

DOLCE & GABBANA

November 5th, 2024

**RESTRICTED
SUBSTANCES LIST**



INDEX OF THE SECTIONS INCLUDED IN THIS DOCUMENT

SECTION	CONTENT
Introduction-Read Me	Field of application and Regulatory References
General Requirements	General requirements for Suppliers, not related to specific chemical restrictions but linked to obligation of communication or labelling of products for the presence of Dangerous substances e.g., Substances of California Proposition 65 or SVHC
pRSL	Table in the form of a synoptic matrix containing the chemical requirements, with parameter/substance, field of application, test method and legislative reference.
Substances List	List of substances with related CAS numbers
Children Apparel Physical	Flammability and physical-mechanical requirements and others related to safety from a physical-mechanical point of view for Children Apparel
Children Footwear Physical	Flammability and physical-mechanical requirements and others related to safety from a physical-mechanical point of view for Children Footwear
Children Jewelry	Flammability and physical-mechanical requirements and others related to safety from a physical-mechanical point of view for Children Jewelry
Adult Apparel Physical	Flammability and physical-mechanical requirements and others related to safety from a physical-mechanical point of view for Adult Apparel
Adult Footwear Physical	Flammability and physical-mechanical requirements and others related to safety from a physical-mechanical point of view for Adult Footwear

Scope

This document contains chemical restrictions (pRSL - Product Restricted Substance List) which according to the interpretation of laws and technical regulations, must be satisfied by the articles (and the materials that constitute them) intended for adult and children (all ages) uses:

- Clothing
- Accessories
- Footwear
- Jewelry (excluding electric and battery operated)

The chemical restrictions and physical-mechanical requirements taken into consideration for such protocol refer exclusively to the mandatory requirements in force in the following countries:

- Europe,
- USA,
- China,
- South Korea,
- Japan

provided that 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, FZ/T 81014, GB 31701, GB 30585, GB 25036, GB 25038, GB 28480
- South Korea
 - o With reference to legislation called Safety Quality Mark Act of the Quality Control and Safety Management of Industrial Products and the related annexes containing specific applicable requirements (Especially Annex I and III).
Supplier conformity safety standards-Annex 15 (Textile product for children), Annex I (leather product for children) and Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)
- substances subject to restriction according to the South Korean Law on Registration and Evaluation of Chemical Substances (K-REACH) • Japan
 - o With reference to the Legislation Act No.112 of 1973, Cabinet Order no. 144 of 2021, Cabinet Order No. 343 of 2023

With reference to legislation that does not impose a limit on the content of substances in articles for the purpose of placing them on the market (example: list of SVHC candidates for authorization under the REACH Regulation), our suggestion is to keep a reference in the documents that submit to your suppliers (see the sheet "General Requirements") in which

suppliers are asked not to use the substances, instead of indicating it as a reference in the table containing the chemical restrictions. For these substances, their presence in the finished articles must be in a concentration lower than the limit reported by the legislation (example: 0.1%).

GENERAL REQUIREMENTS

European Union

Please remember that every product (substance, mixture, or article) placed/supplied on the EU market is subject to the prescription of Regulation (EC) no. 1907/2006 (REACH) and, therefore, must comply with all applicable requirements of this regulation (including compliance with any restrictions of Annex XVII of REACH).

Products must comply with all requirements in force in the Member States in which they are marketed and with all REACH requirements.

SVHC substances (substances of very high concern) candidates for authorization must not be used in the manufacture of the articles supplied. Each component of the product must not contain substances from the Candidate List, SVHC, for authorization in concentrations higher than 0.1%. As the list of SVHC candidates for authorization is constantly updated, it is the responsibility of the supplier to ensure that the conditions mentioned above refer to the list of SVHCs in force at the time of supply.

List of substances of very high concern:

<https://echa.europa.eu/it/candidate-list-table>

A similar approach is also required in South Korea according to the list of substances reported in the Designation of Key Management Substances (MOE Notification No. 2018-233) - [#AJAX](http://law.go.kr/admRulLsInfoP.do?admRulSeq=2100000174533)

After a two-step regulatory process, SVHCs can be included in the authorization list (Annex XIV of REACH) and become subject to authorization. Such substances cannot be placed on the market or used after a certain date, unless an List of substances in Annex XIV:

<https://echa.europa.eu/it/authorisation-list>

Please note that a similar list is also available in the UK at the following links: UK REACH <https://www.hse.gov.uk/reach/index.htm> or UK REACH Substances of Very High Concern (SVHC) <https://www.hse.gov.uk/reach/svhc.htm> or List of UK REACH Annex 14 Authorizations <https://www.hse.gov.uk/reach/authorization-list.htm>

Pursuant to Regulation (EU) 2024/573 on fluorinated greenhouse gases, which amends Directive (EU) 2019/1937 and repeals Regulation (EU) no. 517/2014, we point out that fluorinated greenhouse gases (such as SF₆, HFC, PFC) must not be present on the final products.

Furthermore, the placing on the market of products and equipment containing substances controlled by Regulation (EU) No. 2024/590 is prohibited.

With reference to the Restriction in entry 78 of Annex XVII of REACH, it is suggested not to intentionally add microplastics such as glitter that may be released from articles covered by this document.

According to the provisions of Reg. (EU) No. 528/2012 relating to the use of biocides, it is specified that the use of biocides should be subject to authorization and the use of some active substances requires specific labelling.

FRANCE

COMMUNICATION OF THE PRESENCE OF CERTAIN ENDOCRINE DISRUPTORS - implementation of article L. 5232-5 of the French Public Health Code as amended by the AGECLAW: The French law AGECL 2020-105 on the fight against waste and the circular economy contained several requirements mainly relating to sustainability and the environment.

We refer to article L. 5232-5 of the French Public Health Code as amended by article 13 of AGECE law 2021-105. This recently implemented requirement covers communicating to consumers via electronic means the presence of certain endocrine disruptors, if greater than 0.1%.

In general, the scope of this requirement generally includes: all consumer products (substances, mixtures and articles, unless otherwise specified), food products (excluding medicinal products). The application date of the reporting obligations is 12 April 2024.

Following the publication of three enforcement orders in October 2023, lists of endocrine disruptors were introduced. These lists contain various substances, most of which are already listed as SVHCs in the ECHA Candidate List. Furthermore, the following two substances are not SVHC:

- Mancozeb - CAS: 8018-01-7 (Listed in Annex I, Table A (List of substances with proven and presumed endocrine disrupting properties, mentioned in Article I of Article L. 5232-5 of the Public Health Code) of the ordinance of September 28, 2023 which establishes the list of substances that present endocrine interference properties referred to in Article I and II of Article L. 5232-5 of the Public Health Code and the categories of products that present a particular exposure risk referred to in Article II of Article L. 5232-5 of the Public Health Code).
- Cholecalciferol (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 Public Health Code and subject to health recommendations due to their nutritional nature (vitamins, minerals) and their health benefits according to the precautions for use) of the ordinance of 28 September 2023 which establishes the list of substances having properties of endocrine interference referred to in Article I and II of Article L. 5232-5 of the Public Health Code and the categories of products presenting a particular risk of exposure referred to in II of Article L. 5232-5 of the Public Health Code public health).

Furthermore, according to the France Agec Law, the following substances must also be notified:

I. Diisooctyl phthalate (DIOP) - CAS: 27554-26-3

II. Resorcin - CAS: 108-46-3

To avoid communication and notification obligations, please do not use these substances in the materials provided.

USA and California

In the United States, all materials must comply with national laws and federal regulations. Among other state-specific requirements, note that California has a law called Proposition 65. Proposition 65 requires businesses to notify Californians of significant quantities of chemicals in the products they purchase, in their homes, or in their places of consumption, work, or that are released into the environment. The chemical substances to be notified are those present in the list published by the competent authority (this list contains more than 1000 substances known to be carcinogenic or harmful to reproduction). Substances on the California Proposition 65 list shall not be used in the production of the items supplied. Each component of the product must not contain substances in concentrations that would require notification of the presence of such substance (as specified by law) to the citizens of California (for example through labelling).

List of substances covered by California Proposition 65: <https://oehha.ca.gov/proposition-65/proposition-65-list>

Hexavalent chromium is among the chemicals known to the State to cause cancer, pursuant to Proposition 65 and it can be a substance not intentionally added/declared in the production process because Cr(VI) can naturally occur from the transformation of Cr(III) under certain conditions such as exposure to UV light, high temperatures, low humidity, high pH-values, or exposure to oxidizing agents during manufacturing processes, transportation, storage, etc. This means that in chrome-tanned leather where Cr (III) is added to the hides/skins, may contain/exposure consumers to Cr(VI) and this means that chromium tanned leather products requires California Prop. 65 warning. Alternatively, to eliminate or minimize the presence and potential formation of hexavalent chromium (CrVI) you must ask to your supplier to declare that the leather is produced pursuant to the Reformulation Protocol by a Certified Tannery. More information on this protocol is available at the following website:

https://www.prop65hexchromesettlement.com/_static/

Furthermore, in California the "California's Safer Consumer Product Regulation" came into force (October 1, 2013). The DTSC (Department of Toxic Substances Control) has published a list of candidate chemicals. These substances must not be used in the production of the items supplied (and must not be present as contaminants above the PQL practical quantification limit).

Global Ban of PFAS

Please note that some US states such as Maine and California are enforcing certain rules to notify and prohibit the presence of PFAS substances in certain products that contain intentionally added PFAS. There are also initiatives at Federal Level regarding PFAS in product covered by this document. In order to avoid the need for additional duties due to the presence of these substances, it is recommended not to use PFAS intentionally added to products.

ADDITIONAL GENERAL REQUIREMENTS FOR PRODUCTS INTENDED FOR CHILDREN - US State Regulations

Washington and Vermont Substances identified as "chemicals of high concern" (CHCC), according to Washington's "Children's safe product act" and Vermont's "Chemical Disclosure Program for Children's Products", should not be used in the manufacture of the articles provided. Each component of the product must not contain CHCC in concentrations above the PQL (Practical Limit of Quantification). Washington: <https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act/Chemicals-of-high-concern-to-children>. Vermont: <http://www.healthvermont.gov/enviro/chemical/cdp.aspx>.

Maine Substances identified as "chemicals of very high concern" (CHC), according to Maine's "Toxic Chemicals in Children's Products" should not be used in the manufacture of the items supplied. Each component of the product must not contain CHC in concentrations above the PQL (Practical Limit of Quantitation) or 100 ppm if present as a contaminant. <http://www.maine.gov/dep/safechem/>. Additionally, effective January 1, 2023, a manufacturer of a product for sale in the state that contains intentionally added PFAS cannot be used. <http://legislature.maine.gov/LawMakerWeb/summary.asp?ID=280080415>

In Oregon, there is a list of high priority chemicals under the Toxic-Free Kids Act that includes chemicals of great concern to children (CHCC). These substances must not be present in quantities equal to or greater than the "de minimis level".

<https://public.health.oregon.gov/HealthyEnvironments/HealthyNerestehoods/ToxicSubstances/Pages/Toxic-Free-Kids.aspx>.

PRODUCT RESTRICTED SUBSTANCES LIST (pRSL)

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Aromatic Amines	Textile: 20 mg/kg Leather: 30 mg/kg	x	x							<p align="center">EU Textile: EN 14362-1&EN 14362-3 Leather: ISO 17234-1&ISO 17234-2</p> <p align="center">China Textile: GB/T 17592 &GB/T 23344 Leather: GB/T 19942</p> <p align="center">South Korea KS K 0147, KS K 0734</p> <p align="center">Japan JIS L 1940</p>	<p align="center">Europe Textile and Leather: Annex XVII of Reach Regulation (EC) 1907/2006 entry 43</p> <p align="center">China GB 20400 GB 25036 GB 25038 GB 18401 FZ/T 81014 GB 30585</p> <p align="center">South Korea -Annex I and Annex 3 of Safety Standards for Household Products subject to Safety Standards -Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)</p> <p align="center">Japan Textile and Leather: Act No.112 of 1973</p>
Aromatic Amines (others)	Textile: 30 mg/kg	x									<p align="center">Europe -Annex XVII of Reach Regulation (EC) 1907/2006 entry 72</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Formaldehyde and Formaldehyde-releasing substances	<p>Textile and Leather: 75 mg/kg (adult). 16 mg/kg (children under 3 years).</p> <p>Not in contact with skin: 300 mg/kg.</p> <p>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.</p>	x	x							<p>EU Textile: ISO 14184-1 Leather: ISO 17226-1 & ISO 17226-2 For emission: Appendix 14 of REACH Regulation</p> <p>Japan Act No.112 of 1973</p> <p>China Textile: GB/T 2912.1 Leather: GB/T 19941</p> <p>South Korea Textile: KS ISO 14184-1 Leather: KS M ISO 17226, KS K 0611</p>	<p>Europe Textile and Leather: Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 and entry 77 (from 2026)</p> <p>China GB 20400 GB 25036, GB 25038 GB 18401 FZ/T 81014 GB 30585</p> <p>Japan Act No.112 of 1973</p> <p>South Korea -Annex I and Annex 3 of Safety Standards for Household Products subject to Safety Standards -Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Organotin Compounds	<p>For Children < 0,5 mg/kg (TBT)(TPhT) (TBTO) < 1 (DBT) (DOT);</p> <p>For Adult: < 1,0 mg/kg (TBT)(TPhT) (TBTO) <2,0 mg/kg (DBT) (DOT)</p>	x	x	x	x			x	x	<p>Europe and Japan ISO/TS 16179 or EN ISO 22744-1</p> <p>South Korea KS K 0737</p>	<p>Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 20</p> <p>Japan -Act No.112 of 1973</p> <p>South Korea -Annex I and Annex III of Annex 3 Safety Standards for Household Products subject to Safety Standards -Safety standards for children's products subject to confirmation of conformity with suppliers with individual safety standards - Annex 15 (textile for children) and Annex 1 (leather for children); -Common Safety Standards for Children's Products -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)</p>
Phenylmercury Compounds	0,01% (by weight of mercury)	x	x	x	x			x	x	<p>Textile and wood: CPSC-CH-E1002-08 EN 16711-1</p> <p>Leather: EN 17072-2 or CPSC-CH-E1002- 08</p> <p>Plastic: CPSC-CH-E1002-08</p> <p>Surface Coatings: CPSC-CH-E1003-09</p>	<p>Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 62</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Cadmium	<p>For Adult: 75 mg/kg</p> <p>For Children: 40 mg/kg</p>	x (if synthetic)	x (if synthetic)	x	x	x	x	x	x	<p>Textile: CPSC-CH-E1002-08 EN 16711-1</p> <p>Leather: EN 17072-2 or CPSC-CH-E1002-08</p> <p>Metal: CPSC-CH-E1001-08 or GB/T 28020 and GB/T 28021</p> <p>Plastic: CPSC-CH-E1002-08 or EN 1122</p> <p>Surface Coatings: CPSC-CH-E1003-09</p>	<p>Europe -Annex XVII of Reach Regulation (EC) 1907/2006 entry 23</p> <p>USA -Minnesota Chapter 60, House File 2310 – Environment, Natural Resources, Climate, and Energy Omnibus Bill State legislation Washington: Children’s Safe Products Act Part 1 (RCW 70.240.020)</p> <p>China GB 31701 GB 30585 GB 20400 GB 28480</p> <p>South Korea -Annex I of Safety Standards for Household Products subject to Safety Standards Annex 15 (textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Lead	<p>For Adult: 90 mg/kg</p> <p>For Children: 40 mg/kg</p>	x	x	x	x	x	x	x	x	<p>Textile and wood: CPSC-CH-E1002-08EN 16711-1</p> <p>Leather: EN 17072-2 or CPSC-CH-E1002-08</p> <p>Metal: CPSC-CH-E1001-08 or GB/T 28020 and GB/T 28021</p> <p>Plastic: CPSC-CH-E1002-08</p> <p>Surface Coatings: CPSC-CH-E1003-09</p> <p>China GB/T 30157 QB/T 4340</p> <p>South Korea Voluntary Safety Confirmation Annex 35 (How to lead testing of children's jewellery)</p>	<p>Europe -National Legislation (Denmark) -Annex XVII of Reach Regulation (EC) 1907/2006 entry 63</p> <p>USA -Minnesota Chapter 60, House File 2310 – Environment, Natural Resources, Climate, and Energy Omnibus Bill -Illinois Lead Poisoning Prevention Act -State legislation Washington: Children's Safe Products Act Part 1 (RCW 70.240.020) ASTM F2923</p> <p>China GB 31701 GB 30585 GB 28480</p> <p>South Korea -Annex I of Safety Standards for Household Products subject to Safety Standards -Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)</p>
Arsenic	<p>For Children: 100 mg/kg only for footwear</p>	x	x	x	x	x	x	x	x	<p>QB/T 4340</p>	<p>China GB 30585</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Chromium (VI)	<p>For Adult: 3 mg/kg</p> <p>For Children: 0.5 mg/kg (under 3 years)</p> <p>As total content in metal jewellery: 1000 mg/kg.</p> <p>See also the section General Requirements for specific note on the requirements for California Proposition 65 for leather products treated with Chromium tannery Agents</p>		x							<p>Europe ISO 17075-2 after aging condition according to ISO 10195</p> <p>South Korea KS M 6902 KS K ISO 17075</p> <p>China QB/T 22807</p>	<p>Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 47</p> <p>South Korea -Annex 3 of Safety Standards for Household Products subject to Safety Standards</p> <p>China GB 25036 GB 25038 GB 30585</p>
Pentachlorophenol and its salts and esters	<p>Textile and synthetic: 0,5 mg/kg</p> <p>Leather: 1 mg/kg</p>	x (if natural)	x (if real leather)				x	x	x	<p>Leather: ISO 17070</p> <p>Textile, paper, wood: UNI 11057, LFGB 64 B 82.02-8:2001 or EN 17134-2</p> <p>South Korea KS K 0733</p> <p>China GB/T 18414. 1 &.2</p>	<p>Europe - Regulation 2019/2021 (POP) -UNI/TR 11359</p> <p>South Korea -Annex 3 of Safety Standards for Household Products subject to Safety Standards</p> <p>China GB 25036 GB 25038 GB 28480</p>
Pentachlorophenol and its salts and esters and Tetrachlorophenol (TeCP)	<p>Textile and synthetic: 0,5 mg/kg</p> <p>Leather: 1 mg/kg</p>	x (additional)	x (mandatory on synthetic leather of footwear)							<p>South Korea KS K 0733</p> <p>China GB/T 18414. 1 &.2</p>	<p>Europe -Regulation 2019/2021 (POP) -UNI/TR 11359</p> <p>South Korea -Annex 3 of Safety Standards for Household Products subject to Safety Standards</p> <p>China GB 25036 GB 25038</p>

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
PAH (Polycyclic Aromatic Hydrocarbons)	1 mg/kg (each substance)	x (If made of synthetic organic polymer, e.g., polyester)		x	x (If made of synthetic organic coating)					AfPS GS 2019:01 PAK EN 17132	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 50 and 72
Flame Retardants	hexabromocyclododecane < 75 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	x	x							South Korea The test of PBB, PentaBDE, OctaBDE is in accordance with IEC 6232. TDBPP (TRIS) safety checks Annex 4.A (infant textile products flame retardant methods tested) to follow. Other Countries: ISO 17881(1 and 2) or GB/T 24279	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 South Korea - Annex I and Annex 3 of Safety Standards for Household Products subject to Safety Standards USA TSCA Various USA Countries
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	1000 mg/kg	x	x (if synthetic)	x						Leather: EN ISO 18219-1; Textile: EN ISO 22818	Europe Regulation 2019/2021 (POP)
PCTP Pentachlorothiophenol	ND (Detection Limit)			x						Solvent Extraction and GCMS	USA TSCA
Nonylphenol	Children: 100 mg/kg Adult: 1000 mg/kg	x	x							Textile: ISO 21084 Leather ISO 18218-2	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 46 South Korea Safety standards for children's products-Annex I Annex 15 of Supplier conformity safety standards (children textile)

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Nonylphenol ethoxylates	Textile: 100 mg/kg Leather: 1000 mg/kg	x	x							Textile: ISO 18254-1 Leather ISO 18218-1	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 46 and 46.a South Korea Safety standards for children's products-Annex I Annex 15 of Supplier conformity safety standards (children textile)
Blue Colourant	1000 mg/kg (additional requirement)	x	x							DIN 54231	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 43
Dyes (carcinogenic and allergenic)	ND (Detection Limit)	x	x							DIN 54231	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 -National legislation (such as: Germany) -UNI/TR 11359
Asbestos	ND (Detection Limit)	x								X-ray diffractometer or declaration of non-use	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 6 South Korea Common Safety Standard for children Products
pH	Textile: 4,0-7,5 (contact with Skin) 4.0-9.0 (not contact with the skin) Leather: Chrome-tanned: 3.2 – 5.5 Other: 3.5 – 7.5	x	x							Textile: ISO 3071 Leather: EN ISO 4045 GB/T 7573 South Korea KS ISO 3071	Europe: UNI/TR 11359 China Textile: GB18401 South Korea Textile: Annex I a of Safety Standards for Household Products subject to Safety Standards

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Dimethyl fumarate	0.1 mg/kg	x	x							ISO 16186 EN 17130 South Korea -Annex I and Annex 3 of Safety Standards for Household Products subject to Safety Standards -Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards China GB 30585	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 61 South Korea -Annex I and Annex 3 of Safety Standards for Household Products subject to Safety Standards
Pesticides	ND (Detection Limit)	x (if natural)	x (if real leather)							US EPA 8081 + US EPA 8141 + US EPA 8151	Europe Regulation 2019/2021 (POP) USA TSCA: Toxic Substances Control Act (TSCA) Japan -Act112 of 1973

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Nickel	parts intended to come into direct and prolonged contact with the skin <0.5 µg/cm ² /week; pierced ears and other pierced parts of the human body < 0,2 µg/cm ² /week (migration limit);					x				EN 1811+ EN 12472 South Korea -Annex 35.B (Children's Accessories - Nickel Dissolution Amount) or Dissolution According to Supplier Conformity Confirmation Annex 11.B (Children's Accessories - Nickel Dissolution).	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 27 South Korea -Annex I and 3 of Safety Standards for Household Products subject to Safety Standards -Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Phthalates	Sum 1000 mg/kg			x (if plasticized) (NOTE 1)	x (if plasticized) (NOTE 1)					<p>USA CPSC-CH-C1001-09</p> <p>EU EN 14389 or ISO 8124-6</p> <p>China GB/T 20388 ISO/TS 16181</p> <p>South Korea voluntary safety check safety standards Annex 35 (Method phthalate plasticizer test of children's jewellery) or Content of phthalate-based plasticizers According to the supplier's confirmation of conformity Annex 11.C (Children's accessories - phthalate-based plasticizers).</p>	<p>Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entries 51.3 and 72 and CMR Listed in Annex VI of Regulation 1272/2008</p> <p>South Korea -Common safety standards for children Products Annex I and 3 of Safety Standards for Household - -Products subject to Safety Standards Annex 15(textile for children) and Annex 1 (leather product for children) of Supplier conformity safety standards -Annex I of product subject to Safety verification (textile products for infants and toddlers under 36 months of age)</p> <p>China GB 31701 GB 30585</p> <p>USA CPSIA National Legislation ASTM F2923</p>
Vinyl chloride monomer	5 mg/kg			x (PVC Artificial Leather)						GB/T 4615	China -GB 21550
Soluble lead	90 mg/kg			x (PVC Artificial Leather)						GB 21550	China -GB 21550
Soluble cadmium	75 mg/kg			x (PVC Artificial Leather)						GB 21550	China -GB 21550
Volatile matter	20 g/m ²			x (PVC Artificial Leather)						GB 21550	China -GB 21550

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
PFOS (see the list in PFAS list sheet)	1 µg/m ² 25 ppb is the new proposed limit for PFOS and 1000 ppb for PFOS related. We suggest to verify compliance also according to this new proposed limits.	x (If coating treatment for water/oil repellent effect is present)	x (If coating treatment for water/oil repellent effect is present)							Textile: prEN 17681-1:2023 Leather: ISO 23702-1	Europe -Regulation 2019/2021 (POP)
PFOA and PFOA related substances	25 ppb for PFOA and 1000 ppb for PFOA related substances	x (If coating treatment for water/oil repellent effect is present)	x (If coating treatment for water/oil repellent effect is present)							Textile: prEN 17681-1:2023 Leather: ISO 23702-1	Europe -Regulation 2019/2021 (POP) Japan -Cabinet Order no. 144 of 2021
PFCA and PFCA related substances	25 ppb for PFCA and 260 ppb for PFCA related substances	x (If coating treatment for water/oil repellent effect is present)	x (If coating treatment for water/oil repellent effect is present)							Textile: prEN 17681-1:2023 Leather: ISO 23702-1	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 68
PFHxS and PFHxS related substances	25 ppb for PFHxS and 1000 ppb for PFHxS related substances	x (If coating treatment for water/oil repellent effect is present)	x (If coating treatment for water/oil repellent effect is present)							Textile: prEN 17681-1:2023 Leather: ISO 23702-1	Europe -Regulation 2019/2021 (POP) Japan -Cabinet Order No. 343 of 2023
Mercury	Wood: ND (<10 mg/kg) Metal of Jewellery: 1000 mg/kg					x	x			EU: Wood: ICP-OES China GB/T 28020	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 18 China GB 28480

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
										GB/T 28021	
Arsenic	ND (<10 mg/kg) Metal of Jewellery: 1000 mg/kg					x			x	EU: Wood: ICP-OES China GB/T 28020 GB/T 28021	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 19 China GB 28480
Lead (Extractable)	For Adult: 1 mg/kg For Children: 0,2 mg/kg	x								EN 16711-2 China GB/T 17593.1 GB/T 17593.2 GB/T 17593.4	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China FZ/T 81014 GB 25038 GB 25036
Cadmium (Extractable)	1 mg/kg Footwear: 0.1 mg/kg	x								EN 16711-2 China GB/T 17593.1 GB/T 17593.2 GB/T 17593.4	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China GB 25038 GB 25036
Chromium VI (Extractable)	1 mg/kg	x								EN ISO 17075-1, EN ISO 17075-2 (in case of interferences as confirmation method)	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72
Chromium (Extractable)	1 mg/kg (Only for children under 3 years)	x								GB/T 17593.1&2	China FZ/T 81014
Arsenic (Extractable)	For Adult: 1 mg/kg For Children: 0,2 mg/kg	x								EN 16711-2 China GB/T 17593.1&2 GB/T 17593.1	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 China

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
										GB/T 17593.2GB/T 17593.4	FZ/T 81014 GB 25038 GB 25036
Mercury (Extractable)	0,02 mg/kg (Only for children under 3 years)	x								China GB/T 17593.4	China FZ/T 81014
Copper (Extractable)	25 mg/kg (Only for children under 3 years)	x								GB/T 17593.1&2	China FZ/T 81014
Benzene	5 mg/kg			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)					For general VOC screening: GC/MS headspace 45 minutes at 120 degrees C	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (NMP)	1000 mg/kg			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)					ISO 19070	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72 and substances listed under SVHC of Candidate List
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	x								DIN 54231	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72
Chlorinated Benzenes and Toluenes	1 mg/kg each substances	x (especiall y synthetic)								EN 17137	Europe - Annex XVII of Reach Regulation (EC) 1907/2006 entry 72
Malachite Green	0,10%	x								DIN 54321	South Korea K-REACH Restricted substance list

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
Total Organic Fluorine	100 mg/kg from 2025 and 50 mg/kg from 2027	x (If coating treatment for water/oil repellent effect is present)	x (If coating treatment for water/oil repellent effect is present)		x (If coating treatment for water/oil repellent effect is present)					CIC, Chemical Combustion and Ion Chromatography: EN 14582 or ASTM D7359	Europe - REACH Restriction Proposal USA -TSCA, CPSC Proposal and Various US State Requirements such as California
Mineral Oil Aromatic Hydrocarbons (MOAH) consisting of 1 to 7 aromatic cycles. Mineral Oil Saturated hydrocarbons (MOSH) consisting of 16 to 35 carbon atoms	From 1st January 2025: - For MOAH: ≤ 0,1% in the inks, ≤ 1 mg/Kg in the inks for MOAH with 3 to 7 aromatic cycles. -For MOSH: ≤ 0,1 % in the inks. Note: Other limits are applicable for paper items such as advertising prospectus letters, if made of paper and unsolicited catalogs aimed at commercial promotion, if made of paper								x (Ink applied on printed paper)	Internal Method (e.g., GC-FID)	Europe France: Order of 13 April 2022
Antimony (Migration)	60 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x				South Korea KS ISO 8424-3 China GB/T 28021USAASTM F963	South Korea Common safety standard of children products China GB 28480USAASTM F2923 and ASTM F2999
Arsenic (Migration)	25 mg/kg			x	x	x					

Substances/ Parameters	Limits	Field of application								Testing Methods	Countries/References
		Textile	Leather	Polymers, Plastics, Foams, Natural Rubber & Synthetic Rubber (Note 3)	Surface coatings / applied paints (NOTE 2)	Metal	Wood	Glass/ Natural material	Paper/ Paper board		
	(Only for children under 3 years and metal jewellery)										
Barium (Migration)	1000 mg/kg (only for children under 3 years and metal jewellery)			x	x	x					
Cadmium (Migration)	75 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x					
Chromium (Migration)	60 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x					
Lead (Migration)	90 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x					
Mercury (Migration)	60 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x					
Selenium (Migration)	500 mg/kg (Only for children under 3 years and metal jewellery)			x	x	x					
N-Nitrosamines	N-Nitrosamines: 0.5 mg/kg for footwear for adult and children			x (Rubber and elastomeric materials)						GB/T 24153	China GB 25038 GB 25036 GB 20585

Note 1

Plasticized Material definition according Entry 51 of Annex XVII of REACH: ‘plasticized 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.

Note 3

Examples of materials covered are: Ethylene vinyl acetate (EVA), Polystyrene (PS), Polyethylene (PE), Acrylonitrile butadiene styrene (ABS), Neoprene, Polypropylene (PP), Polycarbonate (PC), Polyamide (PA), Polyurethane (PU), Polyvinyl chloride (PVC), Thermoplastic polyurethane (TPU), Thermoplastic elastomer (TPE), Styrene ethylene butylene styrene (SEBS).

SUBSTANCES LIST

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-diaminoanisoole sulphate	39156-41-7

2,4,5-trimethylaniline hydrochloride	21436-97-5
Organotin Compounds	
Tri-substituted organostannic compounds	Various
Dibutyltin (DBT) compounds	Various
Diocetyl tin (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)phosphin oxide	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	25637-99-4, 3194-55-6, 134237-50-6,

main diastereoisomers: alpha-hexabromocyclododecane; beta-hexabromocyclododecane; and gamma-hexabromocyclododecane	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- dienyliidenemethylene)dianiline hydrochloride; C.I. Basic Red 9	569-61-9
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with $\geq 0,1$ % 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
Chlorinated Benzene and Toluene	
α , α , α ,4-tetrachlorotoluene; pchlorobenzotrichloride	5216-25-1
α , α , α -trichlorotoluene; benzotrichloride	98-07-7
α -chlorotoluene; benzyl chloride	100-44-7
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
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 (NMP)	872-50-4
N,N-dimethylacetamide (DMAC)	127-19-5
N,N-dimethylformamide; dimethylformamide (DMF)	68-12-2
Quinoline	91-22-5
PCTP Pentachlorothiophenol	133-49-3

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 $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ 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, branched and linear	84777-06-0
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
Diisohexyl phthalate	71850-09-4
diisooctyl phthalate	27554-26-3
diisononyl phthalate (DINP)	28553-12-0 (specific for children and footwear)
	68515-48-0 (specific for children and footwear)
diisodecyl phthalate (DIDP)	26761-40-0 (specific for children and footwear)
	68515-49-1 (specific for children and footwear)
di-n-octyl phthalate (DnOP)	117-84-0 (specific for children and footwear)
Nitrosamines	
N-Nitrosodiethylamine	62-75-9
N-Nitrosodibutylamine	55-18-5
N-Nitrosopiperidine	621-64-7
N-Nitrosopyrrolidine	924-16-3
N-Nitrosomorpholine	100-75-4
1-Nitrosopyrrolidine	930-55-2
Nitrosomorpholine	59-89-2
N-Nitroso-N-methylaniline	614-00-6
N-Nitroso-N-ethylaniline	612-64-6

PFAS group (Note: Capabilities may vary depending on the lab in the absence of an exhaustive list of substances)		
Abbreviation	Substances Name	CAS number
PFOS		
PFOS	(Perfluorooctane sulfonic acid and its derivatives (PFOS) and salts	1763-23-1
		2795-39-3
		29457-72-5
		29081-56-9
		70225-14-8
		56773-42-3
		251099-16-8
PFOS related		
N-Et-FOSA	N-ethylperfluoro-1-octanesulfonamide	4151-50-2
N-Me-FOSA	N-methylperfluoro-1-octanesulfonamide	31506-32-8
N-Et-FOSE	(N-ethylperfluoro-1-octanesulfonamido) -ethanol	1691-99-2
N-Me-FOSE	(N-methylperfluoro-1-octanesulfonamido) -ethanol	24448-09-7
POSF	Perfluoro-1-octanesulfonyl fluoride	307-35-7
FOSA	Heptadecafluorooctanesulfonamide	754-91-6
PFOA		
PFOA	<p>PFOA Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds</p> <p>'Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds' means the following:</p> <p>(i) perfluorooctanoic acid, including any of its branched isomers;</p> <p>(ii) its salts;</p> <p>(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.</p>	<p>335-67-1</p> <p>335-66-0 (PFOA Salt Pentadecafluorooctyl fluoride)</p>

<p>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. The following compounds are not included as PFOA-related compounds: (i) C8F17-X, where X = F, Cl, Br; (ii) fluoropolymers that are covered by CF3[CF2]n-R’, where R’=any group, n > 16; (iii) perfluoroalkyl carboxylic acids (including their salts, esters, halides and anhydrides) with ≥ 8 perfluorinated carbons; (iv) perfluoroalkane sulfonic acids and perfluoro phosphonic acids (including their salts, esters, halides and anhydrides) with ≥ 9 perfluorinated carbons; (v) perfluorooctane sulfonic acid and its derivatives (PFOS), as listed in this Annex.</p>		
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	Perfluorooctylethyl dichloromethyl 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
	Methyl perfluorooctanoate	376-27-2
	Ethyl perfluorooctanoate	3108-24-5
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 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
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
PFCA		
PFNA	Perfluorononan-1-oic acid	375-95-1
PFDA	Nonadecafluorodecanoic acid	335-76-2
PFUnDA	Henicosaf fluoroundecanoic acid	2058-94-8
PFDoDA	Tricosaf fluorododecanoic acid	307-55-1
PFTrDA	Pentacosaf fluorotridecanoic acid	72629-94-8

(PFTeDA	Heptacosaf fluorotetradecanoic acid	376-06-7
PF-3,7-DMOA	Perfluoro-3-7-dimethyloctanecarboxylate	172155-07-6
<p>Any C9-C14 PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- directly attached to another carbon atom, where n = 8, 9, 10, 11, 12, or 13, including their salts and any combinations thereof; Any C9-C14 PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- that it is not directly attached to another carbon atom, where n = 9, 10, 11, 12, 13 or 14 as one of the structural elements, including their salts and any combinations thereof.</p> <p>The following substances are excluded from this designation</p> <ul style="list-style-type: none"> - $C_nF_{2n+1}-X$, where X = F, Cl, or Br <p>where n = 9, 10, 11, 12, 13 or 14, including any combinations thereof,</p> <ul style="list-style-type: none"> - $C_nF_{2n+1}-C(=O)OX'$ where n > 13 and X'=any group, including salts. 		
10:2 FTOH	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosaf fluorododecanol (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-pentacosaf fluorotetradecanol	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-henicosaf fluorododecyl 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-henicosaf fluorododecyl 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-henicosaf fluoro-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-pentacosaf fluoro-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-henicosaf fluoro-	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
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-henicosaf fluoro	120226-60-0
Perfluorohexane-1-sulphonic acid (PFHxS) and its salts (List taken from AFIRM RSL 2024)		
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 2024)		
N-Me-FHxSA	N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA)	68259-15-4

PFH _x SA	Perfluorohexane sulfonamide (PFH _x SA)	41997-13-1
PFH_xA and its salts		
PFH _x A	Undecafluorohexanoic acid and its inorganic salts	307-24-4
FTOH 6:2	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctan-1-ol	647-42-7
	2-(Perfluorohexyl)ethyl methacrylate	2144-53-8
FTA 6:2	1H,1H,2H,2H-Perfluorooctyl acrylate	17527-29-6
PFH _x A-NH ₄	azane,2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid (determined as PFH _x A)	21615-47-4
1H,1H,2H,2H-PFOS	1H,1H,2H,2H-Perfluorooctanesulfonic acid	27619-97-2

CHILDREN APPAREL PHYSICAL MECHANICAL-FLAMMABILITY

TEST DESCRIPTION	TEST METHOD	REQUIREMENT	LEGAL REFERENCE
Small parts for apparel and textile accessories	CEN TS 17394-1, EN 17394-2, CEN TS 17394-3, CEN TS 17394-4	0-36 months (98 cm) The removal force for buttons and metal snaps shall be not less than 70 N when the largest dimension of the component is ≥ 6 mm, and not less than 50 N when ≥ 3 mm and < 6 mm. For all other components no detachment after washing test according to CEN TS 17394-4.	EU: General Product Safety Regulation (GPSR) 988/2023.
Small parts for apparel and textile accessories	UNE 40902	0-36 months (98 cm) The removal force of rigid grippable components > 3 mm for infant between 0 and 6 months shall be not less than 50 N. The removal force of grippable components for infant between 6 and 36 months shall be not less than 70 N when the largest dimension of the component is ≥ 6 mm, and not less than 50 N when > 3 mm and < 6 mm. For all other components no detachment after washing test according to UNE CEN TR 16792 Annex C or 5 washing cycles according to ISO 6330.	SPAIN: General Product Safety Regulation (GPSR) 988/2023.
Small parts for apparel, textile accessories and footwear	16 CFR Parts 1501	Destination age ≤ 18 months: Impact 3.0 feet (0.92 m); flexure 10 lbs (4.55 kg); torque 2 inch•pound / 180° (2.3 kg•cm / 180°); tension 10 lbs / 10 sec (4.55 kg / 10 sec); compression 20 lbs / 10 sec (9.1 kg / 10 sec). Destination age $> 18 \leq 36$ months: impact 4.5 feet (1.37 m); flexure 15 lbs (6.8 kg); torque 3 inch•pound / 180° (3.46 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 25 lbs / 10 sec. (11.4 kg / 10 sec).	USA: CPSC recalls
Small parts for apparel and textile accessories	GB 31701	0-36 months (100 cm) The removal force of grippable components shall be not less than 70 N when the largest dimension of the component is ≥ 6 mm, and not less than 50 N when ≥ 3 mm and < 6 mm. For all other components no detachment after washing test according to GB/T 8629.	China: GB 31701
Small parts for apparel, textile accessories and footwear	ISO 8124-1	0-36 months The removal force of grippable components shall be not less than 50 N. For all other components no detachment after washing test according to ISO 6330.	Korea Safety Confirmation Act
Small parts for apparel, textile accessories and footwear	ISO 8124-1	> 36 months up to 72 months The removal force of grippable components shall be not less than 50 N. For all other components no detachment after washing test according to ISO 6330. In case of small parts report a warning.	Korea Safety Confirmation Act
Sharp edges and Sharp point for apparel and textile accessories	CEN TR 16792	0-14 years No sharp points, no sharp edges (visual and tactile inspection)	EU: General Product Safety Regulation

			(GPSR) 988/2023.
Sharp edges and Sharp point for apparel and textile accessories	UNE 40902	0-36 months (98 cm) No sharp points, no sharp edges UNE 40902	SPAIN: General Product Safety Regulation (GPSR) 988/2023.
Sharp edges and Sharp point for apparel, textile accessories and footwear	16 CFR Parts 1500.48 16 CFR Parts 1500.49	Destination age ≤ 18 months: impact 3.0 feet (0.92 m); flexure 10 lbs (4.55 kg); torque 2 inch•pound / 180° (2.3 kg•cm / 180°); tension 10 lbs / 10 sec (4.55 kg / 10 sec); compression 20 lbs / 10 sec (9.1 kg / 10 sec). Destination age > 18 ≤ 36 months: impact 4.5 feet (1.37 m); flexure 15 lbs (6.8 kg); torque 3 inch•pound / 180° (3.46 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 25 lbs / 10 sec. (11.4 kg / 10 sec). Destination age > 36 ≤ 96 months: impact 3.0 feet (0.92 m); flexure 15 lbs (6.8 kg); torque 4 inch•pound / 180° (4.60 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 30 lbs / 10 sec. (13.6 kg / 10 sec)	USA: CPSC recalls
Sharp edges and Sharp point for apparel and textile accessories	GB 31701	0-14 years No sharp points, no sharp edges GB/T 31702	China: GB 31701
Sharp edges and Sharp point for footwear	GB 30585	0-14 years No sharp points, no sharp edges according to 5.8 and 5.9 of GB 6675.2-2014	China: GB 30585
Sharp edges and Sharp point for apparel, textile accessories and footwear	ISO 8124-1	0-36 months No sharp points, no sharp edges ISO 8124-1	Korea Safety Confirmation Act
Sharp edges and Sharp point for apparel, textile accessories and footwear	ISO 8124-1	> 36 months up to 72 months No non-functional sharp points, no non-functional sharp edges ISO 8124-1. If functional sharp point or functional sharp edges are present report a warning.	Korea Safety Confirmation Act
Drawstring, cords, loop, adjusting tabs, etc. for apparel and some textile accessories	EN 14682	0-14 years Shall be in compliance with the requirements.	EU: General Product Safety Regulation (GPSR) 988/2023.

Drawstring, cords, loop, adjusting tabs, etc. for footwear	UNE 59300	Up to size 34 included Shall be in compliance with the requirements. Shoes laces maximum length -270 mm up to size 18 - 300 mm from 19 to 24 -320 mm from 25 to 34	SPAIN: General Product Safety Regulation (GPSR) 988/2023.
Drawstring, cords, loop, adjusting tabs, etc. for children's upper outerwear (Federal) for all clothing NY and Wisconsin	16 CFR Part 1120ASTM: F1816 Standard Safety Specification for Drawstrings on Children's Upper Outerwear Dangerous Clothing Articles New York Law (NY CLS Gen. BUS 391.b) Banned Toys and Children's Articles Wisconsin State Law (ATCP 139.055)	0-16 years Shall be in compliance with the requirements.	16 CFR Part 1120 New York Law (NY CLS Gen. BUS 391.b) Wisconsin State Law (ATCP 139.055)
Drawstring, cords, loop, adjusting tabs, etc. for apparel and some textile accessories	GB 31701	0-14 years Shall be in compliance with the requirements.	China: GB 31701
Drawstring, cords, loop, adjusting tabs, etc. for apparel and some textile accessories	EN 14682	0-14 years Shall be in compliance with the requirements.	Korea Safety Confirmation Act
Drawstring, cords, loop, adjusting tabs, etc. for apparel and some textile accessories	JIS L4129	0-14 years Shall be in compliance with the requirements.	Japan (strongly recommended)
Flammability Children & Adults Clothing	ASTM D1230	Children & Adults Clothing The flame spread over 127 mm may not be shorter than 4 seconds.	Netherlands: Dutch Clothing Association agreements with the

			government. General Product Safety Regulation (GPSR) 988/2023.
Flammability Children & Adults Clothing	ASTM D1230 KOVFS 1985:5	Children & Adults Clothing The flame spread over 127 mm shall be more than 5 seconds.	Sweden recommended KOVFS 1985:5 General Product Safety Regulation (GPSR) 988/2023.
Flammability Children	ASTM D1230	Children & Adults Clothing Clothing Products for children in sizes up to and including 170 cm by testing the fabric should not have a life of 7 seconds or less.	Norway Textiles - Ban on highly combustible textiles
Flammability Children & Adults Clothing	EN 1103	Children & Adults Clothing ISO 6941 – no surface flash	SWITZERLAND Ordinance 817.043.1
Flammability Children & Adults Clothing	16 CFR 1610	Children & Adults Clothing For smooth surface the flame spread over 127 mm may not be shorter than 4 seconds (class 1). For raised surface the flame spread over 127 mm may not be shorter than 4 seconds or no base burn (class 1 or class 2).	USA Flammable Fabrics Act Regulations
Flammability Children Clothing	GB/T 14644	0-14 years For smooth surface the flame spread over 127 mm may not be shorter than 4 seconds (class 1). For raised surface the flame spread over 127 mm may not be shorter than 4 seconds (class 1).	China: GB 31701

Flammability Children & Adults Nightwear	UK Nightwear (Safety) Regulations 1985	Children & Adults Nightwear Children's nightwear, with the exception of pyjamas, babies' garments and cotton terry towelling bath robes, shall not be made of any fabric of a kind which after having been washed in accordance with Regulation 11 is not capable of complying with the flammability performance requirements. Pyjamas, babies' garments and cotton terry towelling bath robes (being children's nightwear) shall be labelled in accordance with the requirements of Schedule 2. Adults' nightwear shall be labelled in accordance with the requirements of Schedule 2.	UK: Nightwear (Safety) Regulations 1985
Flammability of Children's Nightwear	EN 14878	Children's Nightwear Class A for Children's Nightwear and Class B for Children's pyjamas	EU: recommended General Product Safety Regulation (GPSR) 988/2023.
Flammability of Children's Nightwear	16 CFR 1615 16 CFR 1616	Children's Nightwear The average char length of the sample does not exceed 17.8 cm (7.0 in) and no individual specimen has a char length of 25.4 cm (10.0 in).	USA Flammable Fabrics Act Regulations
Magnetic component Children clothing	Korea Safety Confirmation Act	Children clothing (0-14 years) No magnetic component. PASS if < 50 kG2mm2 and in compliance with small part test.	Korea Safety Confirmation Act
Textile Colorfastness to dry rubbing	GB 18401	Adult and children over 36 months minimum class 3 Children under 36 months minimum class 4	China: GB 18401
Textile Colorfastness to wet rubbing	GB 31701	Children over 36 months minimum class 2-3 Children under 36 months minimum class 3 (minimum 2-3 on dark color)	China: GB 31701
Textile Colorfastness to perspiration	GB 18401	Adult and children over 36 months minimum class 3 Children under 36 months minimum class 3-4	China: GB 18401

Textile Colorfastness to water	GB 18401	Adult and children over 36 months minimum class 3 Children under 36 months minimum class 3-4	China: GB 18401
Textile Colorfastness to saliva	GB 18401	Children under 36 months minimum class 4	China: GB 18401

CHILDREN FOOTWEAT PHYSICAL MECHANICAL

TEST DESCRIPTION	TEST METHOD	REQUIREMENT	LEGAL REFERENCE
Small parts for footwear	UNE 59300	0-36 months (up to size 24 included) The removal force of grippable components shall be not less than 70 N when the largest dimension of the component is > 6 mm, and not less than 50 N when ≤ 6 mm	SPAIN: General Product Safety Regulation (GPSR) 988/2023.
Small parts for apparel, textile accessories and footwear	16 CFR Parts 1501	Destination age ≤ 18 months: impact 3.0 feet (0.92 m); flexure 10 lbs (4.55 kg); torque 2 inch•pound / 180° (2.3 kg•cm / 180°); tension 10 lbs / 10 sec (4.55 kg / 10 sec); compression 20 lbs / 10 sec (9.1 kg / 10 sec). Destination age > 18 ≤ 36 months: impact 4.5 feet (1.37 m); flexure 15 lbs (6.8 kg); torque 3 inch•pound / 180° (3.46 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 25 lbs / 10 sec. (11.4 kg / 10 sec).	USA: CPSC recalls
Small parts for footwear	GB 30585	0-36 months (not greater than 170 mm) The removal force of grippable components shall be ≥ 70N	China: GB 30585
Small parts for apparel, textile accessories and footwear	ISO 8124-1	0-36 months The removal force of grippable components shall be not less than 50 N. For all other components no detachment after washing test according to ISO 6330.	Korea Safety Confirmation Act
Small parts for apparel, textile accessories and footwear	ISO 8124-1	> 36 months up to 72 months The removal force of grippable components shall be not less than 50 N. For all other components no detachment after washing test according to ISO 6330. In case of small parts report a warning.	Korea Safety Confirmation Act
Sharp edges and Sharp point for footwear	UNE 59300	Up to size 34 included. No sharp points, no sharp edges UNE 59300	SPAIN: General Product Safety Regulation (GPSR) 988/2023.

Sharp edges and Sharp point for apparel, textile accessories and footwear	16 CFR Parts 1500.48 16 CFR Parts 1500.49	<p>Destination age ≤ 18 months: impact 3.0 feet (0.92 m); flexure 10 lbs (4.55 kg); torque 2 inch•pound / 180° (2.3 kg•cm / 180°); tension 10 lbs / 10 sec (4.55 kg / 10 sec); compression 20 lbs / 10 sec (9.1 kg / 10 sec).</p> <p>Destination age > 18 ≤ 36 months: impact 4.5 feet (1.37 m); flexure 15 lbs (6.8 kg); torque 3 inch•pound / 180° (3.46 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 25 lbs / 10 sec. (11.4 kg / 10 sec).</p> <p>Destination age > 36 ≤ 96 months: impact 3.0 feet (0.92 m); flexure 15 lbs (6.8 kg); torque 4 inch•pound / 180° (4.60 kg•cm / 180°); tension 15 lbs / 10 sec (6.8 kg / 10 sec); compression 30 lbs / 10 sec. (13.6 kg / 10 sec)</p>	USA: CPSC recalls
Sharp edges and Sharp point for footwear	GB 30585	<p>0-14 years No sharp points, no sharp edges according to 5.8 and 5.9 of GB 6675.2-2014</p>	China: GB 30585
Sharp edges and Sharp point for apparel, textile accessories and footwear	ISO 8124-1	<p>0-36 months No sharp points, no sharp edges ISO 8124-1</p>	Korea Safety Confirmation Act
Sharp edges and Sharp point for apparel, textile accessories and footwear	ISO 8124-1	<p>> 36 months up to 72 months No non-functional sharp points, no non-functional sharp edges ISO 8124-1. If functional sharp point or functional sharp edges are present report a warning.</p>	Korea Safety Confirmation Act
Footwear Colorfastness to rubbing (insole and lining)	GB 25038	<p>GB 25038 All ages rubber footwear Up to 36 months minimum class 3 Adult and Children over 36 months minimum class 2-3</p>	China: GB 25038

CHILDREN JEWELLERY PHYSICAL MECHANICAL

TEST DESCRIPTION	TEST METHOD	REQUIREMENT	LEGAL REFERENCE
Children's Jewelry	ASTM F2923	<p style="text-align: center;">Children's Jewelry</p> <p>This specification establishes requirements recognizing that not all jewelry is appropriate for all age groups. Jewelry is not recommended for young children 3 years and under absent close parental supervision. Children's jewelry intended to be attached around the neck shall release, either by designed breakaway feature, attachment design or physical properties of the material, when subjected to 15 lb of tension in accordance with the breakaway tension test. Children's jewelry intended for children under 8 years shall not include any magnet. Children's jewelry intended for children 8 years of age or older consisting of earrings, brooches, necklaces or bracelets which contain loose as-received hazardous magnets or loose as-received hazardous magnetic components, as well as their instructions, if any, shall include a warning statement. Sharp Points, Sharp Edges, Use and Abuse: Children's jewelry shall be tested in accordance with 16 CFR 1500.48-53 mechanical requirements for children's products up to 8 years of age and not present any hazard(s). Any functional sharp point on children's jewelry is exempt from 16 CFR 1500.48. For all children's jewelry with batteries, batteries that fit completely within the small parts test cylinder as specified in 16 CFR 1501.4, Fig. 1 shall not be accessible, before or after testing in accordance with 16 CFR 1500.50-53 (as applicable), without the use of a coin, screwdriver, or other common household tool.</p>	<p style="text-align: center;">US: Rhode Island Comprehensive Children's Jewelry Safety Act</p>

ADULT APPAREL PHYSICAL MECHANICAL-FLAMMABILITY

TEST DESCRIPTION	TEST METHOD	REQUIREMENT	LEGAL REFERENCE
Flammability Children & Adults Clothing	ASTM D1230	Children & Adults Clothing The flame spread over 127 mm may not be shorter than 4 seconds.	Netherlands: Dutch Clothing Association agreements with the government. General Product Safety Regulation (GPSR) 988/2023.
Flammability Children & Adults Clothing	ASTM D1230 KOVFS 1985:5	Children & Adults Clothing The flame spread over 127 mm shall be more than 5 seconds.	Sweden recommended KOVFS 1985:5 General Product Safety Regulation (GPSR) 988/2023.
Flammability Children & Adults Clothing	EN 1103	Children & Adults Clothing ISO 6941 – no surface flash	SWITZERLAND Ordinance 817.043.1
Flammability Children & Adults Clothing	16 CFR 1610	Children & Adults Clothing For smooth surface the flame spread over 127 mm may not be shorter than 4 seconds (class 1). For raised surface the flame spread over 127 mm may not be shorter than 4 seconds or no base burn (class 1 or class 2).	USA Flammable Fabrics Act Regulations
Flammability Children & Adults Nightwear	UK Nightwear (Safety) Regulations 1985	Children & Adults Nightwear Adults' nightwear shall be labelled in accordance with the requirements of Schedule 2.	UK: Nightwear (Safety) Regulations 1985
Textile Colorfastness to dry rubbing	GB 18401	Adult and children over 36 months minimum class 3	China: GB 18401
Textile Colorfastness to perspiration	GB 18401	Adult and children over 36 months minimum class 3	China: GB 18401
Textile Colorfastness to water	GB 18401	Adult and children over 36 months minimum class 3	China: GB 18401
Footwear Colorfastness to rubbing (insole and lining)	GB 25038	GB 25038 All ages rubber footwear Adult and children over 36 months minimum class 2-3	China: GB 25038

ADULT FOOTWEAR PHYSICAL MECHANICAL

TEST DESCRIPTION	TEST METHOD	REQUIREMENT	LEGAL REFERENCE
Footwear Colorfastness to rubbing (insole and lining)	GB 25038	GB 25038 All ages rubber footwear Adult and children over 36 months minimum class 2-3	China: GB 25038