Vivienne Westwood PRSL_19.12.2023

Introduction-Read Me

Scope

This document contains chemical restrictions which according to our best interpretation of laws and technical regulations, must be satisfied by the articles (and the materials that constitute them) intended for adult uses:

•Accessories like bags, scarves and foulards
•Footwear
•Apparel

The chemical restrictions and physical-mechanical requirements taken into consideration for the revision / update of your protocol refer exclusively to the mandatory requirements in force in the following countries:

• Europe, UK
• USA,
•China,
• Japan
• South Korea

In this context, we would like to point out that the field of application described in the **PRSL (Product Restricted Substance List)** matrix derives from our best interpretation of the legislation and from the information currently available on the listed substances and their uses. This does not affect the need to comply with all restrictions applicable to the products in question.

Legal References

• Europe
o With reference legislation published by the European Commission (such as Reg. (EU) 1907/2006-REACH, Reg. (EU) 2019/1021 -POP) and some requirements of national legislation that we are aware of. For chemical requirements, at the moment the UK requirements are still aligned
• USA
o With reference to the requirements established by federal legislation and the requirements of national legislation that we are aware of.
•China
o With reference to GB 18401, GB 20400, GB 21550, GB 25038
• Japan
o With reference to the Legislation Act No.112 of 1973.
•South Korea
o With reference to Annexes 1, 3, 22, 24 of Standard for Household goods
However, we remain available for further specific questions also regarding aspects not falling within the scope of this document.

GENERAL REQUIREMENTS

EU and UK

Please note that every product (substance, mixture or article) placed/supplied in the EU market is subject to prescription of Regulation (EC) n. 1907/2006 (REACH) and, therefore, shall comply with every applicable requirements of this regulation (including the compliance to every restriction of Annex XVII of REACH).

Please remember therefore to always check the obligations that your company has due to this regulation (registration, information along the supply chain, notification, etc.) in relation to products that are part of your business. In particular, the presence, within articles supplied by the company, of substances of very high concern (SVHC) candidate for authorization would give rise to obligation to communicate information along the supply chain and / or to notification obligation.
Products must comply with all requirements into force in Member States where they are marketed, and with every requirements of REACH.
The SVHC (substances of very high concern) candidates for authorization shall not be used in the manufacture of the supplied articles. Each component of the product shall not contain SVHC candidates for authorization in concentration above 0.1%.
Since the list of SVHC candidate for authorization is constantly updated, it is the responsibility of the supplier to ensure that the conditions mentioned above refer to the list of SVHC in force at the time of supply.
List of substances of very high concern:
http://echa.europa.eu/it/candidate-list-table

After a two-step regulatory process, SVHCs may be included in the Authorisation List (Annex XIV of REACH) and become subject to authorisation. These substances cannot be placed on the market or used after a given date, unless an authorisation is granted for their specific use, or the use is exempted from authorisation. These substances shall not be used in the production process, imported or placed on the European market unless supplier is able to provide proof of authorization procedure.
List of substances in the Annex XIV:
https://echa.europa.eu/it/authorisation-list

According to Regulation (EU) No 517/2014 on fluorinated greenhouse gases that repealing Regulation (EC) No 842/2006, we notified that, the fluorinated greenhouse gases (such as SF-6, HFCs, PFCs) shall be not present on the final products.

Please note that a similar list is also available in UK at the following links:

- UK REACH https://www.hse.gov.uk/reach/index.htm
- UK REACH substances of very high concern (SVHCs) https://www.hse.gov.uk/reach/svhc.htm
- UK REACH Annex 14 Authorization List https://www.hse.gov.uk/reach/authorisation-list.htm

According to provisions of Reg. (EU) No. 528/2012 concerning the use of biocidal products, we point out that the use of biocides should be subject to authorization and the use of certain active substances requires specific labelling.

Specific requirements for France

COMMUNICATION OF THE PRESENCE OF CERTAIN ENDOCRINE DISRUPTORS – implementation of article L. 5232-5 of the France Public Health Code as modified by the AGEC LAW:
French AGEC Law 2020-105 on the fight against waste and the circular economy contained various requirements mainly concerning sustainability and environment.
We are hereby referring to article L. 5232-5 of the France Public Health Code as modified by article 13 of AGEC Law 2021-105. This newly implemented requirement regarding the communication to the consumers by electronic means of the presence of certain endocrine disruptors, if above 0,1 %.
Generally speaking, the field of application of this requirement include broadly: all consumers products (substances, mixtures and articles, unless specified differently), foodstuff (and excludes medicines).
The application date of the communication obligations is 12 April 2024.
Following the publication of three implementing orders in the month of October 2023, lists of endocrine disruptors were introduced. Such lists contains various substances of which most of them are already listed as SVHC in the ECHA candidate list.
In addition the following two are non SVHC substances:
•Mancozeb - CAS: 8018-01-7 (Listed in Annex I table A (List of substances with proven and presumed endocrine disrupting properties, mentioned in I of Article L. 5232-5 of the Public Health Code) of the Order of September 28, 2023 establishing the list of substances presenting endocrine disrupting properties mentioned in I and II of Article L. 5232-5 of the Public Health Code and the categories of products presenting a particular exposure risk mentioned in II of article L. 5232-5 of the public health code).
•Colecalciferol (or Vitamin D3) - CAS: 67-97-0 (Listed in Annex I table A bis (List of substances with proven and presumed endocrine disrupting properties, mentioned in I of Article L. 5232-5 of the Public Health Code and subject to health recommendations due to their nutrient nature (vitamins, minerals) and their health benefits according to precautions of use) of the Order of September 28, 2023 establishing the list of substances presenting endocrine disrupting properties mentioned in I and II of Article L. 5232-5 of the Public Health Code and the categories of products presenting a particular exposure risk mentioned in II of article L. 5232-5 of the public health code).
Moreover according France Agec Law, also the following substances shall be notified:
I.Diisooctyl phthalate (DIOP) - CAS: 27554-26-3
II.Resorcinol - CAS: 108-46-3
To avoid communication and notification obligations it is requested to not use these substances in provided materials.

USA

In the US, all materials must comply with national laws and federal regulations.
Among other State-specific requirements, please note that the law called Proposition 65 is into force in California. Proposition 65 requires businesses to notify Californians about significant amounts of chemicals in the products they purchase, in their homes or workplaces, or that are released into the environment. Chemicals to be notified are those on the list published by the competent authority (this list contains more than 1000 substances, known to be carcinogenic or cause reproductive harm).
The substances present in the list of California Proposition 65 shall not be used in the production of the supplied items. Each component of the product shall not contain substances in concentrations that require notification of the presence of this substance (within the meaning of what is specified by the law) to the citizens of California (e.g. through labelling).
List of substances under California Proposition 65:
https://oehha.ca.gov/proposition-65/proposition-65-list

Moreover in California it is entered into force (01 October 2013) the "California's Safer Consumer Products regulations". The DTSC (Department of Toxic Substances Control) has published a list of candidate chemicals. These substances shall not be used in the production of the supplied items (and shall not be present as contaminants above the PQL-Practical Quantification Limit).

General ban of PFAS in USA States
We also point out that in some US states such as Maine, California, NY legislation or legislative proposals are in place that require the intentional non-use of substances belonging to the PFAS family. So these substances shall not be intentionally used in the supplied products.

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Substances/Parameters	Limits (Legal stricter limits among countries reported)	Legal Reference	Testing Methods	Field of application					
				Textile	Leather	Plastic/rubber	Surface coatings / applied paints (NOTE 2)	Metal	Other: Porcelain, Ceramic, Glass, Crystal
Aromatic Amines	Textile: 20 mg/kg Leather: 30 mg/kg	Europe Textile and Leather: Annex XVII of Reach Regulation (EC) 1907/2006 entry 43 China GB 20400 GB 25038 GB 18401 -Japan Textile and Leather: Act No.112 of 1973 South Korea Annex 1, 3 of Standard for Household goods	EU Textile: EN 14362-1&EN 14362-3 Leather: ISO 17234-1&ISO 17234-2 China Textile: GB/T 17592 &GB/T 23344 Leather: GB/T 19942 Japan JIS L 1940 South Korea KS K 0147, KS K 0739, KS K 0734	x	x				
Aromatic Amines (others)	Textile: 30 mg/kg	Europe -Annex XVII of Reach Regulation (EC) 1907/2006 entry 72		x					
Formaldehyde and Formaldehyde-releasing substances	Textile and Leather: 75 mg/kg Not in contact with skin: 300 mg/kg. Please note that from 2026 a new emission limit of 0,080 mg/m3 (for articles other than furniture and wood-based articles), will be applicable for product other than textile and for which we suggest to start to verify the compliance in advance.	Europe Textile and Leather: Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 and entry 77 (from 2026) China GB 20400 GB 25038 GB 18401 Japan Act No.112 of 1973 South Korea Annex 1, 3 of Standard for Household goods	EU and South Korea Textile: ISO 14184-1; Leather: ISO 17226-1 & ISO 17226-2; For emission: Appendix 14 of REACH Regulation Japan Act No.112 of 1973 China Textile: GB/T 2912.1; Leather GB/T 19941	x	x	x (emission only)			
Organotin Compounds	< 1,0 mg/kg (TBT)(TPhT)(TBTO) (DBT) (DOT)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 20 Japan -Act No.112 of 1973 South Korea Annex 1, 2 of Standard for Household goods	Europe and Japan ISO/TS 16179 South Korea KS K 0737	x	x	x	x		
Phenylmercury Compounds and organomercury compounds	1 mg/kg (as mercury)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 62 Japan -Act No.112 of 1973	Textile: CPSC-CH-E1002-08 EN 16711-1 Leather: EN 17072-2 or CPSC-CH-E1002-08 Plastic: CPSC-CH-E1002-08 Surface Coatings:CPSC-CH-E1003-09	x	x	x	x		
Cadmium	75 mg/kg	Europe -Annex XVII of Reach Regulation (EC) 1907/2006 entry 23 -USA Minnesota -China GB 20400 South Korea Annex 24 of Standard for Household goods	EN 16711-1 for textile and leather EN 1122 for plastic; CPSC-CH-E1002-08.1 textiles and others: CPSC-CH-E1001-08.1 metal CPSC-CH-E1003-09.1 surface coating China GB/T 30157 QB/T 4340 South Korea Common Safety Standards for Children's Products	x	x	x	x	x	x

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Substances/Parameters	Limits (Legal stricter limits among countries reported)	Legal Reference	Testing Methods	Field of application					
				Textile	Leather	Plastic/rubber	Surface coatings / applied paints (NOTE 2)	Metal	Other: Porcelain, Ceramic, Glass, Crystal
Lead	90 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 63 USA -Illinois Lead Poisoning Prevention Act -Minnesota South Korea Annex 24 of Standard for Household goods	EU and USA Textile and others : CPSC-CH-E1002-08 EN 16711-1 Leather: EN 17072-2 or CPSC-CH-E1002-08 Metal: CPSC-CH-E1001-08 Plastic: CPSC-CH-E1002-08 Surface Coatings:CPSC-CH-E1003-09 South Korea Common Safety Standards for Children's Products	x	x	x	x	x	x (specific exemptions may be applicable for crystal)
Chromium (VI)	3 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 47 South Korea Annex 3 of Standard for Household goods	Europe ISO 17075-2 after aging condition according to ISO 10195 South Korea KS M 6902		x				
Pentachlorophenol and its salts and esters and Tetrachlorophenol (TeCP)	0,5 mg/kg	Europe -Regulation 2019/2021 (POP) -UNI/TR 11359 China GB 25038	Leather: ISO 17070 Textile: UNI 11057, LFGB 64 B 82.02-8:2001 China GB/T 18414. 1 &.2	x	x				
PAH (Polycyclic Aromatic Hydrocarbons)	1 ppm (each substance)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 50.5 and 72	AfPS GS 2019:01 PAK EN 17132	x (if made of synthetic organic polymer, eg. polyester)		x	x (if made of synthetic organic coating)		
Flame Retardants	hexabromocyclododecane<100 mg/kg, Sum of tetra-, penta-, hexa-, hepta and decaBDE <500 mg/kg<; Only DecaBDE ND<10 mg/kg, Other ND (<10 mg/kg each); Dechlorane Plus (Additional)<1000 mg/kg	Europe -Regulation 2019/2021 (POP - Annex XVII of Reach Regulation (EC) 1907/2006 entries 4,7, 8, 45 -Proposal of restriction ongoing Japan - Act No.112 of 1973 USA TSCA:Toxic Substances Control Act (TSCA) National State Legislation such as Washington Vermont, Maryland, New York and Oregon Minnesota etc	ISO 17881(1 e 2) or GB/T 24279 South Korea IEC 62321-6	x	x				
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	1000 mg/kg	Europe Regulation 2019/2021 (POP) and List of substances in Candidate List of SVHC under REACH	Leather:EN ISO 18219-1; Textile: EN ISO 22818	x	x (if synthetic)	x			
Medium-chain chlorinated paraffins (MCCPs)-Additional Requirements	1000 mg/kg	Europe CList of substances in Candidate List of SVHC under REACH (Additional Requirements)	Leather:EN ISO 18219-2; Textile: EN ISO 22819	x	x (if synthetic)	x			
PCTP Pentachlorothiophenol	ND (Detection Limit)	USA TSCA:Toxic Substances Control Act (TSCA)	Solvent Extraction and GCMS			x (rubber)			
Nonylphenol	1000 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 46	Textile:ISO 21084; Leather ISO 18218-2	x	x				
Nonylphenol ethoxylates	Textile: 100 mg/kg; Leather: 1000 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 46 and 46.a	Textile: ISO 18254-1; Leather ISO 18218-1	x (not applicable if materials of fiber is 100% recyclable or if the product isn't washable in water)	x (recommended)				
Blue Colourant (additional requirement)	ND (Detection Limit)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 43	DIN 54231	x	x				

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Substances/Parameters	Limits (Legal stricter limits among countries reported)	Legal Reference	Testing Methods	Field of application					
				Textile	Leather	Plastic/rubber	Surface coatings / applied paints (NOTE 2)	Metal	Other: Porcelain, Ceramic, Glass, Crystal
Dyes (carcinogenic and allergenic)	ND (Detection Limit):5 mg/L	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 Europe -National legislation (such as: Germany) -UNI/TR 11359 South Korea Annex 1 of Standard for Household goods	DIN 54231 South Korea KS K0736	x	x				
Asbestos	ND (Detection Limit)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 6	X-ray diffractometer	x					
Malachite Green	0,10%	South Korea K-REACH Restricted substance list	DIN 54231	x					
pH	Textile: 4,0-7,5 (contact with Skin); 4.0-9.0 (not contact with the skin); Leather 4 -7,5 (DpH 0.7)	Eu: UNI/TR 11359 China GB:25038 GB: 18401 South Korea Annex 1 of Standard for Household goods	EU and South Korea: ISO 3071 GB/T 7573	x	x				
Dimethylfumarate	0.1 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 61 South Korea Annex 1, 3 of Standard for Household goods	ISO/TS 16186 EN 17130	x	x				
Pesticides	ND (Detection Limit)	Europe Regulation 2019/2021 (POP) Japan -Act112 of 1973 USA TSCA:Toxic Substances Control Act (TSCA)	US EPA 8081 + US EPA 8141 + US EPA 8151	x (if natural)	x (if real leather)				
Nickel	parts intended to come into direct and prolonged contact with the skin <0.5 µg/cm2/week	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 27 South Korea Annex 1, 3 of Standard for Household goods	EU EN 1811+ EN 12472 South Korea Supplier Confirmation of Conformity Safety Standards in accordance with the Special Act on Safety of Children's Products Annex 11 (Children's Accessories)					x	
Phthalates	For product intended for adult, only the phthalates in bold are applicable with the limit of 1000 mg/kg as sum. As additional requirement: sum of all< 1000 mg/kg .	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 51.3 and 72 and CMR Listed in Annex VI of Regulation 1272/2008 USA CPSIA National Legislation South Korea Annex 24 of Standard for Household goods	USA CPSC-CH-C1001-09 EU EN 14389 ISO 8124-6 China GB/T 20388 ISO/TS 16181 South Korea Common Safety Standards for Children's Products			x (if plasticized) (NOTE 1)	x (if plasticized) (NOTE 1)	-	
Vinyl chloride monomer	5 mg/kg	China -GB 21550	GB/T 4615			x (PVC Artificial Leather)			
Soluble lead	90 mg/kg	China -GB 21550	GB 21550			x (PVC Artificial Leather)			
Soluble cadmium	75 mg/kg	China -GB 21550	GB 21550			x (PVC Artificial Leather)			
Volatile matter	20 g/m^2	China -GB 21550	GB 21550			x (PVC Artificial Leather)			
PFOS	1 µg/m2; 25 ppb (on the basis of actual proposal)	Europe -Regulation 2019/2021 (POP) -UNI/TR 11359 China GB 25038	Textile: CEN/TS 15968 or EN 17681-1&2 Leather: ISO 23702-1	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				

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Substances/Parameters	Limits (Legal stricter limits among countries reported)	Legal Reference	Testing Methods	Field of application					
				Textile	Leather	Plastic/rubber	Surface coatings / applied paints (NOTE 2)	Metal	Other: Porcelain, Ceramic, Glass, Crystal
PFOA and PFOA related substances	25 ppb for PFOA and 1000 ppb for PFOA related substances	Europe -Regulation 2019/2021 (POP)	Textile: CEN/TS 15968 or EN 17681-1&2 Leather: ISO 23702-1	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				
PFCA and PFCA related substances	25 ppb for PFCA and 260 ppb for PFCA related substances	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 68	Textile: CEN/TS 15968 or EN 17681-1&2 Leather: ISO 23702-1	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				
PFHxS and PFHxS related substances	25 ppb for PFHxS and 1000 ppb for PFHxS related substances	Europe -Regulation 2019/2021 (POP)	Textile: CEN/TS 15968 or EN 17681-1&2 Leather: ISO 23702-1	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				
Total Organic Fluorine	100 ppm from 2025 and 50 ppm from 2027	Europe - REACH Restriction Proposal USA -TSCA, CPSC Proposal and Various US State Requirements such as California	CIC, ION CHROMATOGRAPHY WITH CHEMICAL COMBUSTION; EN 14582 or ASTM D7359	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				
Other PFAS/PFC	25 ppb for each PFAS and 250 ppb as sum of PFAS related substances	Europe - REACH Restriction Proposal USA -TSCA, CPSC Proposal and Various US State Requirements such as California	Textile: CEN/TS 15968 or EN 17681-1&2 Leather: ISO 23702-1	x (if coating treatment for water/oil repellent effect is present)	x (if coating treatment for water/oil repellent effect is present)				
Lead Extractable	1 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China GB 25038	EN 16711-2 China GB/T 17593.1&2	x					
Cadmium Extractable	For footwear: 0.1 mg/kg, For other Adult products 1 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China GB 25038	EN 16711-2 China GB/T 17593.1&2	x					
Chromium (VI) Extractable	1 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72	EN ISO 17075-1, EN ISO 17075-2 (in case of interferences as confirmation method)	x					
Arsenic Extractable	1 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China GB 25038	EN 16711-2 China GB/T 17593.4	x					
Benzene	5 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72	For general VOC screening: GC/MS headspace 45 minutes at 120 degrees C			x (Applicable to parts on textile into contact with the skin to an extent similar to clothing)	x (Applicable to parts on textile into contact with the skin to an extent similar to clothing)		
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (NMP)	1000 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 and SVHC	ISO 19070			x (Applicable to PU materials, artificial leather and Synthetic Fiber (e.g. spandex) parts on textile into contact with the skin to an extent similar to clothing)	x (Applicable to PU materials, parts on textile into contact with the skin to an extent similar to clothing)		
N,N-dimethylacetamide (DMAC)	1000 mg/kg		CEN ISO/TS 16189						
N,N-dimethylformamide; dimethyl formamide (DMF)	1000 mg/kg		EN 17131						
Quinoline	50 mg/kg	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72	DIN 54231	x					
Chlorinated Benzenes and Toluenes	1 mg/kg each substance	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72	EN 17137	x (especially synthetic)					
N-Nitrosamines and Nitrosable substances	N-Nitrosamines: 0.5 mg/kg for footwear for adult	China GB 25038	GB/T 24153			X (rubber and elastomeric materials)			
Other PAH (Additional Requirement)-15 PAH	Naphthalene <2 ppm; Sum of Phenanthrene, Pyrene, Anthracene, Fluoranthene <10 mg/kg; Other < 0.5 ppm. Sum of all 15 PAH< 10 ppm.	Europe -AfPS GS 2019:01 PAK	AfPS GS 2019:01 PAK	x (Additional requirement applicable if made of synthetic organic polymer, eg. polyester)		x	x (Additional requirement applicable if made of synthetic organic polymer, eg. polyester)		
Other Benzene and Toluenes Chlorinated (Additional Requirement)	1 mg/kg (sum)	Europe UNI/TR 11359	EN 17137	x (if synthetic eg. Polyester)					
Other Pesticides (Additional Requirement)	0.05 each	Europe UNI/TR 11359	US EPA 8081 + US EPA 8141 + US EPA 8152	x (if natural)	x (if real leather)				
OPP (Ortophenylphenol) Additional Requirement	Textile: 100 mg/kg for adult; Leather: 1000 mg/kg	Europe UNI/TR 11359	Leather: ISO 17070 Textile: UNI 11057, LFGB 64 B 82.02-8:2001	x	x				

Substances/Parameters	Limits (Legal stricter limits among countries reported)	Legal Reference	Testing Methods	Field of application					
				Textile	Leather	Plastic/rubber	Surface coatings / applied paints (NOTE 2)	Metal	Other: Porcelain, Ceramic, Glass, Crystal
Migration of Heavy Metals (Additional Requirement)	Sb – Antimony < 30 mg/kg As – Arsenic < 1,0 mg/kg Pb –Lead < 0,8 mg/kg Cd – Cadmium< 0,1 mg/kg Co – Cobalt< 4,0 mg/kg Ni – Nickel< 4,0 mg/kg Hg – Mercury< 0,05 mg/kg	Europe UNI/TR 11359	ISO 17072-1		x				
Migration of Heavy Metals (Additional Requirement)	Sb – Antimony< 30 mg/kg As – Arsenic < 1,0 mg/kg Pb – lead < 1,0 mg/kg Cd – Cadmium< 0,1 mg/kg Cr – Chromium< 2,0 mg/kg Cr(VI)< 0,5 mg/kg Co – Cobalt< 4,0 mg/kg Cu – Copper< 50 mg/kg Hg – Mercury< 0,02 mg/kg Ni – Nickel< 4,0 mg/kg Zn – Zinc< 50 mg/kg	Europe UNI/TR 11359	EN 16711-2	x					
N-Nitrosamines and Nitrosable substances	0.5 mg/kg	China GB 25038	GB/T 24153			X (rubber and elastomeric materials)			

Note 1	Plasticized Material definition according Entry 51 of Annex XVII of REACH: '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, - surface coatings, non-slip coatings, finishes, decals, printed designs, adhesives, sealants, paints and inks.

Note 2	Surface Coating Definition according to 16 CFR: Paint and other similar surface-coating materials means a fluid, semi-fluid, or other material, with or without a suspension of finely divided coloring matter, which changes to a solid film when a thin layer is applied to a metal, wood, stone, paper, leather, cloth, plastic, or other surface. This term does not include printing inks or those materials which actually become a part of the substrate, such as the pigment in a plastic article, or those materials

Substance List	
Substance Name	CAS Number
Aromatic Amines	
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4
2,4,5-trimethylaniline	137-17-7
2-Methoxyaniline,o-Anisidine	90-04-0
2-naphthylamine	91-59-8
3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1
3,3'-dimethoxybenzidine o-dianisidine	119-90-4
3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7
4,4'-methylenedi-o-toluidine	838-88-0
4,4'-oxydianiline	101-80-4
4,4'-thiodianiline	139-65-1
4,4'- Diaminodiphenylmethane (MDA)	101-77-9
4-Aminoazobenzene	60-09-3
4-chloro-o-toluidine	95-69-2
4-chloroaniline	106-47-8
4-methoxy-m-phenylenediamine	615-05-4
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7
5-nitro-o-toluidine	99-55-8
6-methoxy-m-toluidine (p-cresidine)	120-71-8
Benzidine	92-87-5
Biphenyl-4-ylamine,4-aminobiphenyl xenylamine	92-67-1
o-aminoazotoluene,4-amino-2',3-dimethylazobenzene,4-o-tolylazo-o-toluidine	97-56-3
o-toluidine,2-aminotoluene	95-53-4
2,4-xylidine	95-68-1
2,6-xylidine	87-62-7
Aromatic Amines (Others)	
4-chloro-o-toluidinium chloride	3165-93-3
2-Naphthylammoniumacetate	553-00-4
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7
2,4,5-trimethylaniline hydrochloride	21436-97-5
Organotin Compounds	
Tri-substituted organostannic compounds	Various
Dibutyltin (DBT) compounds	Various
Dioctyltin (DOT) compounds	Various
Phenylmercury Compounds	
Phenylmercury acetate	62-38-4
Phenylmercury propionate	103-27-5
Phenylmercury 2-ethylhexanoate	13302-00-6
Phenylmercury octanoate	13864-38-5
Phenylmercury neodecanoate	26545-49-3
PAH (Polycyclic Aromatic Hydrocarbons)	
Benzo[a]pyrene (BaP)	50-32-8
Benzo[e]pyrene (BeP)	192-97-2
Benzo[a]anthracene (BaA)	56-55-3
Chrysen (CHR)	218-01-9
Benzo[b]fluoranthene (BbFA)	205-99-2
Benzo[j]fluoranthene (BjFA)	205-82-3
Benzo[k]fluoranthene (BkFA)	207-08-9
Dibenzo[a,h]anthracene (DBAhA)	53-70-3
Flame Retardants	
Tris (2,3 dibromopropyl) phosphate	126-72-7
Tris(aziridinyl)phosphinoxide	545-55-1
Polybromobiphenyls, Polybrominatedbiphenyls PBB	
Diphenylether, octabromo derivative	

Bis(pentabromophenyl)ether (decabromodiphenyl ether; decaBDE)	1163-19-5
Tetrabromodiphenyl ether	40088-47-9
Pentabromodiphenyl ether	32534-81-97
Hexabromodiphenyl ether	36483-60-0
Heptabromodiphenyl ether	68928-80-3
1 Hexabromocyclododecane 'Hexabromocyclododecane' means: hexabromocyclododecane, 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers: alpha-hexabromocyclododecane; beta-hexabromocyclododecane; and gammahexabromocyclododecane	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8
Polychlorinated Biphenyls (PCB)	1336-36-3
Bis (2, 3-dibrom propyl) phosphate compound (TDBPP)	/
PIP (3:1) Phenol, isopropylated, phosphate (3:1)	68937-41-7
TCEP Tris(2 -chloroethyl) phosphate	115-96-8
TDCPPTris(1,3-dichloro-2-propyl) phosphate	13674-87-8
TCPP Tris (1-chloro-2-propyl) phosphate	13674–84–5
Antimony trioxide	1309–64–4
TBPH(Bis(2-Ethylhexyl)-3,4,5,6-tetrabromophthalate)	26040–51–7
TBB 2-EthylhexYl-2,3,4,5-tetrabromobenzoate	183658– 27–7
Tetrabromobisphenol A (TBBPA)	79-94-7
Allergenic and carcinogenic dyes	
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8
Benzenamine, 4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene)dianiline hydrochloride; C.I. Basic Red 9	569-61-9
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with ≥ 0,1 % of Michler's ketone (EC no. 202-027-5)	548-62-9
Acid Red 26	3761-53-3
Basic Violet 14	632-99-5
Blu Direct 6	2602-46-2
Red Direct 28	573-58-0
Black Direct 38	1937-37-7
Blu Disperse 1	2475-45-8
Yellow Disperse 3	2832-40-8
Orange Disperse 11	82-28-0
Yellow Disperse 23	6250-23-3
Orange Disperse 149	85136-74-9
Blu Disperse 3	2475-46-9
Direct Blue 28	2610-05-1
Blu Disperse 7	3179-90-6
Blu Disperse 26	3860-63-7
Blu Disperse 35	12222-75-2
Blu Disperse 102	12222-97-8
Blu Disperse 106	12223-01-7
Blu Disperse 124	61951-51-7
Brown Disperse 1	23355-64-8
Orange Disperse 1	2581-69-3
Orange Disperse 3	730-40-5
Orange Disperse 37/76	13301-61-6
Disperse Red 1	2872-52-8
Disperse Red 11	2872-48-2

Disperse Red 17	3179-89-3
Yellow Disperse 1	119-15-3
Yellow Disperse 3	2832-40-8
Yellow Disperse 9	6373-73-5
Yellow Disperse 39	12236-29-2
Yellow Disperse 49	54824-37-2
Pesticides	
DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane	50-29-3
Chlordane	57-74-9
Hexachlorocyclohexanes, including lindane	58-89-9, 319-84-6, 319-85-7, 608-73-1
Dieldrin	60-57-1
Endrin	72-20-8
Heptachlor	76-44-8
Endosulfan	115-29-7, 959-98-8, 33213-65-9
Hexachlorobenzene	118-74-1
Chlordecone	143-50-0
Aldrin	309-00-2
Pentachlorobenzene	608-93-5
Mirex	2385-85-5
Toxaphene	8001-35-2
Hexabromobiphenyl	36355-01-8
Hexachlorobutadiene	87-68-3
Polychlorinated naphthalenes	70776-03-3 and others
Phthalates	
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7
Dibutyl phthalate (DBP)	84-74-2
Benzyl butyl phthalate (BBP)	85-68-7
Diisobutyl phthalate	84-69-5
Bis(2-methoxyethyl) phthalate	117-82-8
Diisopentylphthalate	605-50-5
[Phthalato(2-)]dioxotrilead	69011-06-9
N-pentyl-isopentylphthalate	776297-69-9
Dipentyl phthalate (DPP)	131-18-0
Dihexyl phthalate	84-75-3
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68648-93-1
Dicyclohexyl phthalate DCHP	84-61-7
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6
1,2-Benzenedicarboxylic acid, dipentyl ester, branc	84777-06-0
1,2-Benzenedicarboxylic acid, dihexyl ester, branch	68515-50-4
1,2-Benzenedicarboxylic acid, di-C7-11-branched ar	68515-42-4
Diisohexyl phthalate	71850-09-4
diisooctyl phthalate	27554-26-3
Chlorinated Benzene and Toluene	
α, α,α,4-tetrachlorotoluene; pchlorobenzotrichlorid	5216-25-1
α, α,α-trichlorotoluene; benzotrichloride	98-07-7
α-chlorotoluene; benzyl chloride	100-44-7
Metals	
Cadmium	7440-43-9
Lead	7439-92-1
Chromium (VI)	Not available
Nickel	7440-02-0
Mercury	7439-97-6
Arsenic	7440-38-2
Barium	7440-39-3
Selenium	7782-49-2
Antimonium	7440-36-0

Asbestos	
Crocidolite	12001-28-4
Amosite	12172-73-5
Anthophyllite	77536-67-5
Actinolite	77536-66-4
Tremolite	77536-68-6
Chrysotile	12001-29-5, 132207-32-0
Other single substances	
Formaldehyde	50-00-0
Pentachlorophenol and its salts and esters	87-86-5
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8
Nonylphenol	25154-52-3
Nonylphenol ethoxylates	Various
Blue Colourant	CAS not available; EC Number 405-665-4
Dimethylfumarate	624-49-7
Vinyl chloride monomer	75-01-4
Benzene	71-43-2
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (N	872-50-4
N,N-dimethylacetamide (DMAC)	127-19-5
N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2
Quinoline	91-22-5
PCTP Pentachlorothiophenol	133-49-3
Malachite Green	
Malachite green	10309-95-2
Malachite green phosphotungstomolybdate	61725-50-6
Malachite green phosphomolybdate	68083-41-0
Malachite green chloride	569-64-2
Malachite green oxalate	2437-29-8
Malachite green oxalate	18015-76-4

PFAS group		
PFOS		
PFOS	(Perfluorooctane sulfonic acid and its derivatives (PFOS) C8F17SO2X (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers))	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7
PFOA		
PFOA	PFOA Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds 'Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds' means the following: (i) perfluorooctanoic acid, including any of its branched isomers; (ii) its salts; (iii) PFOA-related compounds which, for the purposes of the Convention, are any substances that degrade to PFOA, including any substances (including salts and polymers) having a linear or branched perfluoroheptyl group with the moiety (C7F15)C as one of the structural elements.	335-67-1
PFOA related (Any related substance (including its salts and polymers) means a linear or branched perfluoroheptyl group with the formula C7F15- directly attached to another		
8:2 FTMAC	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl methacrylate	1996-88-9
8:2 monoPAP	1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-, 1-(dihydrogen phosphate)	57678-03-2
8:2 diPAP	Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate	678-41-1
8:2 FTUCA	2-Decenoic acid, 3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-hexadecafluoro-	70887-84-2
C8-PFSi	Perfluorooctylethyldichloromethyl silane	3102-79-2
	Triethoxy(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)silane	101947-16-4
	Pentadecafluorooctyl fluoride	335-66-0
	Methyl perfluorooctanoate	376-27-2
	Ethyl perfluorooctanoate	3108-24-5
	Perfluorooctanoic anhydride	33496-48-9
8:2 FTI	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iododecane	2043-53-0
8:2 FTOH	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecan-1-ol	678-39-7
8:2 FTAC	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl acrylate	27905-45-9
H2PFDA	Decanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro	27854-31-5
PFMO	Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	62037-80-3
	1H,1H,2H-Perfluoro-1-decene	21652-58-4
PFPrOPrA	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid	13252-13-6
PFCA		
PFNA	Perfluorononan-1-oic acid	375-95-1
PFDA	Nonadecafluorodecanoic acid	335-76-2
PFUnDA	Henicosafluoroundecanoic acid	2058-94-8
PFDoDA	Tricosafluorododecanoic acid	307-55-1
PFTrDA	Pentacosafluorotridecanoic acid	72629-94-8
(PFTeDA	Heptacosafluorotetradecanoic acid	376-06-7
PF-3,7-DMOA	Perfluoro-3-7-dimethyloctanecarboxylate	172155-07-6

PFCA related (Linear and branched perfluorocarboxylic acids of the formula CnF2n +1-C(= O)OH where n = 8, 9, 10, 11, 12, or 13 (C9-C14 PFCAs), including their salts, and any		
10:2 FTOH	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecanol (10:2 FTOH)	865-86-1
12:2 FTOH	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafluorotetradecanol	39239-77-5
10:2 FTA	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl acrylate	17741-60-5
10:2 FTMA	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl methacrylate (10:2 FTMA)	2144-54-9
10:2 FTI	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-henicosafluoro-12-iodododecane	2043-54-1
12:2 FT	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-pentacosafluoro-14-iodotetradecane	30046-31-2
(10:2 FTSA	1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-	20226-60-0
8:2 FTOH	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecan-1-ol (8:2 FTOH)	678-39-7
4HPFUnA	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoroundecanoic acid	34598-33-9
Perfluorohexane-1-sulphonic acid (PFHxS) and its salts (List taken from AFIRM RSL 2023)		
PFHxS	Perfluorohexane Sulfonic acid	355-46-4
PFHxS-K	Perfluorohexane Sulfonic acid, potassium salt	3871-99-6
PFHxS-Li	Perfluorohexane Sulfonic acid, lithium salt	55120-77-9
PFHxS-NH4	Perfluorohexane Sulfonic acid, ammonium salt	68259-08-5
PFHxS-Na	Perfluorohexane Sulfonic acid, sodium salt	82382-12-5
PFHxS-related Substances (List taken from AFIRM RSL 2023)		
N-Me-FHxSA	N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4
PFHxSA	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1
Other PFC not regulated to monitor for future restrictions as target analysis		
(PFHpA	Perfluoroheptanoic acid	375-85-9
PFHxA	Undecafluorohexanoic acid and its inorganic salts	307-24-4
(PFBA	Heptafluorobutyric Acid	375-22-4
PFBS	Perfluorobutane sulfonic acid and its salts	29420-49-3
PFPA	Perfluorovaleric acid	2706-90-3
FOSA	Heptadecafluorooctanesulphonamide	754-91-6
PFDS	sodium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-henicosafluorodecane-1-sulfonate	2806-15-7
HPFHpA	2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoic acid	1546-95-8
PF-3,7-DMOA	Perfluoro-3,7-dimethyloctanoic acid	172155-07-6
1H,1H,2H,2H-PFOS	1H,1H,2H,2H-Perfluorooctanesulfonic acid	27619-97-2
PFHpS	1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulphonic acid	375-92-8
8-2 FTS	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecane-1-sulfonic acid	39108-34-4
FTOH 4:2	1H,1H,2H,2H-Perfluorohexan-1-ol	2043-47-2
FTOH 6:2	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol	17527-29-6
10:2 FTS	1-Dodecanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro	120226-60-0
4:2FTS	Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate	27619-93-8
C8- PFPA	Perfluorooctyl phosphonic acid	40143-78-0
6:2 FTMA	2-(Perfluorohexyl)ethyl methacrylate	2144-53-8
	Pentafluoropropionic acid	422-64-0

Additional Substances :

Substance Name	CAS Number
Other Phtalates	
diisononyl phthalate (DINP)	28553-12-0
	68515-48-0
diisodecyl phthalate (DIDP)	26761-40-0
	68515-49-1
di-n-octyl phthalate (DnOP)	117-84-0
Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7
DAP : Diallyl phthalate	131-17-9
DPHP: Di(2-Propyl Heptyl) phthalate	53306-54-0
TMAHPh: Tetramethylammonium hydrogen phthal	79723-02-7
DPhyP: Diphenylphthalate	84-62-8
15 PAH (Polycyclic Aromatic Hydrocarbons)	
Naphthalene	91-20-3
Phenanthrene	85-01-8
Anthracene	120-12-7
Fluoranthene	206-44-0
Pyrene	129-00-0
Benzo[a]anthracene	56-55-3
Chrysene	218-01-9
Benzo[b]fluoranthene	205-99-2
Benzo[k]fluoranthene	207-08-9
Benzo[j]fluoranthene	205-82-3
Benzo[e]pyrene	192-97-2
Benzo[a]pyrene	50-32-8
Dibenzo[a,h]anthracene	53-70-3
Indeno[1,2,3-cd]pyrene	193-39-5
Benzo[g,h,i]perylene	191-24-2
Other Pesticides	
Aldrin	309-00-2
Captafol	2425-06-1
Chlordan	57-74-9
DDT 50-29-3,	50-29-3, 789-02-6
Dieldrin	60-57-1
Endrine	72-20-8
Heptachlor	76-44-8
Hexachlorobenzene	118-74-1
α-Hexachlorocyclohexane	319-84-6
β-Hexachlorocyclohexane	319-85-7
γ -Hexachlorocyclohexane	319-86-8
2,4,5-T	93-76-5
Clordimeform	19750-95-9
Chlorobenzylate	510-15-6
Dinoseb and its salts	88-85-7
Monocrotofos	6923-22-4
Pentachlorophenol	87-86-5
Toxaphene	8001-35-2
Metamidofos	10265-92-6
Metil-Paration	298-00-0
Paration	56-38-2
Phosphamidone	13171-21-6