.1 wt% (1,000 ppm) in article [ReportingLevel:Article]	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
45	50-00-0	Formaldehyde	00019	(a) clothing or related accessories, (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	0.0075 mass% in homogenous material [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
46	50-32-8	Benzo[a]pyrene(BaP)	00108	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% (1 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00116	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% (0.5 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
47	53-70-3	Dibenzo[a,h]anthracene(DBAhA)	00115	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% (1 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00123	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% (0.5 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
48	56-35-9	Bis(tributyltin) oxide (TBTO)	00054	All	Intentionally added or 0.1 wt% (1,000 ppm) in article [ReportingLevel:Article]	[Japan] Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
49	56-55-3	Benzo[a]anthracene(BaA)	00110	Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 wt% (1 ppm) in plastic or rubber [ReportingLevel:Material]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
			00118	Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 wt% (0.5 ppm) in plastic or rubber [ReportingLevel:Material]	
50	624-49-7	Dimethylfumarate (DMF)	00016	All	0.00001 wt% (0.1 ppm) in the part [ReportingLevel:Part]	[EU] REACH Regulation (EC) No.1907/2006 ANNEX XVII
51	68937-41-7	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1)) Note 4	00174	All	Intentionally added [ReportingLevel:Product]	[USA] Toxic Substances Control Act (TSCA)
52	84-69-5	Diisobutyl phthalate (DIBP)	00041	All	0.1 wt% (1,000 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments
53	84-74-2	Dibutyl phthalate (DBP)	00039	All	0.1 wt% (1,000 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments
54	85-68-7	Benzyl butyl phthalate (BBP)	00040	All	0.1 wt% (1,000 ppm) in homogenous material [ReportingLevel:Material]	[EU] RoHS Directive 2011/65/EU and its amendments
55	-	Medium-chain chlorinated paraffins with carbon chain lengths in the range C14-C17 and chlorination levels at or exceeding 45 per cent chlorine by weight (MCCP) Note 4 . 12	-	All	Intentionally added	Stockholm Convention
56	-	Long-chain perfluorocarboxylic acids, their salts and related compounds with carbon chain lengths in the range C9-C21 Note 7	-	All	Intentionally added	Stockholm Convention
57	-	Heavy metals (lead, cadmium, hexachromium, mercury) Note 7	-	Packing materials	Intentionally added or Exceeding 0.01 wt% (100 ppm) of total weight of heavy metals per homogenous material [ReportingLevel:Material] Note 5	94/62/EC (Packaging Waste Directive) • Law in specified US states, Toxics in Packaging
58	9002-86-2	Polyvinyl chloride (PVC) Note 7	-	Packing materials	Intentionally added [ReportingLevel:Material]	Aratas voluntary Restrictions

No	CAS No	Substance/Substance group Note 11	Judgement criteria		Threshold (Reporting threshld / Reporting Level Note 2)	Referenced laws & regulations
			ID Note 1	Applications (Reportable applications)		
59	-	Mineral oil aromatic hydrocarbons comprising from 1 to 7 aromatic rings (MOAH) Note 7	-	Packaging materials used in consumer products Note 10	Total MOAH of 1-7 rings 1% by weight (10000ppm) of ink used in packaging [Reporting level: Material]	[France] Mineral Oil Regulations (Ministerial Ordinance dated April 13, 2022)
60	133-49-3	Pentachlorothiophenol (PCTP)	-	All	1.0 wt% [ReportingLevel:Product]	[USA] Toxic Substances Control Act (TSCA)
61	87-68-3	Hexachlorobutadiene (HCBD)	-	All	Intentionally added [ReportingLevel:Product]	[USA] Toxic Substances Control Act (TSCA)

Attachment 3. Exempted Application List

The cautions about "Note" used in the list are as follows.

Cautions :

Note 1 "Industrial displays" are electronic displays designed only for use in industrial environments, and at a minimum must satisfy all the following (a) to (d).

(a) Operation must be possible at 0 to 50°C, (b) there must be no condensation at 20 to 90% humidity, (c) at least IP65 must be satisfied, and (d) must satisfy EMC immunity in an industrial environment

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	Cadmium/Cadmium compounds	00010	All, except batteries	RoHS	13(b)-(II)	Cadmium in striking optical filter glass types; excluding applications falling under point 39 of this Annex
				RoHS	13(b)-(III)	Cadmium and lead in glazes used for reflectance standards
-	Lead/Lead Compounds	00021	All, except batteries	RoHS	6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight
				RoHS	6(a)-II	Lead as an alloying element in batch hot-dip galvanised steel components containing up to 0,2% lead by weight
				RoHS	6(c)	Copper alloy containing up to 4 % lead by weight
				RoHS	7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 wt% or more lead)
				RoHS	7(a)-I	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) for internal interconnections for attaching die, or other components along with a die in semiconductor assembly with steady state or transient/impulse currents of 0.1 A or greater or blocking voltages beyond 10 V, or die edge sizes larger than 0.3 mm x 0.3 mm
				RoHS	7(a)-II	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) for integral (meaning internal and external) connections of die attach in electrical and electronic components, if all the following conditions are met: - the thermal conductivity of the cured/sintered die-attach material is >35W/(m*K); - the electrical conductivity of the cured/sintered die-attach material is >4.7MS/m; - solidus melting temperature is higher than 260°C
				RoHS	7(a)-III	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) in first level solder joints (internal or integral connections - meaning internal and external) for manufacturing components so that subsequent mounting of electronic components onto subassemblies (i.e. modules, sub-circuit boards, substrates, or point-to point soldering) with a secondary solder does not reflow the first level solder. This sub-entry excludes die attach applications and hermetic sealings
				RoHS	7(a)-IV	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) in second level solder joints for the attachment of components to printed circuit board or lead frames: 1. in solder balls for the attachment of ceramic ball-grid-array (BGA); 2. in high temperature plastic overmouldings (> 220 °C)

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	Lead/Lead Compounds	00021	All, except batteries	RoHS	7(a)-V	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) as a hermetic sealing material between: 1. a ceramic package or plug and a metal case; 2. component terminations and an internal sub-part
				RoHS	7(a)-VI	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) for establishing electrical connections between lamp components in incandescent reflector lamps for infrared heating, high intensity discharge lamps, or oven lamps
				RoHS	7(a)-VII	Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead) for audio transducers where the peak operating temperature exceeds 200°C
				RoHS	7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
				RoHS	7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
				RoHS	7(c)-V	Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils any of the following functions: 1) for protection and electrical insulation in glass beads of high-voltage diodes and glass layers for wafers ;2) for hermetic sealing between ceramic, metal and/or glass parts; 3) for bonding purposes in a process parameter window for < 500 °C combined with a viscosity of 1013.3 dPas ('glass-transition temperature'); 4) for use as a resistive material such as ink, with a resistivity range from 1 ohm/square to 100 megohm/square, excluding trimmer potentiometers; 5) for use in chemically modified glass surfaces for microchannel plates (MCPs), channel electron multipliers (CEMs) and resistive glass products (RGPs).
				RoHS	7(c)-VI	Electrical and electronic components containing lead in a ceramic that fulfils any of the following functions: 1) for use in piezoelectric lead zirconium titanate (PZT) ceramics; 2) for providing ceramics with a positive temperature coefficient (PTC).
				RoHS	13(a)	Lead in white glasses used for optical applications
				RoHS	13(b)-(I)	Lead in ion coloured optical filter glass types
				RoHS	13(b)-(III)	Cadmium and lead in glazes used for reflectance standards
				RoHS	15(a)	Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies: — a semiconductor technology node of 90 nm or larger; — a single die of 300 mm ² or larger in any semiconductor technology node; — stacked die packages with die of 300 mm ² or larger, or silicon interposers of 300 mm ² or larger.
				RoHS	34	Lead in cermet-based trimmer potentiometer elements
-	Mercury/Mercury Compounds	00029	All, except batteries	RoHS	1(f)-I	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg
				RoHS	4(a)-I	Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lamp

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	Mercury/Mercury Compounds	00029	All, except batteries	RoHS	4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P ≤ 105 W: 16 mg may be used per burner
				RoHS	4(c)-I	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P ≤ 155 W:20mg
				RoHS	4(c)-II	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): 155 W < P ≤ 405 W: 25 mg
				RoHS	4(c)-III	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P > 405 W: 25 mg
				RoHS	4(f)-I	Mercury in other discharge lamps for special purposes not specially mentioned in this Annex
				RoHS	4(f)-II	Mercury in high pressure mercury vapour lamps used in projectors where an output ≥ 2000 lumen ANSI is required
				RoHS	4(f)-III	Mercury in high pressure sodium vapour lamps used for horticulture lighting
				RoHS	4(f)-IV	Mercury in lamps emitting light in the ultraviolet spectrum
-	Perfluorooctane sulfonates (PFOS)	00124	Textiles or other coated materials.	POPs	PFOS-97	Concentrations of PFOS or any of its salts equal to or below 0,025 mg/kg (0,0000025 % by weight) where they are present in substances, mixtures or in articles. Or the sum of concentrations of all PFOS-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles.
		00125	All except textiles or other coated materials.	POPs	PFOS-97	Concentrations of PFOS or any of its salts equal to or below 0,025 mg/kg (0,0000025 % by weight) where they are present in substances, mixtures or in articles. Or the sum of concentrations of all PFOS-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles.
-	Perfluorooctanoic acid and its salts	00160	All	POPs	PFOA-8	Perfluorooctyl bromide containing perfluorooctyl iodide for the purpose of producing pharmaceutical products.
				POPs	PFOA-12	Concentrations of PFOA and its salts and/or PFOA-related compounds equal to or below 2 mg/kg (0,0002 wt%) where they are present in medical devices other than invasive devices and implantable devices
				POPs	PFOA-13	PFOA and its salts equal to or below 1 mg/kg (0,0001 % by weight) where they are present in polytetrafluoroethylene (PTFE) micropowders that are transported or treated for the purpose to reduce the concentration of PFOA and its salts below the limit of 0,025 mg/kg (0,0000025 % by weight).
				POPs	PFOA-98	Concentrations of PFOA or any of its salts equal to or below 0,025 mg/kg (0,0000025 wt%) where they are present in substances, mixtures or articles. Or concentrations of any individual PFOA-related compound or a combination of PFOA-related compounds equal to or below 1 mg/kg (0,0001 wt%) where they are present in substances, mixtures or articles.

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	PFOA-related compounds	00161	All	POPs	PFOA-8	Perfluorooctyl bromide containing perfluorooctyl iodide for the purpose of producing pharmaceutical products.
				POPs	PFOA-12	Concentrations of PFOA and its salts and/or PFOA-related compounds equal to or below 2 mg/kg (0,0002 wt%) where they are present in medical devices other than invasive devices and implantable devices
				POPs	PFOA-13	PFOA and its salts equal to or below 1 mg/kg (0,0001 % by weight) where they are present in polytetrafluoroethylene (PTFE) micropowders that are transported or treated for the purpose to reduce the concentration of PFOA and its salts below the limit of 0,025 mg/kg (0,0000025 % by weight).
				POPs	PFOA-98	Concentrations of PFOA or any of its salts equal to or below 0,025 mg/kg (0,0000025 wt%) where they are present in substances, mixtures or articles. Or concentrations of any individual PFOA-related compound or a combination of PFOA-related compounds equal to or below 1 mg/kg (0,0001 wt%) where they are present in substances, mixtures or articles.
-	Halogenated flame retardants	00171	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	ErP	HFR-2	Projectors
				ErP	HFR-3	All-in-one video conference systems
-	Halogenated flame retardants	00171	enclosure and stand of electronic displays, including televisions, monitors and digital signage displays with a screen area greater than 100 square centimetres	ErP	HFR-4	Medical displays
				ErP	HFR-5	Virtual reality headsets
				ErP	HFR-6	Displays integrated or to be integrated into products listed into Article 2, point 3(a) and point 4 of Directive 2012/19/EU
				ErP	HFR-7	Displays that are components or subassemblies of products covered by implementing measures adopted under Directive 2009/125/EC
				ErP	HFR-8	Industrial displays Note 1
-	C9-C14 PFCAs, their salts	00182	All	REACH Annex XVII	PFCA-1	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 are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms.
				REACH Annex XVII	PFCA-4	The can coating for pressurised metered-dose inhalers
				REACH Annex XVII	PFCA-6	Semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.
				REACH Annex XVII	PFCA-7	C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups.

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	C9-C14 PFCAs, their salts	00182	All	REACH Annex XVII	PFCA-8	The sum of C9-C14 PFCAs equal to or below 1000 ppb where these are present in PTFE micro powders produced by ionising irradiation or by thermal degradation, as well as in mixtures and articles for industrial and professional uses containing PTFE micro powders.
				REACH Annex XVII	PFCA-98	the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances.
-	C9-C14 PFCA related substances	00183	All	REACH Annex XVII	PFCA-1	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 are met for the manufacturing of fluorochemicals with a perfluoro carbon chain length equal to or shorter than 6 atoms.
				REACH Annex XVII	PFCA-4	The can coating for pressurised metered-dose inhalers
				REACH Annex XVII	PFCA-6	Semiconductors used in spare or replacement parts for finished electronic equipment placed on the market before 31 December 2023.
				REACH Annex XVII	PFCA-98	the sum of C9-C14 PFCAs and their salts or 260 ppb for the sum of C9-C14 PFCA-related substances.
68937-41-7	Phenol, Isopropylated Phosphate (3:1) (PIP (3:1))	00174	All	TSCA	PIP-3	Hydraulic fluids either for the aviation industry or military specifications for safety and performance where no alternative chemical
				TSCA	PIP-4	Lubricants and greases
				TSCA	PIP-5	New and replacement parts for motor and aerospace vehicles
				TSCA	PIP-6	Intermediate in a closed system to produce cyanoacrylate adhesives
				TSCA	PIP-7	Specialized engine air filters for locomotive and marine applications
				TSCA	PIP-8	Plastic recycled from PIP (3:1)-containing plastic, where no new PIP (3:1) is added during the recycling process
				TSCA	PIP-9	Products or articles made from recycled PIP (3:1)-containing plastic, where no new PIP (3:1) was added during the production of the products or articles made of recycled plastic.
-	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	00147	All	POPs	DP-1	Aerospace, space and defence applications
				POPs	DP-2	Medical imaging applications
				POPs	DP-3	Radiotherapy devices and installations
				POPs	DP-4	Spare parts for, and the repair of, any of the following: (i) land-based motor vehicles; (ii) stationary industrial machines for use in agriculture, forestry and construction; (iii) marine, garden, forestry and outdoor power equipment other than that covered under (ii); (iv) aerospace, space and defence applications; (v) instruments for analysis, measurements, control, monitoring, testing, production and inspection
				POPs	DP-5	Spare parts for, and the repair of, any of the following: (i) medical devices and accessories for medical devices within the scope of Regulation (EU) 2017/745; (ii) in vitro diagnostic medical devices and accessories for in vitro diagnostic medical devices within the scope of Regulation (EU) 2017/746
				POPs	DP-97	Concentrations of dechlorane plus is greater than 1 mg/kg (0,0001 % by weight) and not more than 1000 mg/kg (0,1 % by weight) in substances, mixtures or articles

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)	00147	All	POPs	DP-98	Concentrations of dechlorane plus equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or articles
25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	00130	All	POPs	UV328-1	Land-based motor vehicles
				POPs	UV328-2	Industrial coating for land-based motor vehicles, engineering machines, rail transportation vehicles, and in heavy-duty coatings for large steel structures
				POPs	UV328-3	Mechanical separators in blood collection tubes
				POPs	UV328-4	Triacetyl cellulose film in polarisers
				POPs	UV328-5	Photographic paper
				POPs	UV328-6	Civilian and military aircrafts
				POPs	UV328-7	Spare parts for any of the following: (i) land-based motor vehicles; (ii) stationary industrial machines for use in agriculture, forestry and construction; (iii) liquid crystal displays in instruments for analysis, measurements, control, monitoring, testing, production and inspection, other than for medical applications
				POPs	UV328-8	Spare parts for any of the following: (i) liquid crystal displays in devices within the scope of Regulation (EU) 2017/745, and within the scope of Regulation (EU) 2017/746; (ii) liquid crystal displays in instruments for analysis, measurements, control, testing, production and inspection
				POPs	UV328-9	Spare parts for civilian and military aircrafts where UV-328 was initially used in their production
				POPs	UV328-96	Concentrations of UV-328 is greater than 10 mg/kg (0,001 % by weight) and not more than 100 mg/kg (0,01 % by weight) in substances, mixtures or articles
				POPs	UV328-97	Concentrations of UV-328 is greater than 1 mg/kg (0,0001 % by weight) and not more than 10 mg/kg (0,001 % by weight) in substances, mixtures or articles
				POPs	UV328-98	Concentrations of UV-328 is not more than 1 mg/kg (0,0001 % by weight) in substances, mixtures or articles
-	Polybrominated diphenyl ethers (PBDE)	00045	All	POPs	PBDE(Br_4-7)-2	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is greater than 200 mg/kg and not more than 350 mg/kg in mixtures or articles containing or made from recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_4-7)-3	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is not more than 200 mg/kg in mixtures or articles containing or made from recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_4-7)-5	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is greater than 10 mg/kg and not more than 350 mg/kg in toys subject to Directive 2009/48/EC or in any product facilitating children's seating, sleep, relaxation, hygiene, changing, general body care, feeding, sucking, transportation, and protection, containing or made of recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	Polybrominated diphenyl ethers (PBDE)	00045	All	POPs	PBDE(Br_4-7)-6	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is not more than 10 mg/kg in toys subject to Directive 2009/48/EC or in any product facilitating children's seating, sleep, relaxation, hygiene, changing, general body care, feeding, sucking, transportation, and protection, containing or made of recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_4-7)-7	Electrical and electronic equipment within the scope of Directive 2011/65/EU
				POPs	PBDE(Br_4-7)-98	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE and decaBDE present in mixtures or articles are equal to or below 10 mg/kg (0.001%) , except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_10)-2	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is greater than 200 mg/kg and not more than 350 mg/kg in mixtures or articles containing or made from recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_10)-3	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is not more than 200 mg/kg in mixtures or articles containing or made from recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_10)-5	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is greater than 10 mg/kg and not more than 350 mg/kg in toys subject to Directive 2009/48/EC or in any product facilitating children's seating, sleep, relaxation, hygiene, changing, general body care, feeding, sucking, transportation, and protection, containing or made of recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_10)-6	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE, and decaBDE is not more than 10 mg/kg in toys subject to Directive 2009/48/EC or in any product facilitating children's seating, sleep, relaxation, hygiene, changing, general body care, feeding, sucking, transportation, and protection, containing or made of recovered materials, except for food contact materials subject to Regulation (EC) No 1935/2004.
				POPs	PBDE(Br_10)-8	Manufacturing of spare parts for aircraft for which type approval has been applied for before 2 March 2019 and has been received before December 2022, produced before 18 December 2023, or, where the continuing need is justified, produced before 2 March 2027, until the end of service life of that aircraft.
				POPs	PBDE(Br_10)-9	Manufacturing of spare parts for motor vehicles within the scope of Directive 2007/46/EC, produced before 15 July 2019, either until 2036 or until the end of service life of those motor vehicles (whichever date comes earlier), for use in one or more of the following categories:(a) powertrain and under hood applications such as battery mass wires, battery interconnection wires, mobile air condition (MAC) pipes, powertrains, exhaust manifold bushings, under-hood insulation, wiring and harness under-hood (engine wiring, etc.), speed sensors, hoses, fan modules and knock sensors;(b) fuel system applications such as fuel hoses, fuel tanks and fuel tanks under body;(c) pyrotechnical devices and applications affected by pyrotechnical devices such as airbag ignition cables, seat covers/fabrics (only if airbag relevant) and airbags (front and side).

CAS No	Substance/Substance group	Content criteria_ID	Applications (Reportable applications)	Usage code		Description
				Laws & regulations	Code	
-	Polybrominated diphenyl ethers (PBDE)	00045	All	POPs	PBDE(Br_10)-10	Electrical and electronic equipment within the scope of Directive 2011/65/EU
				POPs	PBDE(Br_10)-98	The sum of the concentrations of tetraBDE, pentaBDE, hexaBDE, heptaBDE and decaBDE present in mixtures or articles are equal to or below 10 mg/kg (0.001%) , except for food contact materials subject to Regulation (EC) No 1935/2004.
-	Medium-chain chlorinated paraffins with carbon chain lengths in the range C14–C17 and chlorination levels at or exceeding 45 per cent chlorine by weight (MCCP)	-	All	POPS	-	"Soft polyvinyl chloride for the following applications: • Wires and cables for medical and in-vitro diagnostic equipment Metalworking oils for such as the following applications: • Electrical and electronic equipment used as medical devices, in-vitro diagnostic devices, and measuring, analyzing, manufacturing, controlling, monitoring, testing and inspection devices "