RESTRICTED SUBSTANCE LIST (RSL)

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AMERICAN APPAREL & FOOTWEAR ASSOCIATION

Introduction

The Restricted Substance List (RSL) was created by a special working group of the American Apparel & Footwear Association (AAFA). This RSL is intended to provide apparel and footwear companies, and their supply chain partners, with information related to regulations and laws that restrict or ban certain chemicals and substances in finished home textile, apparel, footwear, and related accessory products (such as travel goods) around the world.

The RSL was developed to serve as a practical tool to help those individuals in textile, apparel, and footwear companies, and their suppliers, responsible for environmental compliance throughout the supply chain, to become more aware of various local, national, and international regulations governing the amount of substances that are permitted in finished home textile, apparel, footwear, and related accessory products.

The RSL is updated on a regular basis and will be supplemented with additional resources to help officials in these companies undertake responsible chemical management practices in the aforementioned finished products.

Methodology

The RSL includes only those materials, chemicals, and substances that are restricted or banned in finished home textile, apparel, and footwear products because of a regulation or law. In each case, the RSL identifies the most restrictive regulation.

The RSL does not include regulations that restrict the use of substances in production processes or in the factory; rather the focus is on whether or not the substance can be found in finished home textile, apparel, and footwear products at a certain level.

Structure

For each substance the RSL identifies the following features:

1. CAS number

2. Common chemical or color name
3. Information on the Restriction/Limit on Final Product or Tested Component
    a. Restriction Level
    b. Country where that Restriction/Limit is found
    c. Test Method
    d. Other countries that maintain equal or less restrictions
    e. Comments (if applicable)

Scope

The RSL is not intended to address product safety regulations outside the chemical management area – such as Consumer Product Safety Commission (CPSC) regulations related to small parts. Moreover, it is not structured to cover toys, automotive textiles, or other industrial textiles. This list does not include restrictions related to use of substances in packaging or related materials.

The following legislation is not listed because there are not regulatory concentration limits but may warrant evaluation for applicability.

The U.S. EPA, following the Montreal Protocols, promulgated legislation on ozone depleting compounds. Class I and Class II listed chemicals used in the process of manufacturing of product or packaging requires special labeling as detailed in the regulation. Residuals of the chemical components in the product or package are not necessary to trigger the requirement. Minor usage in textiles as a spot cleaner is acceptable.

California Proposition 65 requires a “clear and reasonable” warning label for all products sold in the state of California containing one or more chemicals known to the state to cause cancer or reproductive toxicity. Labeling requirements are dependent on consumer exposure to the chemical (measured in micrograms (µg) / day) not the concentration in the product. To comply with the law, manufacturers must either ensure that consumer exposure to regulated chemicals in their products do not exceed the established safe harbor levels or label their products.

AAFA’s Guidance on Proposition 65 Labeling and Best Practices can be accessed.

Technical Notes

Chemical nomenclature can take several forms. It is the responsibility of the user to verify synonyms of any regulated chemicals referenced.

It is possible that regulated substances may be present in raw materials below the levels that require reporting on Safety Data Sheets (SDS). Care should be taken to verify the presence of all regulated substances regardless of the concentration.

This list represents the most stringent known and applicable standards relevant to the apparel and footwear industry at the time of publication; any inaccuracy or omission is not the responsibility of AAFA.

About AAFA

The American Apparel & Footwear Association (AAFA) is the national trade association representing apparel, footwear and other sewn products companies, and their suppliers, which compete in the global market. Representing more than 1,100 world famous name brands, AAFA is the trusted public policy and political voice of the apparel and footwear industry, its management and shareholders, its more than 3.5 million U.S. workers, and its contribution of more than $509 billion in annual U.S. retail sales.

AAFA stands at the forefront as a leader of positive change for the apparel and footwear industry. With integrity and purpose, AAFA delivers a unified voice on key legislative and regulatory issues. AAFA enables a collaborative forum to promote best practices and innovation. AAFA's comprehensive work ensures the continued success and growth of the apparel and footwear industry, its suppliers, and its customers.

Acknowledgements

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Learn more about the RSL methodology.

AP and APEO							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
All CAS of isomers of NP	Nonylphenol C6H4(OH)C9H19	Taiwan - sum of NP and NPEO <1000 ppm; South Korea - sum of NP and NPEO <100 ppm for children <13 years old EU, Switzerland, Turkey - NPEO < 100 ppm (textile articles intended to be washed);	Taiwan, South Korea	Taiwan CNS 15290 (for all textile products) Korea	EN ISO 21084:2019		Nonylphenol is included in the REACH Candidate list. It is also included in annex XVII entry 46 for substances and mixtures (textiles and leather processing). Not for articles.
All CAS of isomers of NPEO	Nonylphenol ethoxylates (C2H4O)nC15H24O		Taiwan, South Korea, EU	European Union REACH Regulation (EC) No 1907/2006 Annex XVII entry 46a and European Union REACH Regulation (EC) no. 1907/2006 Candidate List	BS EN ISO 18254-1:2016 Textiles- Methods for the Detection and Determination of alkyl phenol ethoxylates APEOS BS EN 18218-1:2023 Leather - Determination of ethoxylated alkylphenols (APEO)		REACH Annex XVII entry 46a is applicable to textile articles which can reasonably be expected to be washed in water Second hand textile articles or articles made of 100% recycled content are exempt
All CAS of isomers of NP, OP, NPEO, OPEO	Nonylphenol (NP) Octylphenol (OP) Nonylphenol Ethoxylates (NPEO) Octylphenol Ethoxylates (OPEO)	NP, OP: <10 mg/kg (sum) (10 ppm) NP, OP, NPEO, OPEO: <100 mg/kg (sum) (100 ppm)	China	GB/T 14272-2021 (Down Garment) FZ/T 73005-2021 (Low Wool Content and Wool-Like Knitting Goods) FZ/T 73018-2021 (Wool Knitting Goods)	Textile: GB/T 23322 Down: GB/T 14272-2021 Clause 5.6.2	China: FZ/T 73009-2021 (Cashmere Knitting Goods)	Updated China Product Standards ito 2021 version in which AP (NP, OP) and APEO (NPEO, OPEO) are added. New proposal: Morocco: Legislation 00.9.0000 Textile and leather materials in textile articles. Limit: 100 ppm sum of NPEO and OPEO

Arylamines							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
60-09-3	4-Amino azobenzene	Reported as not detected. **China restriction limit:** Textiles 20 ppm Leather 30 ppm **EU restriction limit:** Textiles and Leather: <=30 ppm **Vietnam restriction limit:** restricts AZO dyes and Formaldehyde Azo dyes limit: <=30 ppm	EU, China, Vietnam	Regulations below apply to all Arylamines listed in this RSL European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 43 The National Standard of the People's Republic of China GB18401-2010 The National Standard of the People's Republic of China GB20400-2006-Leather and Fur Vietnam Circular no.21/2017/TT-BCT	Textiles (EU): ISO 14362-1 :2017 / EN ISO 14362-3:2017 Leather (EU): EN ISO 17234-1:2020 Test methods specific for 4-Aminoazobenzene confirmation: LFGB 82.02-9 LFGB 82.02-15 EN ISO 17234-2:2011 AAB ISO 14362 - 3:2017 ◦GB/T 23344-2009 (pAAB) confirmation JIS L 1940-3:2019 Textiles (China) GB/T 17592-2024 Leather and fur (China) GB/T 19942-2005	South Korea (KC Mark, for more information review Appendix II), and Indonesia Switzerland, Norway, and Taiwan, Turkey "Indonesia: No.07/M-IND/PER/2/2014 SNI7617:2013 Egypt: Ministerial Decrees No. 961/2012 ES 7266-4/2023 ES 7322/2018 Taiwan: CNS 15290 CNS 15503 (children products) CNS 8634 (leather casual shoes) CNS 10632 (leather shoes)" Japan: Japanese Law 112 Textile: JIS L 1940-1:2019 Leather: ISO 17234-1:2020 / EN ISO 17234-2:2011 Saudi Arabia - SASO Technical Regulations for Textile Products / Leather Products / Footwear and their Accessories ISO 14362-1:2017 (Textiles) ISO 17234-1:2020 (Leather)	4- Amino azobenzene is not listed in GB20400-2006; Only 23 arylamines are subject to this standard Can test with arylamine salts GB 30585-2014 (Safety technical specification for children's footwear) - will apply on 1 Jan 2016 GB 30585-2024 goes int effect on June 1, 2025 India IS 17011:2018 Chemical requirements for Footwear and footwear materials. Limit: 20 ppm, Footwear and footwear components. Morocco: NM 00.9.0000, NM09.5.100 and NM 09.4.104. For Textile garments (including leather materials in textile articles) footwear (including textile and leather materials) Leather articles, the limit is 30 ppm.
92-67-1	4-Aminodiphenyl						
99-55-8	2-Amino-4-nitrotoluene						
90-04-0	*o*-Anisidine						
92-87-5	Benzidine						
106-47-8	*p*-Chloroaniline						
95-69-2	4-Chloro-*o*-toluidine						
120-71-8	*p*-Cresidine						
615-05-4	2,4-Diaminoanisole						
101-77-9	4,4'-Diaminodiphenylmethane						
91-94-1	3,3'-Dichlorobenzidine						
119-90-4	3,3'-Dimethoxybenzidine						
119-93-7	3,3'-Dimethylbenzidine						
838-88-0	3,3'-Dimethyl-4,4'-diamino-diphenylmethane						
101-14-4	4,4'-Methylene-bis-(2-chloroaniline)						
91-59-8	2-Naphthylamine						
101-80-4	4,4'-Oxydianiline						
139-65-1	4,4'-Thiodianiline						
95-80-7	2,4-Toluenediamine						
95-53-4	o-Toluidine						
137-17-7	2,4,5-Trimethylaniline						
95-68-1	2,4-Xylidine (China, Japan only)						
87-62-7	2,6-Xylidine (China, Japan only)						
3165-93-3	4-chloro-o-toluidinium chloride	limit for entry 72 is < 30 mg/kg (30 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	EN ISO 14362:2017		
553-00-4	2-Naphthylammoniumacetate						
39156-41-7	4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate						
21436-97-5	2,4,5-trimethylaniline hydrochloride						

Dioxins & Furans							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
Group 1			Germany	GERMANY: Dioxins & Furans can be found in § 3 Abs 2, Anlage 1 Eintrag 2 ChemikalienverbotsVO	USA: EPA 8290 (industry practice-not specified by the regulation)		
1746-01-6	2,3,7,8- Tetrachlorodibenzo-p-dioxin	Sum of Group 1: 1 µg/kg (1 ppb)					
40321-76-4	1,2,3,7,8- Pentachlorodibenzo-p-dioxin						
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran						
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran						
Group 2							
19408-74-3	1 ,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Sum of Group 1 & 2: 5 µg/kg (5 ppb)					
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin						
57117-41-6	1,2,3,7,8- pentachlorodibenzofuran						
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran						
57653-85-7	1 ,2,3,6,7,8-Hexachlorodibenzo-p-dioxin						
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran						
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran						
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran						
Group 3							
3268-87-9	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	Sum of Groups 1, 2 & 3: 100 µg/kg (100 ppb)					
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin						
39001-02-0	1,2,3,4,6,7,8,9-Octachlorodibenzofuran						
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran						
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran						
Group 4							
109333-34-8	1,2,3,7,8-Pentabromodibenzo-p-dioxin	Sum of Group 4: 1 µg/kg (1 ppb)					
131166-92-2	2,3,4,7,8-Pentabromodibenzofuran						
50585-41-6	2,3,7,8-Tetrabromodibenzo-p-dioxin						
67733-57-7	2,3,7,8-Tetrabromodibenzofuran						
Group 5							
107555-93-1	1,2,3,7,8-Pentabromodibenzofuran	Sum of Groups 4 & 5: 5 µg/kg (5 ppb)					
110999-44-5	1,2,3,4,7,8-Hexabromodibenzo-p-dioxin						
110999-45-6	1,2,3,6,7,8-Hexabromodibenzo-p-dioxin						
110999-46-7	1,2,3,7,8,9-Hexabromodibenzo-p-dioxin						

Disperse Dyes							
CAS Number	**Chemical Name/Color Index Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
91-22-5	Quinoline	50 mg/kg (50 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	DIN 54231:2022		
548-62-9	[4-[4,4′-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with ≥ 0,1 % of Michler's ketone (EC no. 202-027-5)	50 mg/kg (50 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	DIN 54231		
2475-45-8	Disperse Blue 1	50 mg/kg (50 ppm)	EU				
569-61-9	Benzenamine, 4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene)dianiline hydrochloride; C.I. Basic Red 9	50 mg/kg (50 ppm)	EU				
12222-75-2	Disperse Blue 35	Not Detected (below detection limits - see test method)	Germany	German Food, Feed and Commodities Law §30 (LFGB §30)	DIN 54231 KS K 0736:2024	South Korea (applicable to babywear, children's wear and adult underwear) - limit of 50 mg/kg United Arab Emirates (Cabinet Resolution No (54) of 2019: 30 ppm in textiles for Acid Red 26, Basic Red 9, Direct Black 38, Direct Blue 6, Direct Blue 28, Disperse Blue 1, Disperse Yellow 3	IS 17011:2018 Chemical requirements for Footwear and footwear materials. Limits: 1 mg/L Test under Indian law is IS 16914 Parts 2 and 3.
12223-01-7	Disperse Blue 106						
13301-61-6	Disperse Orange 37/59/76						
2475-45-8	Disperse Blue 1						
2832-40-8	Disperse Yellow 3						
2872-52-8	Disperse Red 1						
61951-51-7	Disperse Blue 124						
730-40-5	Disperse Orange 3						

Disperse Dyes							
CAS Number	**Chemical Name/Color Index Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
23355-64-8	Disperse Brown 1	50 mg/kg (50 ppm) (applicable to babywear, children's wear and adult underwear)	South Korea	KC Mark	KS K 0736:2024		
85136-74-9	Disperse Orange 149						
6250-23-3	Disperse Yellow 23						
2475-46-9	Disperse Blue 3						
3179-90-6	Disperse Blue 7						
3860-63-7	Disperse Blue 26						
69766-79-6	Disperse Blue 102						
2581-69-3	Disperse Orange 1						
119-15-3	Disperse Yellow 1						
6373-73-5	Disperse Yellow 9						
611-202-9	Disperse Yellow 49						
2872-48-2	Disperse Red 11						
3179-89-3	Disperse Red 17						
12236-29-2	Disperse Yellow 39						

Disperse Dyes							
CAS Number	**Chemical Name/Color Index Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
Carcinogenic Dyes*							
1937-37-7	Direct Black 38	Prohibited	Egypt	ES 7266-4/2023	DIN 54231		* Carcinogenic is not used as a description of a sub category of dyes (Although IS 17011:2018 uses the same category descriptor) • The term appears in the Egyptian law restricting the use of carcinogenic dyes in clothing & textiles
2475-45-8	Disperse Blue 1						
2602-46-2	Direct Blue 6						
2832-40-8	Disperse Yellow 3						
3761-53-3	Acid Red 26						
569-61-9	Basic Red 9						
573-58-0	Direct Red 28						
632-99-5	Basic Violet 14						
82-28-0	Disperse Orange 11						

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
Various	Halogenated, Phosphorus, Nitrogen, or Nanoscale Flame Retardants	1000 ppm	California, Maryland, USA	Md. Code Regs. 10.19.08.03 (SB0447 and amendments) California Business and Professions Code Division 8, Chapter 3 Home Furnishing, Article 5.5 Juvenile Products, Upholstered furniture and Mattress §§ 19100 - 19104		Minnesota and Nevada (Organohalogenated flame retardants in children's products)	Applicable to "Juvenile products" : consumer product intended for use by a child under the age of 12 years.
115-96-8	Tris(2-chloroethyl) phosphate (TCEP)	Prohibited	Maryland and New York, USA	Md. Code Regs. 10.19.07.03 (A6195 and amendments)	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	Canada, EU	Maryland ban above 1000 ppm by mass on TCEP in childcare products. New York ban applies to consumer products, such as baby products, toys, car seats, nursing pillows, crib mattresses, and strollers for intended for use by a child under three years of age. European Union REACH Regulation (EC) No. 1907/2006 Candidate List The Canada requirement is only applied for children's products (< 3 years) made of polyurethane foam. Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
5436-43-1, 40088-47-9	Tetrabromodiphenyl ether (TetraBDE)	10 ppm	Switzerland	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 17881-1:2016	EU (see comment) Australia (see comment) New Zealand	Limit for EU (POP EU 2019/1021) is Sum of TetraBDE, PentaBDE, HexaBDE, HeptaBDE and DecaBDE < 500 ppm Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
32534-81-9	Penta-bromodiphenyl ether (pentaBDE)	≤ 0.001% by weight (10 ppm)	Switzerland	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	USA, Switzerland, South Korea (KC Mark, for more information review Appendix II) EU (see comment) Australia (see comment) New Zealand	South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding] Limit for EU (POP EU 2019/1021) is Sum of TetraBDE, PentaBDE, HexaBDE, HeptaBDE and DecaBDE < 500 ppm Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm
68631-49-2, 207122-15-4, 36483-60-0	Hexabromodiphenyl ether (HexaBDE)	10 ppm	Switzerland	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 17881-1:2016	EU (see comment) Australia (see comment)	Limit for EU (POP EU 2019/1021) is Sum of TetraBDE, PentaBDE, HexaBDE, HeptaBDE and DecaBDE < 500 ppm Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm
446255-22-7 207122-16-5, 68928-80-3	Heptabromodiphenyl ether (HeptaBDE)	10 ppm	Switzerland	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 17881-1:2016	EU (see comment) Australia (see comment) New Zealand	Limit for EU (POP EU 2019/1021) is Sum of TetraBDE, PentaBDE, HexaBDE, HeptaBDE and DecaBDE < 500 ~~mg/kg~~ ppm Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
1163-19-5	Decabromodiphenyl ether (decaBDE)	10 ppm	Switzerland	US (TSCA Section 6h) POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	EU (see comment) Australia (see comment) New Zealand USA	European Union REACH Regulation (EC) No. 1907/2006 Candidate List Limit for EU (POP EU 2019/1021) is Sum of TetraBDE, PentaBDE, HexaBDE, HeptaBDE and DecaBDE < 500 ~~mg/kg~~ ppm. Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm
32536-52-0	Octa-bromodiphenyl ether (octaBDE)	≤ 0.1% by weight (1000 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	USA, Switzerland, South Korea (KC Mark, for more information review Appendix II) Australia ~~EU~~ (see comment)	South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding] Limit for Australia (Industrial Chemicals Environmental Management (Registry) Instrument 2022 and its amendment, schedule 7): sum of tetra-, penta-. hexa-, hepta-, octa-, nona- and decaBDE: ≤ 500 ppm
126-72-7	Tris (2,3-dibromopropyl) phosphate (TRIS)	Prohibited	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Methanol extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	Turkey, Switzerland, Japan (see comment), USA, Egypt, South Korea (KC Mark, for more information review Appendix II)	EU requirement applicable to textiles with direct contact with the skin. South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding] US requirement applicable to sleepwear Japan requirement applicable to textile products - sleepwear, bedding, curtains and floor mats. From 1 April 2025, the limit will be changed from "not detected" to "8 ppm"

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
1309-64-4	Antimony trioxide	≤ 1,000 ppm each	Massachusetts, USA	Massachusetts H.4900			Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
13674-84-5	Tris(1-chloro-2-propyl) phosphate (TCPP)	≤ 1,000 ppm each	Massachusetts, USA	Massachusetts H.4900			Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
13674-87-8	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	1000 ppm	Vermont, Maryland, and Massachusetts USA	S81	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)		This chemical should not exceed 1000 ppm for children products(<12 yr) & residential upholstered furniture. Maryland ban above 1000 ppm in childcare products. Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
183658-27-7	2-Ethylhexyl-2,3,4,5-tetrabromobenzoate (TBB)	≤ 1,000 ppm each	Massachusetts, USA	Massachusetts H.4900			Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7 , 134237-52-8	Hexabromocyclododecane (HBCDD)	75 ppm	EU	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 17881-1:2016.		Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
26040-51-7	Bis(2-ethylhexyl)-3,4,5,6-tetrabromophthalate (TBPH)	≤ 1,000 ppm each	Massachusetts, USA	Massachusetts H.4900			Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
5412-25-9	Bis (2,3-dibromopropyl) phosphate	Prohibited	Japan	Japanese Law no. 112, October 12, 1973. Partially amended in 1978 and 1981	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)		Japan requirement applicable to textile products - sleepwear, bedding, curtains and floor mats. From 1 April 2025, the limit will be changed from "not detected" to "10 ppm"
545-55-1	Tris (1-aziridinyl)-phosphine oxide (TEPA)	Prohibited	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	KOH or NaOH digestion followed by GC-MS headspace analysis for ethyleneimine (industry practice - not specified by the regulation)	Switzerland, Turkey, Japan (see comment), South Korea, Egypt	EU requirement applicable to textiles with direct contact with the skin Japan requirement applicable to textile products - sleepwear, bedding, curtains and floor mats.
59536-65-1	Polybrominated biphenyls (PBBs)	Prohibited	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Methanol extraction: analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	Turkey, Switzerland, Canada, USA, South Korea, Egypt	EU requirement applicable to textiles with direct skin contact South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding]

Flame Retardants							
REMARK: Few US states who restrict entire class of Flame Retardant [FR] chemicals such as Nevada FR bill (AB 97) restrict Organohalogenated Flame retardants in children's products, Maryland FR Bill (SB447) restricts FRs in Juvenile products that are Organohalogenated, FR that contains Phosphorous element, FR that contains Nitrogen element; for such FR laws, since there is no list of FR chemicals provided in the bill, it is recommended to work with your suppliers on identifying active FR chemical with the help of MSDS document and make sure active FR chemical doesn't belong to above restricted class of FRs. Additionally, one can also utilize screening test to identify specific element or group of elements such total halogen screening.							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
79-94-7	Tetrabromobisphenol A	≤ 1,000 ppm each	Massachusetts, USA	Massachusetts H.4900			Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.
85535-84-8	Chlorinated paraffins (C10-C13)	1000 ppm	EU Switzerland	European Union POPs Regulation (EC) No. 2019/1021, Annex I SWITZERLAND: ORRChem annex 1.1 (Art.3)	Solvent extraction and GC-MS or LC-MS (industry practice - not specified by the regulation) ISO 18219: 2021	South Korea, Canada, China	REACH: Also listed on the SVHC Candidate List POPs: Articles should not contain SCCPs above 1500 ppm Delaware bans above 1000 ppm of this FR in Children products designed for residential use by infants and children under 12 years old such as booster seats, changing pads, children's nap mats, floor play mats, highchair pads, infant carriers, infant seats, etc.

Formaldehyde							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
50-00-0	Formaldehyde 0-36 months old	Not Detected (detection limit is 16 mg/kg) (textiles)	Japan	Japanese Law 112	Textile: ISO 14184-1 orJIS L1041 (Law 112) (textiles) China GB/T 2912.1 CNS 15580-1 Leather: ISO 17226-2	China, Russia, Finland, Norway, France, Lithuania, New Zealand, South Korea, Vietnam, Taiwan, Egypt, Indonesia, USA (Minnesota), Morocco, India	Vietnam, South Korea define baby products as 0-36 months old Japan and-Taiwan, define baby products as 0-24 months China defines baby products based on particular standards in Textile Product (GB 18401) is 0-36 months. Leather Product (GB 20400 is 0-24 months) GB 30585 regulates Formaldehyde in children's shoes (≤14 years old), Size of the shoes <250 mm (will apply from 1 Jan 2016)
	>36 months old (with direct skin contact)	75 ppm (textiles)	Japan	Japanese Law 112	CNS 15579		
	Formaldehyde (leather and fur) Baby products (0-24 months)	20 ppm	China	GB20400-2006	GB/T 19941		**Egypt** ES 7322/2018: - Natural and synthetic leather articles, In case of direct contact with the skin: Not more than 75 ppm - If it does not come into contact with the skin: Not more than 150 ppm - In the case of children (up to 24 months of age) with Skin contact: Not more than 16 ppm - Textile parts of leather articles, 75ppm. **Morocco** NM 00.9.0000: - textile garments (including leather materials in textile articles) < 3 years, 16ppm - textile material in textile articles > 3 years, 75 ppm - leathers material in textile articles > 3 years 150 ppm NM 09.5.100 - footwear (including leather and textile) < 3 years 16ppm - textile material in footwear > 3 years 75ppm - leathers material in footwear > 3 years 150ppm NM 09.4.104 - Leather and syntethic leather in leather products 150ppm - Textile in leather products intended < 3 years 16ppm - Textile in leather products intended > 3 years 75 ppm **India** IS 17011:2018 Chemical requirements for Footwear and footwear materials - Footwear and footwear components made from leather and textile materials - baby (up to 36 months) 20 ppm - Footwear and footwear components made from leather and textile materials - >3 y.o. in direct contact with skin 75ppm -Footwear and footwear components made from leather and textile materials - >3 y.o. in indirect contact with skin 100ppm
	Leather and fur (with direct skin contact)	75 ppm	China	GB20400-2006	GB/T 19941	Egypt, Morocco, India	
	Leather and fur (without direct skin contact)	300 ppm	China	GB20400-2006	GB/T 19941	South Korea, Taiwan	
	Formaldehyde (non-leather)	75 mg/kg (75 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	ISO 14184-1		

Heavy Metals (Extractable)							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
7439-92-1	Lead (Pb)	0.2 ppm (extractable)	Indonesia	Indonesia Regulation, No. 07/M-IND/PER/2/2014 & Ministerial Regulation no. 18 of 2019	SNI 7334: 2019	Egypt ES 7322/2018 (leather)	0.2 mg/kg (children) 1 mg/kg (other) ISO 17072-1
						European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	1 mg/kg EN 16711-2
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	0.2 mg/kg (baby) 1 mg/kg (other) EN 16711-2:2015 (textile)
7440-43-9	Cadmium (Cd)	0.1 ppm (extractable)	Indonesia	Indonesia Regulation, No. 07/M-IND/PER/2/2014 & Ministerial Regulation no. 18 of 2019	SNI 7334: 2019	Egypt ES 7322/2018 (leather)	0.1 mg/kg ISO 17072-1
						European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	1 mg/kg EN 16711-2
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	0.1 mg/kg EN 16711-2:2015 (textile)
7440-50-8	Copper	25 ppm (extractable)	Indonesia	Indonesia Regulation, No. 07/M-IND/PER/2/2014 & Ministerial Regulation no. 18 of 2019	SNI 7334: 2019	Egypt ES 7322/2018 (leather)	25 mg/kg (children) 50 mg/kg (other)
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	25 mg/kg (baby) 50 mg/kg (other) EN 16711-2:2015 (textile)
7440-02-0	Nickel (Ni)	1.0 ppm (extractable)	Indonesia	Indonesia Regulation, No. 07/M-IND/PER/2/2014 & Ministerial Regulation no. 18 of 2019	SNI 7334: 2019	Egypt ES 7322/2018 (leather)	1 mg/kg (children) 4 mg/kg (other) ISO 17072-1
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	1 mg/kg (baby) 4 mg/kg (other) EN 16711-2:2015 (textile)
7440-02-0	Nickel (Ni) Release	0.5 µg/cm2/week	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	EN 1811:2023 for non-coated item; EN 12472:2020 and EN 1811:2023 for coated item		Restriction only applicable in cases where there is direct and prolonged contact with skin

7440-38-2	Arsenic	1.0 ppm (extractable)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	EN 16711-2: 2015	Egypt ES 7322/2018 (leather)	0.2 mg/kg (children) 1 mg/kg (other)
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	0.2 mg/kg (baby) 1 mg/kg (other) EN 16711-2:2015 (textile)
18540-29-9	Chromium (Cr6+) hexavalent	3 ppm for leather	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Leather: EN ISO 17075-1:2017 and EN ISO 17075-2:2017 Non-leather: EN 16711-2:2015 with EN ISO 17075-1:2017 if Cr is detected	Taiwan CNS 15503	10 mg/kg for leather (chidlren product) CNS 15503 Annex A
						Egypt ES 7322/2018 (leather)	3 mg/kg ISO 17075
						India BIS IS 17011:2018	Footwear and footwear components:3 ppm (Should not be more than 3.0 even after thermal pre-ageing)
		0.5 ppm (extractable) for non-leather	Egypt	Egypt ES 7266-4/2023 (textile)		SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	0.5 mg/kg ISO 17072-1:2019 (leather)
7440-36-0	Antimony	30 ppm (leachable)	Egypt	Egypt ES 7322/2018 for leather	ISO 17072-1: 2019	SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	30 mg/kg EN 16711-2:2015 (textile)
7440-47-3	Chromium	2 mg/kg (children) (2 ppm) 200 mg/kg (other) (200 ppm) Textile articles < 3 years 1 ppm Textile articles > 3 years 2 ppm Direct Skin Contact: 1 mg/kg (1 ppm) Indirect Skin Contact: 2 mg/kg (2 ppm)	Egypt	Egypt ES 7322/2018 for leather Egypt ES 7266-4/2023 for textiles Egypt ES 7266-3/2023 for home textile	ISO 17072-1: 2019	Morocco NM 00.9.0000	textile material in textile articles < 3 years - 1 ppm leathers material in textile articles < 3 years - 2 ppm textile material in textile articles > 3 years - 2 ppm leathers material in textile articles > 3 years - 200 ppm
						Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	1.0 mg/kg (baby) 2.0 mg/kg (other) EN 16711-2:2015 (textile)
7440-48-4	Cobalt	1 mg/kg (children) (1 ppm) 4 mg/kg (other) (4 ppm)	Egypt	Egypt ES 7322/2018 for leather	ISO 17072-1: 2019	Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	1.0 mg/kg (baby) 4.0 mg/kg (other) EN 16711-2:2015 (textile)
7440-39-3	Barium	1000 mg/kg (1000 ppm)	Egypt	Egypt ES 7322/2018 for leather	ISO 17072-1: 2019		
7782-49-2	Selenium	500 mg/kg (500 ppm)	Egypt	Egypt ES 7322/2018 for leather	ISO 17072-1: 2019		Egypt ES 7266-4/2023 Textile articles100 ppm Textile articles - accesories such as jewellery, buttons, snaps and zippers in garments 100 ppm
7439-97-6	Mercury	0.02 ppm (leachable)	Egypt	Egypt ES 7322/2018 for leather	ISO 17072-1: 2019	Saudi Arabia SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)	0.02 mg/kg EN 16711-2:2015 (textile)

Heavy Metals (Soluble)							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
7440-36-0	Antimony	30 mg/kg (30 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		
7440-38-2	Arsenic	25 mg/kg (25 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		
7440-39-3	Barium	1000 mg/kg (1000 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		
7439-92-1	Lead (Pb)	90 mg/kg (90 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020	China PVC artificial leather GB 21550-2008	90 mg/kg Soluble Heavy Metals
7439-97-6	Mercury	60 mg/kg (60 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		
7440-43-9	Cadmium (Cd)	75 mg/kg (75 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020	China PVC artificial leather GB 21550-2008	75 mg/kg. Soluble Heavy Metals.
7782-49-2	Selenium	500 mg/kg (500 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		
7439-97-6	Mercury	60 mg/kg (60 ppm)	Taiwan South Korea	Taiwan CNS 15503:2018 (children's product) KC Mark (children's product)	CNS 4797-2:2022 KS G ISO 8124-3:2020		

Heavy Metals (Total)							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comment**
7439-92-1	Lead (Pb)	90 ppm (total)	Minnesota	Minnesota Stat. 325E.3892	US: Non-metal: CPSC-CH-E1002-08.3 Metal: CPSC-CH-E1001-08.3 Lead in paint and surface coatings: CPSC-CH-E1003-09.1 Other: All materials except Leather: DIN EN 16711-1:2016 Leather: DIN EN ISO 17072-2	Korea Certification Mark (KC Mark, for more information review Appendix II)	90 ppm for coating 100 ppm for substrate Applies to textile products for children (0 - 12 years).
						United States, 16 C.F.R. §1303 – Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint Section 101 of the CPSIA	90 ppm CPSC-CH-E1003-09.1 For surface coating, U.S. rules for children 12 and under set at 90 ppm. CPSC determined textiles are exempt from testing since they are unlikely to contain lead in excess of 100ppm. Determination does not include post-production prints and surface coatings. U.S. federal lead substrate restrictions for each component in children's products (12 years and under). CPSC determined leather is exempt from testing since it is unlikely to contain lead in excess of 100 ppm.
						China, GB 30585-2014 (Safety technical specification for children's footwear) Will change to GB 30585-2024 on June 1, 2025	100 mg/kg. Lowers to 90 mg/kg on June 1, 2025 Applies to children's footwear (≤14 years old), Size of the shoes <250 mm (exclude children's rubber shoes). QB/T 4340 Footwear - Chemical test method - total heavy metal content - Inductively coupled plasma emission spectroscopy
						EU: European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Total Lead: 500 ppm. Rate of lead release of Lead: ≤0.05 µg/cm2/h (0.05 µg/g/h). This restriction is applicable to products which are supplied to the general public and can be placed in the mouth by children.
						Canada: SOR/2018-83 Consumer Products Containing Lead Regulations (For substrate)	90 mg/kg (90 ppm) Applies to children's products (under 14 years of age) and products brought into contact with the user's mouth
						Egypt ES 7266-4/2023	1000 ppm (total) in lead for glass materials accesories such as jewellery, buttons, snaps and zippers in garments. Test method: ASTM F2923:2020
7440-38-2	Arsenic (As)	100 mg/kg (100 ppm)	China	China, GB 30585-2014 (Safety technical specification for children's footwear)	QB/T 4340 Footwear - Chemical test method - total heavy metal content - Inductively coupled plasma emission spectroscopy		Applies to children's footwear (≤14 years old), Size of the shoes <250 mm (exclude children's rubber shoes) Applies to leather, plastics and film, and metals. GB 30585-2024 becomes effective on June 1, 2025. The new version does not include total arsenic.
7440-43-9	Cadmium (Cd)	40 mg/kg (40 ppm) 75 mg/kg (75 ppm)	Washington, USA Minnesota	Washington State Children's Product Safety Act Minnesota Stat. 325E.3892 (applies to a variety of products, including clothing, footwear, headwear, and accessories for both adults and children	US: Non-metal: CPSC-CH-E1002-08.3 Metal: CPSC-CH-E1001-08.3 Lead in paint and surface coatings: CPSC-CH-E1003-09.1 Other: All materials except Leather: DIN EN 16711-1:2016 Leather: DIN EN ISO 17072-2:2019	Egypt ES 7266-4/2023 for textile apparel ES 7322/2021 for leather	100 mg/kg 1000 ppm glass materials accesories such as jewellery, buttons, snaps and zippers in garments
						China, GB 30585-2014 (Safety technical specification for children's footwear) Will change to GB 30585-2024 on June 1, 2025	100 mg/kg Applies to children's footwear (≤14 years old) Size of the shoes <250 mm (exclude children's rubber shoes) 75mg/kg (Soluble heavy metals)
						European Union, European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	100 ppm Total Digestion (industry practice-not specified by the regulation) This restriction is applicable to jewelry, imitation jewelry and hair accessories. It is applicable to particular plastic materials such as PVC, PU, etc.

Miscellaneous							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
118685-33-9	Navy Blue	Prohibited; 0.1% by weight (1000 ppm) for EU	EU	European Union REACH Regulation (EC) No 1907/2006 Annex XVII		Norway, Egypt, and Switzerland: ORRChem textiles annex 1.13 (Art.3)	Restriction of Blue Colorant in EU applies to substances and mixtures only. (Egypt applies to finished textile products)
	pH value	4.0 - 7.5 (0-36 months) 4.0 - 8.5 (direct skin contact) 4.0 - 9.0 (without direct skin contact)	China	GB 18401-2010	GB/T 7573	Egypt, ES 6535/2008 - Not less than 3.5 Test Method: ISO 4045	For leather only
		4.0 - 7.5 (infant, children, innerwear, midwear) 4.0-9.0 (outerwear, bedding) 4.0 - 9.0 (outerwear, bedding)	South Korea	KC Mark	KS K ISO 3071 / ISO 3071		
75-01-4	Vinyl Chloride Monomer (VCM)	1 mg/kg (1 ppm)	Egypt	ES 7322/2011	ISO 6041: 2022 / §64 LFGB B80.32-1:1981-11 / 80/766/EC	Germany - "Bedarfsgegenstände Verordnung" German Consumer Goods Ordinance For polyvinyl chlordie artificial leather: China, GB 21550-2008 - Testing Method: GB/T 4615-1984 Limit: 5 mg/kg (5ppm)	
90-43-7	2-Phenylphenol	Textile, leather and synthetic leather: ≤ 2 years old: 0.5 ppm > 2 years old: 1 ppm	Saudi Arabia Gulf Cooperation Council (GCC)	SASO Technical Regulations for Textile Products Official Journal 13/12/1439 (24/8/2018)			Textile and leather articles < 2 years 0.5 ppm of OPP Textile and leather articles > 2 years 1 ppm of OPP Currently only enforced in Saudi Arabia

Miscellaneous							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
N-Nitrosamines							
62-75-9	N-Nitrosodiethylamine	Not detected (detection limit: 0.5 mg/kg (0.5 ppm))	China	GB 25036-2021 GB 25038-2021 GB 30585-2014	GB/T 24153		Only applicable for rubber component on vulcanized shoes *GB 30585-2014 (only applicable to rubber parts of infant shoes)
55-18-5	N-Nitrosodibutylamine						
621-64-7	N-Nitrosopiperidine						
924-16-3	N-Nitrosopyrrolidine						
100-75-4	N-Nitrosomorpholine						
930-55-2	1-Nitrosopyrrolidine						
59-89-2	Nitrosomorpholine						
614-00-6	N-Nitroso-N-methylaniline						
612-64-6	N-Nitroso-N-ethylaniline						

Miscellaneous							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
Asbestos							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
12001-28-4	Crocidolite	Not detected	European Union	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Microscopic examination; minimum magnification1-250, attached; ratio of fiber length to diameter is at polarized light filter least 3:1-(industry practice - not specified by the regulation)	Switzerland and Norway, and the U.S	
12001-29-5	Chrysotile						
12172-73-5	Amosite						
77536-66-4	Actinolite						
77536-67-5	Anthrophyllite						
77536-68-6	Tremolite						

Miscellaneous							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
Fluorinated Greenhouse Gases							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
2551-62-4	Sulfur hexafluoride - SF_6	Use Prohibited	European Union	European Union Regulation (EU) No 573/2024			To comply with due diligence requirement, document verification is the most effective way of supporting compliance with these legal requirements. Examples include, but are not limited to, declaration of none-use or specific compliance certificates of used chemical.
75-46-7	HFC-23 - CHF_3						
75-10-5	HFC-32 - CH_2F_2						
593-53-3	HFC-41 - CH_3F						
138495-42-8	HFC-43-10mee - $C_5H_2F_{10}$						
354-33-6	HFC-125 - C_2HF_5						
359-35-3	HFC-134 - $C_2H_2F_4$						
811-97-2	HFC-134a - CH_2FCF_3						
75-37-6	HFC-152a - $C_2H_4F_2$						
430-66-0	HFC-143 - $C_2H_3F_3$						
420-46-2	HFC-143a - $C_2H_3F_3$						
431-89-0	HFC-227ea - C_3HF_7						
677-56-5	HFC-236cb - $CH_2FCF_2CF_3$						

Miscellaneous							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
431-63-0	HFC-236ea - CHF_2CHFCF_3						
690-39-1	HFC-236fa - $C_3H_2F_6$						
679-86-7	HFC-245ca - $C_3H_3F_5$						
460-73-1	HFC-245fa - $CHF_2CH_2CF_3$						
406-58-6	HFC-365mfc - $CF_3CH_2CF_2CH_3$						
Perfluorocarbons (PFCs):							
75-73-0	Perfluoromethane - CF_4						
76-16-4	Perfluoroethane - C_2F_6						
76-19-7	Perfluoropropane - C_3F_8						
355-25-9	Perfluorobutane - C_4F_{10}						
678-26-2	Perfluoropentane - C_5F_{12}						
355-42-0	Perfluorohexane - C_6F_{14}						
115-25-3	Perfluorocyclobutane - c-C_4F_8						

Organotin Compounds							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
1002-53-5	Dibutyltin (DBT)	South Korean: 1 mg/kg (1 ppm) EU: 0.1% by weight of tin	South Korea, and the EU	Self Regulatory Confirmation Notice (Notice No. 2007-34) issued by Korean Agency for Technology and Standards European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	KS K 0737 DIN ISO/TS 16179: 2012-08	.	South Korea: Applies to baby clothing only (less than 36 months).
15231-44-4	Dioctyltin (DOT)	0.1% by weight of tin	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	KS K 0737 DIN ISO/TS 16179: 2012-08	Turkey	EU requirement applicable to some specific products, such as textiles with direct skin contact, childcare articles, etc.
56573-85-4	Tributyltin (TBT)	Prohibited	Canada	Prohibition of Certain Substances Regulation, 2012 (SOR/2012-285)	Taiwan test method: CNS 15853-1 DIN ISO/TS 16179: 2012-08	Japan, South Korea (KC Mark, for more information review Appendix II), Taiwan, and Turkey	South Korea also regulates TBT for baby clothing (less than 24 months), for bedclothes, and products that come into skin contact.
668-34-8	Triphenyltin (TPhT)	Taiwan: 1 mg/kg (1 ppm) EU: 0.1% by weight of tin	Taiwan, EU	Taiwan: CNS 15290 European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Recommended test method CNS 15853-1 EN ISO 17353 (modified)/ EN ISO/TS 16179:2012 for footwear.	Japan and Turkey	Taiwan: <0.5 mg/kg (infant only) ; <1.0 mg/kg (direct skin contact)
Various	All tri-substituted organotin compounds including TBT and TPhT)	0.1% by weight of tin	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Recommended test method EN ISO 17353 (modified)/ EN ISO/TS 16179:2012 for footwear.		

683-18-1	Dibutyltin dichloride	5 mg/kg (5 ppm)	India	IS 17011:2018	IS 16981		Only applicable to footwear
56-35-9	Bis(Tributyltin)oxide	1ppm	India	IS 17011:2018	IS 16981		Only applicable to footwear
78763-54-9	Monobutyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
250252-89-2	Trioctyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
761-44-4	Tripropyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
36580-86-6	Tricyclohexyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
5089-96-3	Trimethyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
1461-25-2	Tetrabutyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
597-64-8	Tetraethyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
16408-14-3	Dimethyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
16408-15-4	Monomethyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear
3091-25-6	Monooctyltin	1 ppm	Egypt	ES 7266-4	EN ISO 22744-1:2020		All textile products not including footwear

Polycyclic aromatic hydrocarbons (PAH)							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
91-20-3	Naphthalene (Taiwan only)	Taiwan: Benzo(a)pyrene: 1 mg/kg (1 ppm) Total of 16 PAH: 10 mg/kg (10 ppm)	Taiwan	CNS 3478 (Plastic shoes) CNS 15503 (children products) (up to age 14)	CNS 3478 Clause 6.18		
208-96-8	Acenaphthylene (Taiwan only)						
83-32-9	Acenaphthene (Taiwan only)						
86-73-7	Fluorene (Taiwan only)						
85-01-8	Phenanthrene (Taiwan only)						
120-12-7	Anthracene (Taiwan only)						
206-44-0	Fluoranthene (Taiwan only)						
129-00-0	Pyrene (Taiwan only)						
191-24-2	Benzo(g,h,i)perylene (Taiwan only)						
193-39-5	Indeno(1,2,3-cd)pyrene (Taiwan only)						
218-01-9	Chrysene (Taiwan and EU)	Taiwan: Benzo(a)pyrene: 1 mg/kg (1 ppm) Total of 16 PAH: 10 mg/kg (10 ppm) EU (8 PAH) Articles with prolonged skin contact with: 1 mg/kg (each) (1 ppm) Childcare article: 0.5 mg/kg (each) (0.5 ppm)	EU, Taiwan	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entries 50 and 72 CNS 3478 (Plastic shoes) CNS 15503 (children products) (up to age 14)	AfPS GS 2019:01 PAH		
56-55-3	Benzo(a)anthracene (Taiwan and EU)						
205-99-2	Benzo(b)fluoranthene (Taiwan and EU)						
207-08-9	Benzo(k)fluoranthene (Taiwan and EU)						
50-32-8	Benzo(a)pyrene (Taiwan and EU)						
53-70-3	Dibenzo(a,h)anthracene (Taiwan and EU)						
192-97-2	Benzo(e)pyrene (EU only)						
205-82-3	Benzo(j)fluoranthene (EU only)						

Pesticides							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
93-72-1	2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds	Prohibited	Switzerland, EU	European Union POPs Regulation (EU) 2019/1021 Annex I Switzerland: ChemRRV (Chemikalien-Risikoreduktions-Verordnung) Art. 3 Appendix 1.1	U.S. EPA Method 8081A/ 8151A - (industry practice - not specified by the regulation)	Japan, South Korea	For Dieldrin, PCP, and TeCP, South Korea restrictions apply at different levels for underwear, baby clothing (<24 months) and bedclothes
93-76-5	2,4,5-trichlorophenoxyacetic acid, its salts and compounds						
309-00-2	Aldrin (Switzerland and EU POPs)						
57-74-9	Chlordane (Switzerland and EU POPs)						
72-54-8	Dichloro-diphenyl-dichloro ethane (DDD)						
72-55-9	Dichloro-diphenyl-dichloro ethylene (DDE)						
50-29-3	Dichloro-diphenyl-trichloro ethane (DDT) (both Switzerland)						
60-57-1	Dieldrin						
72-20-8	Endrine						
76-44-8	Heptachlorine (Switzerland and EU POPs)						
1024-57-3	Epoxy-heptachlorine						
115-29-7 959-98-8 33213-65-9	Endosulfan and its isomers	Prohibited	EU	European Union POPs Regulation (EU) 2019/1021			
36355-01-8	Hexabromobiphenyl						
608-93-5	Pentachlorobenzene	Prohibited	EU	European Union POPs Regulation (EU) 2019/1021	EN 17137:2018	Switzerland	
608-90-2	Pentabromobenzene	Prohibited	EU	European Union POPs Regulation (EU) 2019/1021 Annex I			

Pesticides							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
63405-99-2	4,6-Dichloro-7 (2,4,5-trichloro-phenoxy) 0-2-trifluoro methyl benz-imidazole (DTTB)	≤ 30 ppm	Japan	Japan Law for the Control of Household Products			Textile Products (diaper cover, underwear, sleepwear, gloves, socks and stockings, inner wear, outerwear, headwear, bedding, pillows and floor covering, household yarn) Only
118-74-1	Hexachlorobenzene (Switzerland and EU POPs)	Prohibited	Canada, Switzerland, EU	Canada: Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285) Switzerland: ChemRRV (Chemikalien-Risikoreduktions-Verordnung) Art. 3 Appendix 1.1 European Union POPs Regulation (EU) 2019/1021 Annex I			
608-73-1	Hexachlorocyclohexane (HCH, all isomers) except gamma-hexachlorocyclohexane (except linande [58-89-9] in medical products) (Switzerland and EU POPs)						
465-73-6	Isodrin						
4234-79-1	Kelevane						
143-50-0	Kepone (Chlordecone) (Switzerland and EU POPs)						
87-86-5	Pentachlorophenol (PCP), its salts and compounds	Not used (textiles and leather) ≤ 5 mg/kg (5 ppm) (wood based materials) China: 0.5ppm for footwear (textiles, synthetic leather, leather, and fur) Pentachlorophenol (PCP) and its salts and esters equal to or below 5 mg/kg (5 ppm)	Switzerland, EU, and China	POP Regulation (EU) 2019/1021 Switzerland: ChemRRV (Chemikalien-Risikoreduktions-Verordnung) Art. 3 Appendix 1.1 and Appendix 2.17 China GB 25038	China: GB/T 18414.1 or GB/T 22808 EU: EN 17134-2:2023	Spain, Egypt, Denmark, Germany, the Netherlands, Austria, Norway, and South Korea, banned in GB 25038	

Pesticides							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
25167-83-3 935-95-5	Tetrachlorophenol (TeCP), its salts and compounds 2,3,5,6-TeCP	Not detected (0.5 mg/kg (5 ppm))	China	GB 25038	GB/T 18414.1	Switzerland	2,3,5,6-TeCP is banned in China GB 25038 for footwear
624-49-7	Dimethyl Fumarate	Prohibited	EU	European Union REACH regulation (EC) No. 1907/2006 Annex XVII, limit 0.1 mg/kg (1 ppm)	CNS 15331 Annex C	South Korea (KC Mark, for more information review Appendix II), Norway, and Taiwan Switzerland, China	0.1 ppm - China (GB 30585-2014, GB 25038) for footwear
115-32-2	Dicofol	None	EU	European Union POPs Regulation (EU) 2019/1021 Annex I	EN ISO 15913:2003 or EPA 8081/EPA 8151A or BVL L 00.00-34:2010-09		

Pesticides							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
72-43-5	Methoxychlor	Prohibited	Canada, Switzerland, EU	Canada: Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285) Switzerland: ChemRRV (Chemikalien-Risikoreduktions-Verordnung) Art. 3 Appendix 1.1 European Union POPs Regulation (EU) 2019/1021 Annex I			Since 17-10-2024 Methoxychlor is new entry in POP regulation limit is equal or below 0.01 mg/kg. The restrction includes articles. Cas.nr: 72-43-5 30667-99-3 76733-77-2 255065-25-9 255065-26-0 59424-81-6 1348358-72-4
2385-85-5	Mirex (Switzerland and EU POPs)						
72-56-0	Perthane						
82-68-8	Quintozene						
8001-50-1	Strobane						
297-78-9	Telodrin						
8001-35-2	Toxaphene (Switzerland and EU POPs)						
1336-36-3 53469-21-9 and Various	Halogenated biphenyls, including Polycholorinated biphenyl (PCB) (both Switzerland)						
Various	Halogenated terphenols, including Polychlorinated terphenyl (PCT)						
Various	Halogenated naphthalenes						
Various	Halogenated diarylalkanes						
Various	Halogenated diphenyl methanes						
99688-47-8	Monomethyl-dibromo-diphenyl methane						
81161-70-8	Monomethyl-dichloro-diphenyl methane						
76253-60-6	Monomethyl-tetrachloro-diphenyl methane						

PFAS

AAFA has released a state by state side by side of the various state level existing and draft PFAS regulations and requirements. Different states are exploring a variety of restrictions, labeling, and reporting requirements for a variety of products. The most recent version can always be found here: https://www.aafaglobal.org/AAFA/Solutions_Pages/US_PFAS_Regulations.aspx

CAS Number	Chemical Name	Restriction /Maximum Limit on Final Product or Tested Component	Country	Regulation	Test Method	Other Countries, U.S. States that also Regulate this Substance	Comments
U.S. State Requirements:							
Various, defined as a class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom.	Perfluoroalkyl and polyfluoroalkyl substances	< 100 ppm Total Organic Fluorine (intentionally added PFAS)	California	A.B. 1817		Maine, Colorado, New York, Vermont, Connecticut, Rhode Island	Limit drops to 50 ppm on January 1, 2027. Apparel definition includes footwear. Limited exceptions for PPE, clothing for exclusive use of U.S. military, and other non-apparel specified items, including carpets and rugs. Extreme apparel also subject to labeling as well as limitations but on different timeline. Note: Colorado take effect Jan 1 2028 with a clarified definition, clarify product scope. Note: Maine takes effect Jan 1, 2026 for apparel, with all producets phased in by-2032. Note: New York PFAS requirements will closely track California requirements, but may be subject to different scope, timelines, and threshholds as a function of the regulatory process. Effective January 1, 2025 prohibits intentionally added PFAS in apparel. Effective January 1, 2027 prohibits PFAS at or above levels to be estalished by the state, regardless of whether PFAS was intentionally added. January 1, 2028 prohibits apparel for severe wet conditions with intentionally added PFAS. Note: Connecticut takes effect July 1, 2026 and prohibits intentionally added PFAS unless manufacturers provide notification to the department of energy and environmental protection and the product must be labeled. Beginning January 1, 2028, the state will prohibit intentionally added PFAS. Note: Vermont currently takes effect Jan 1, 2026 with a TOF limit of 100ppm No specified testing method for PFAS in regulations, however industry standards are EN 14582:2016 or ASTM D7359:2023
International Requirements							
Various	Perfluorooctane sulfonic acid and its derivatives (PFOS)	1 µg/m² (textiles or other coated materials) < 0.1% (1000 ppm) for articles	EU	European Union POPs Regulation (EU) 2019/1021 Annex I		Canada and Norway, Egypt, Switzerland, Turkey, Taiwan	POPs under the Stockholm Convention. The Canadian Environmental Protection Act, 1999 (CEPA 1999), Registration SOR 2008/178 prohibits the manufacture, use, sale, offer for sale and import of PFOS, as well as products containing PFOS. No specified testing method for PFAS in regulations, however industry standard is EN 17681-1/2.
Various	Perfluorooctanoic acid (PFOA), its salts and PFOA-related substance	0.025 ppm (25 ppb) PFOA; ∑ 1 ppm PFOA-related substance:	EU	European Union POPs Regulation (EU) 2019/1021 Annex I	CEN/TS 15968:2010 (shoes) EN 17681-1 (apparel)	Switzerland, Japan	POPs under the Stockholm Convention EU- Allowed for textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety, until 4 July 2023
Various	Perfluorohexanesulfonic acid (PFHxS) and related compounds.	∑ 25 ppb PFHxS; ∑ 1000 ppb PFHxS-related substances	EU	European Union POPs Regulation (EU) 2019/1021 Annex I		Switzerland and Japan	It is strongly recommended to use prEN 17681-1:2024 draft standard as the test method for PFAS in textiles in the future, instead of the currently valid standards, to ensure the legal compliance of products placed on the market. A preliminary or additional measurement of the total fluorine content (TF) according to EN 14582:2016 can be useful to detect intentional use of PFAS and subsequently compare it with results of the target analysis according to prEN17681-1:2024 Ban on PFAS ein Denmark :The executive order on the ban is expected to be ready on 1 July 2025. The goverment proposes to give businesses a transition period of one year meaning the ban would apply from 1 July 2026
Various	C9-C14 Linear and branched perfluorocarboxylic acids (PFCA), including their salts an related substances	∑ 25 ppb C9-C14 PFCA; ∑ 260 ppb C9-C14 PFCA-related substances	EU	European Union REACH Regulation (EC) No 1907/2006 Annex XVII		Switzerland	
Various	Perfluorohexanoic acid (PFHxA), its salts and PFHxA-related substance	∑ 25 ppb PFHxA; ∑ 1000 ppb PFHxA-related substances	EU	European Union REACH Regulation (EC) No 1907/2006 Annex XVII, Entry 79			EU REACH Annex XVII Entry 79 - Effective from Oct 10, 2026 for clothing and footwear

Phthalates							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
117-81-7	Di (2-ethylhexyl) phthalate (DEHP)#	**EU - REACH Annex XVII entry 51**: DEHP, DBP, BBP, DIBP (individually or in any combination): < 0.1% by weight (1000 ppm) of the plasticised material in: **EU - REACH Annex XVII entry 52:** DINP, DIDP, DNOP (individually or in any combination): < 0.1% by weight (1000 ppm) **EU - REACH Annex XVII entry 72:** **P**hthalates marked with # in previous column: < 0.1% by weight (1000 ppm) (individually or in any combination) **USA - CPSIA**: DEHP, DBP, BBP, DINP, DIBP, DPP, DHEXP and DCHP: < 0.1% by weight (1000 ppm) (each) **Canada -CCPSA**: The vinyl in a toy or child care article: DEHP, DBP, BBP: < 1000 mg/kg (1000 ppm) (each); The vinyl in any part of a toy or child care article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years: DINP, DIDP, DNOP: < 1000 mg/kg (1000 ppm) (each)	EU, USA, Canada	EU - REACH Annex XVII entry 51, 72, SVHC Candidate List USA - CPSIA Canada - CCPSA	CPSC-CH-C1001-09.3 or GB/T 22048-2008 or ISO14389: 2022 Taiwan: CNS 15138	USA Washington CSPA, California Proposition 65, California Health and Safety Code, Division 104, Part 3, Chapter 11, Vermont Statute 18 V.S.A. § 1511, Vermont CHCC, Oregon HPCCCH, Maine Regulated Priority Chemicals South Korea - Special Act on the Safety Control of Children's Products, Common safety standards for children's products, Electrical Appliances & Consumer Product Safety Management Law China - GB 30585, GB 31701, GB 25038 Taiwan - CNS 15503 Egypt ES 7266-4, Textile articles: BBP, DBP, DEP, DMP,DEHP, DMEP, DIHP, DHNUP, DCHP, DHxP, DIBP, DIHxP, DIOP, DINP, DIDP,DPrP, DHP. DNOP, DNP, DPP, 1,2-Benzenedicarboxylic acid, di-C6 10 alkyl esters, 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters: 500 ppm in textile articles and 1000 ppm in metal accesories. India IS 17011:2018 Chemical requirements for Footwear and footwear materials, Footwear and footwear components. 500 ppm for DINP, DNOP, DEHP, DIDP, BBP, DBP and DIBP.	EU - REACH Annex XVII entry 51 - Toys and childcare articles; - Articles containing plasticised materials including: • used in indoor environments or • used in the open air which come into contact with human mucous membranes or prolonged contact with human skin REACH Annex XVII Entry 52 The plasticised material in toys and childcare articles which can be placed in the mouth by children REACH Annex XVII Entry 72 Clothing or related accessories; Textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; Footwear USA: CPSIA - Toys and childcare articles Washington - CSPA/ RCW 70.240.020: Toys and children's products under 12 years: DEHP, DBP,BBP, DINP, DIDP, DNOP: ≤ 1000 ppm (sum) Washington, Orgeon, Vermont, Maine (Reporting obligation): Children's products California HSC, Vermont : Toys and child articles South Korea: Children's products: sum of DEHP, DBP,BBP, DINP, DIDP, DNOP, DIBP: 0.1% by weight 1000 ppm; Adult products: sum of DEHP, DBP,BBP: 0.1% by weight (1000 ppm) China - GB 30585-2014 regulate Infant's footwear (0-36 months, footwear ≤170 mm): DEHP, DBP,BBP, DINP, DIDP, DNOP: 0.1% by weight (1000 ppm) Children's footwear (36 months – 14 years,footwear: >170 mm, but ≤ 250 mm): DEHP,DBP, BBP: 0.1% by weight (1000 ppm) GB 31701 - Infants and children's textile products textiles containing coating and print dyeing: DEHP, DBP, BBP: 0.1% by weight; DINP, DIDP, DNOP: 0.1% by weight Taiwan: CNS 15503: Children's products: DEHP, DBP,BBP, DINP, DIDP, DNOP: 0.1% by weight 1000 ppm (each and sum)
85-68-7	Benzyl Butyl phthalate (BBP)#						
84-74-2	Di-n-butyl phthalate (DBP)#						
68515-48-0 28553-12-0	Di-isononyl phthalate (DINP)			EU - REACH Annex XVII entry 52 USA - CPSIA Canada - CCPSA			
68515-49-1 26761-40-0	Di-isodecyl phthalate (DIDP)		EU, Canada	EU - REACH Annex XVII entry 52 Canada - CCPSA			
117-84-0	Di-n-octyl phthalate (DNOP)						

Phthalates							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
84-69-5	Diisobutyl phthalate (DIBP)#		EU, USA	EU - REACH Annex XVII entry 51, 72, SVHC Candidate List USA - CPSIA		USA - Washington CHCC, Vermont CHCC, Oregon HPCCCH South Korea - Special Act on the Safety Control of Children's Products, Common safety standards for children's products	
84-75-3	Di-n-hexyl phthalate (DnHP/DHEXP)#			EU - REACH Annex XVII entry 72, SVHC Candidate List USA - CPSIA		USA - Washington CHCC, California Proposition 65 (DnHP), Vermont CHCC (DnHP), Oregon HPCCCH Denmark - Statutory Order 947 of 20/06/2020	Denmark: Toys and childcare articles for children 0-3 years old: Phthalates (Except DEHP, DNOP, BBP, DBP, DIBP, DINP, DIDP): 0.05% by weight (each)
131-18-0	Dipentyl phthalate (DPP)#						
84-61-7	Dicyclohexyl phthalate (DCHP)#						
27554-26-3	Di-iso-octylphthalate (DIOP)#		EU	EU - REACH Annex XVII entry 72		Denmark - Statutory Order 947 of 20/06/2020	
605-50-5	Diisopentylphthalate (DiPP)#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
71888-89-6	1,2-benzenedicarboxylic acid; di-C 6-8-branched alkylesters, C 7-rich (DIHP)#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
117-82-8	Bis(2-methoxyethyl) phthalate (DMEP)#		EU, USA	EU - REACH Annex XVII entry 72, SVHC Candidate List		USA - Washington CHCC, Vermont CHCC Denmark - Statutory Order 947 of 20/06/2020	
68515-42-4	1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters (DNHUP)#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List		Denmark - Statutory Order 947 of 20/06/2020	
84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
776297-69-9	N-pentyl-isopentylphthalate (nPIPP)#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
71850-09-4	Di-iso-hexylphthalate (DIHxP)#		EU	EU - REACH Annex XVII entry 72, SVHC Candidate List			
68515-51-5, 68648-93-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	Denmark - Statutory Order 947 of 20/06/2020: Toys and childcare articles for children 0-3 years old: Phthalates (Except DEHP, DNOP, BBP, DBP, DIBP, DINP, DIDP): 0.05% (500 ppm) by weight (each)	EU, Denmark	EU - SVHC Candidate List Denmark - Statutory Order 947 of 20/06/2020			
131-11-3	Dimethyl phthalate (DMP)		USA, Denmark	Denmark - Statutory Order 947 of 20/06/2020			
84-66-2	Diethyl phthalate (DEP)		USA, Denmark	Denmark - Statutory Order 947 of 20/06/2020		USA - Washington CHCC, Maine Regulated Priority Chemicals	
26040-51-7	Bis(2-ethylhexyl) tetrabromophthalate (TBPH)		USA	EU - SVHC Candidate List Denmark - Statutory Order 947 of of 20/06/2020		USA - Washington CSPA, Vermont CHCC	

Solvents							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
127-19-5	N,N-dimethylacetamide (DMAC)	3 000 mg/kg (3000 ppm)	EU	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII entry 72	CEN ISO/TS 16189	**Egypt:** **ES 7266-4/2023, Limit: 500 ppm, Except clothes made of acrylic and Lycra polyurethane, polyimide and aramid. /(Spandex): 1000ppm**	Both are SVHC limit of 1000 mg/kg
68-12-2	N,N-dimethylformamide; dimethyl formamide (DMF)	3 000 mg/kg (3000 ppm)	EU			**Egypt:** **ES 7266-4/2023, Limit: 500 ppm, Except clothes made of acrylic and Lycra polyurethane, polyimide and aramid. /(Spandex): 1000ppm**	
872-50-4	N-methyl-2-pyrrolidone (NMP)	3 000 mg/kg (3000 ppm)	EU				New add to CMR restriction in Textile under REACH Annex XVII
71-43-2	Benzene	5 mg/kg (5 ppm)	EU				
5216-25-1	α, α,α,4-tetrachlorotoluene; p-chlorobenzotrichloride	1 mg/kg (1 ppm)	EU		EN 17137:2018		
98-07-7	α, α,α-trichlorotoluene; benzotrichloride	1 mg/kg (1 ppm)	EU				
100-44-7	α-chlorotoluene; benzyl chloride	1 mg/kg (1 ppm)	EU				
56-23-5	Carbon Tetrachloride	0.1% (mass) (1000 ppm) - Each	Japan	Japan Law for the Control of Household Products Containing Harmful Substances	Headspace for components (industry practice - not specified by the regulation)	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII (Restriction applies to substances and mixtures) only for Pentachloroethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Chloroform, 1,1,2-Trichloroethane, 1,1-Dichloroethylene, and Trichloroethylene Regulation (EC) No. 1005/2009 Denmark	
71-55-6	1,1,1-Trichloroethane						

Solvents							
CAS Number	**Chemical Name**	**Restriction /Maximum Limit on Final Product or Tested Component**	**Country**	**Regulation**	**Test Method**	**Other Countries, U.S. States that also Regulate this Substance**	**Comments**
76-01-7	Pentachloroethane	0.1% (mass) - Each	Germany, Japan	Germany: Chemikalienverbots-verordnung (Prohibition of Chemicals Ordinance), section 16 Japan Law for the Control of Household Products Containing Harmful Substances	Headspace for components (industry practice - not specified by the regulation)	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII (Restriction applies to substances and mixtures) only for Pentachloroethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Chloroform, 1,1,2-Trichloroethane, 1,1-Dichloroethylene, and Trichloroethylene Regulation (EC) No. 1005/2009 Denmark	
630-20-6	1,1,1,2-Tetrachloroethane						
79-34-5	1,1,2,2-Tetrachloroethane						
67-66-3	Chloroform						
79-00-5	1,1,2-Trichloroethane						
75-35-4	1,1-Dichloroethylene						
79-01-6	Trichloroethylene						
127-18-4	Tetrachloroethylene (Japan only)						
	Volatile organics (PVC Artificial Leather)	≤20 g/m^2 (total VOC)	China	GB 21550-2008 (PVC artificial leather)	GB 21550 Clause 5.5		For GB 21550, it is not banned for chlorinated solvents, but all Volatile Organic, by measuring the weight difference of a PVC leather in an oven at 100°C for 6 hours This regulation applies to all textiles and footwear products containing PVC artificial leather

Glossary of Terms/Acronyms related to the AAFA RSL list

BS—British Standard

CAS—Chemical Abstracts Service. CAS Registry Numbers (often referred to as CAS RNs or CAS Numbers) are unique identifiers for chemical substances. CAS is a division of the American Chemical Society. See www.cas.org.

CEN—European Committee for Standardization

CPSC - Consumer Product Safety Commission. Main U.S. government agency responsible for product safety and for enforcement of CPSIA.

CPSIA - Consumer Product Safety Improvement Act

Detection limit—the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit

DIN—German Institute for Standardization (Deutsches Institut für Normung)

Dioxins and Furans—Chemical compounds that are an undesirable by-product in the manufacture of herbicides, disinfectants, and other agents

EEC—European Economic Community

EN—European Standard

EPA—Environmental Protection Agency (U.S.)

EU—European Union

GB—Guo Biao in Chinese which means National Standards

GC-MS—Gas Chromatography/Mass Spectrometer - instrument used to identify components of mixtures or unknown substances - liquids, gases.

ISO—International Organization for Standardization

JIS—Japanese Industrial Standard

KOH—Potassium Hydroxide

LFGB— German Food, Commodities and Feed Code (Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch)

LC-MS—Liquid Chromatography/Mass Spectrometer - instrument used to identify components of mixtures or unknown substances - liquids, gases.

mg/L—milligram per liter

mg/kg—milligram per kilogram

MSDS Information—Material Safety Data Sheet Information – this is chemical safety & toxicological information supplied with chemicals

NaOH—Sodium Hydroxide

Percent by Mass—also called weight percent or percent by weight, this is the mass of the solute divided by the total mass of the solution and multiplied by 100% (also see ppm)

Pesticide—A chemical agent or substance used for destroying pests

PFAS - Per- and polyfluoroalkyl substances

ppm—Parts Per Million. A unit describing concentrations of chemical substances. 1 ppm can also be notated as 1 milligram per kilogram (mg/kg) or 1 microgram per gram (µg/g).

ppb—Parts per Billion. A unit describing concentrations of chemical substances. 1 ppb can also be notated as 1 microgram per kilogram (µg/kg).

REACH - Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals. It entered into force on 1st June 2007. It streamlines and improves the former legislative framework on chemicals of the European Union (EU).

Solvent—A substance in which another substance is dissolved, forming a solution.

SVHC – Substances of very high concern, (Candidate List of substances of very high concern for Authorization)

Test method – A definitive procedure that produces a test result.

UK—United Kingdom

Appendix IA	**Reporting: Appendix IA lists SVHC reporting and registration (EU SCIP Database) requirements for the European market that are not necessarily otherwise listed in the RSL.** **This list is current as of November 2024. For current SVHC reporting and registration requirements, please visit the following site:** **https://echa.europa.eu/candidate-list-table**

EU REACH Substances of Very High Concern (SVHC):

No.	Chemical Name	CAS Number	Restriction / Limit Triggering Reporting in Article
1	Triethyl arsenate	15606-95-8	over 0.1% for all SVHC entries
2	Anthracene	120-12-7	
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	
4	Dibutyl phthalate (DBP)	84-74-2	
5	Cobalt dichloride	7646-79-9	
6	Diarsenic pentaoxide	1303-28-2	
7	Diarsenic trioxide	1327-53-3	
8	Sodium dichromate	7789-12-0(1), 10588-01-9(2)	
9	5-tert-butyl-2,4,6-trinitrom-xylene (musk xylene)	81-15-2	
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified:a - HBCDD b - HBCDD g - HBCDD	3194-55-6(3), 25637-99-4(4), 134237-50-6, 134237-51-7, 134237-52-8	
12	Alkanes, C10-13, chloro (Short ChainChlorinated Paraffins) (SCCP)	85535-84-8	
13	Bis(tributyltin)oxide (TBTO)	56-35-9	
14	Lead hydrogen arsenate	7784-40-9	
15	Benzyl butyl phthalate (BBP)	85-68-7	
16	2,4-Dinitrotoluene	121-14-2	
17	Anthracene oil	90640-80-5	
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	
20	Anthracene oil, anthracene-low	90640-82-7	
21	Anthracene oil, anthracene paste	90640-81-6	
22	Diisobutyl phthalate (DiBP)	84-69-5	
23	Aluminosilicate, Refractory Ceramic Fibres	650-017-00-8(Index no.)	
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres	650-017-00-8(Index no.)	
25	Lead chromate	7758-97-6	
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	
27	Lead sulfochromate yellow (C.I. PigmentYellow 34)	1344-37-2	
28	Acrylamide	79-06-1	
29	Tris(2-chloroethyl) phosphate	115-96-8	
30	Coal tar pitch, high temperature	65996-93-2	

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EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
31	Trichloroethylene	79-01-6	
32	Boric acid	10043-35-3 /11113-50-1	
33	Disodium,tetraborate,anhydrous	1330-43-4, 12179-04-3, 1303-96-4	
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	
35	Sodium chromate	7775-11-3	
36	Potassium chromate	7789-00-6	
37	Ammonium dichromate	7789-09-5	
38	Potassium dichromate	7778-50-9	
39	Cobalt(II) diacetate	71-48-7	
40	Cobalt(II) carbonate	513-79-1	
41	Cobalt(II) dinitrate	10141-05-6	
42	Cobalt(II) sulphate	10124-43-3	
43	2-Ethoxyethanol	110-80-5	
44	2-Methoxyethanol	109-86-4	
45	Chromium trioxide	1333-82-0	
46	Acids generated from chromium trioxide and their oligomers: Chromic acid and Dichromic acid	7738-94-5 13530-68-2	
47	2-ethoxyethyl acetate	111-15-9	
48	Strontium chromate	7789-06-2	
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	
50	Hydrazine	7803-57-8, 302-01-2	
51	1-methyl-2-pyrrolidone	872-50-4	
52	1,2,3-trichloropropane	96-18-4	
53	1,2-Benzenedicarboxylic acid,di-C6-8-branched alkyl esters, C7-rich (DIHP)	7188-89-6	
54	Lead styphnate	15245-44-0	
55	Lead diazide, Lead azide	13424-46-9	
56	Lead dipicrate	6477-64-1	
57	Phenolphthalein	77-09-8	
58	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	
59	N,N-dimethylacetamide (DMAC)	127-19-5	
60	Trilead diarsenate	3687-31-8	
61	Calcium arsenate	7778-44-1	

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EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
62	Arsenic acid	7778-39-4	
63	Bis(2-methoxyethyl) ether	111-96-6	
64	1,2-Dichloroethane	107-06-2	
65	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol	140-66-9	
66	2-Methoxyaniline; o-Anisidine	90-04-0	
67	Bis(2-methoxyethyl) phthalate	117-82-8	
68	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	
69	Pentazinc chromate octahydroxide	49663-84-5	
70	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	
71	Dichromium tris(chromate)	24613-89-6	
72	1,2-bis(2methoxy-ethoxy) ethane (TEGDME;triglyme)	112-49-2	
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	
74	4,4'-bis(dimethylamino)-4'(methyl-amino)trityl alcohol (C.I. Solvent Violet 8)	561-41-1	
75	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	
76	[4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	
77	N,N,N',N'-tetramethyl-4,4'methylenedianiline(Michler's base)	101-61-1	
78	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	
79	Diboron trioxide	1303-86-2	
80	Formamide	75-12-7	
81	Lead(II) bis(methanesulfonate)	17570-76-2	
82	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	
83	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5- triazine-2,4,6(1H,3H,5H)trione) (β-TGIC)	59653-74-6	
84	[4-[4,4'-bis(dimethyl- amino)benzhydylidene]cyclohexa-2,5-dien-1- ylidene]dimethyl ammonium chloride (C.I. Basic Violet 3)	548-62-9	
85	Bis(pentabromophenyl) ether (deca-BDE)	1163-19-5	
86	Pentacosafluorotridecanoic acid	72629-94-8	
87	Henicosafluoroundecanoic acid	2058-94-8	
88	Tricosafluorododecanoic acid	307-55-1	
89	Heptacosafluorotetradecanoic acid	376-06-7	
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated – covering well defined substances and UVCB substances, polymers and homologues	-	

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EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
91	4-nonylphenol, branched and linear – substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bonded in position 4 to phenol, covering also UVCB and well-defined substances which include any of the individual isomers or a combination thereof	-	
92	Diazene-1,2-dicarboxamide (C,C'- azodi(formamide)	123-77-3	
93	Cyclohexane-1,2-dicarboxylic anhydride(Hexahydrophthalic anhydride- HHPA)cis-cyclohexane-1,2-dicarboxylic anhydride trans-cyclohexane-1,2-dicarboxylic anhydride(The individual cis- and trans- isomer and all possible combinations of the cis- and trans-)	85-42-7, 13149-00-3, 14166-21-3	
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	
95	Methoxy acetic acid	625-45-6	
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	
97	Diisopentylphthalate (DIPP)	605-50-5	
98	N-pentyl-isopentylphthalate	776297-69-9	
99	1,2-Diethoxyethane	629-14-1	
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	
101	Dibutyltin dichloride (DBT)	683-18-1	
102	Acetic acid, lead salt, basic	51404-69-4	
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	
106	Dioxobis(stearato)trilead	12578-12-0	
107	Fatty acids, C16-18, lead salts	91031-62-8	
108	Lead bis(tetrafluoroborate)	13814-96-5	
109	Lead cynamidate	20837-86-9	
110	Lead dinitrate	10099-74-8	
111	Lead oxide (lead monoxide)	1317-36-8	
112	Lead tetroxide (orange lead)	1314-41-6	
113	Lead titanium trioxide	12060-00-3	
114	Lead titanium zirconium oxide	12626-81-2	
115	Pentalead tetraoxide sulphate	12065-90-6	
116	Pyrochlore, antimony lead yellow	8012-00-8	
117	Silicic acid, barium salt, lead -doped	68784-75-8	

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EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
118	Silicic acid, lead salt	11120-22-2	
119	Sulfurous acid, lead salt, dibasic	62229-08-7	
120	Tetraethyllead	78-00-2	
121	Tetralead trioxide sulphate	12202-17-4	
122	Trilead dioxide phosphonate	12141-20-7	
123	Furan	110-00-9	
124	Propylene oxide; 1,2-epoxypropane;methyloxirane	75-56-9	
125	Diethyl sulphate	64-67-5	
126	Dimethyl sulphate	77-78-1	
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	
128	Dinoseb	88-85-7	
129	4,4'-methylenedi-o-toluidine	838-88-0	
130	4,4'-oxydianiline and its salts	101-80-4	
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	
132	4-methyl-m-phenylenediamine (2,4-toluene- diamine)	95-80-7	
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	
134	Biphenyl-4-ylamine	92-67-1	
135	o-aminoazotoluene	97-56-3	
136	o-Toluidine; 2-Aminotoluene	95-53-4	
137	N-methylacetamide	79-16-3	
138	1-bromopropane; n-propyl bromide	106-94-5	
139	Pentadecafluorooctanoic acid (PFOA)	335-67-1	
140	Dipentyl phthalate (DPP)	131-18-0	
141	Cadmium oxide	1306-19-0	
142	Cadmium	7440-43-9	
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	
144	4-Nonylphenol, branched and linear, ethoxylated	-	
145	Trixylyl phosphate	25155-23-1	
146	Lead di(acetate)	301-04-2	
147	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	
150	Dihexyl phthalate	84-75-3	
151	Cadmium sulphide	1306-23-6	

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EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
152	Sodium peroxometaborate	7632-04-4	
153	Sodium perborate, perboric acid, sodium salt	15120-21-5, 11138-47-9	
154	Cadmium chloride	10108-64-2	
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	
156	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	
157	Cadmium sulphate	10124-36-4, 31119-53-6	
158	Cadmium fluoride	7790-79-6	
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	
162	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]covering any of the individual stereoisomers of [1] and [2] or any combination thereof	-	
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5, 68648-93-1	
164	Perfluorononan-1-oic-acid and its sodium and ammonium salts	4149-60-4, 375-95-1, 21049-39-8	
165	Nitrobenzene	98-95-3	
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	
168	1,3-propanesultone	1120-71-4	
169	Benzo[def]chrysene (benzo[a]pyrene)	50-32-8	
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2, 3830-45-3, 3108-42-7	
172	p-(1,1-dimethylpropyl) phenol	80-46-6	

Appendix IA	**Reporting: Appendix IA lists SVHC reporting and registration (EU SCIP Database) requirements for the European market that are not necessarily otherwise listed in the RSL.** **This list is current as of November 2024. For current SVHC reporting and registration requirements, please visit the following site:** **https://echa.europa.eu/candidate-list-table**		
EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
173	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	
174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	
175	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10] octadeca-7,15-diene (“Dechlorane Plus”TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	
176	Benz[a]anthracene	56-55-3	
177	Cadmium nitrate	10325-94-7	
178	Cadmium carbonate	513-78-0	
179	Cadmium hydroxide	21041-95-2	
180	Chrysene	218-01-9	
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA))	552-30-7	
183	Benzo[ghi]perylene	191-24-2	
184	Decamethylcyclopentasiloxane (D5)	541-02-6	
185	Dicyclohexyl phthalate (DCHP)	84-61-7	
186	Disodium octaborate	12008-41-2	
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	
188	Ethylenediamine	107-15-3	
189	Lead	7439-92-1	
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	
191	Terphenyl hydrogenated	61788-32-7	
192	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-Benzylidenecamphor)	15087-24-8	
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	
194	Benzo[k]fluoranthene	207-08-9	
195	Fluoranthene	206-44-0	
196	Phenanthrene	85-01-8	
197	Pyrene	129-00-0	
198	2-methoxyethyl acetate	110-49-6	

Appendix IA	**Reporting: Appendix IA lists SVHC reporting and registration (EU SCIP Database) requirements for the European market that are not necessarily otherwise listed in the RSL.** **This list is current as of November 2024. For current SVHC reporting and registration requirements, please visit the following site:** **https://echa.europa.eu/candidate-list-table**		
EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	
201	4-tert-butylphenol	98-54-4	
202	2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	
203	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	
204	Diisohexyl phthalate	71850-09-4	
205	Perfluorobutane sulfonic acid (PFBS) and its salts	--	
206	1-vinylimidazole	1072-63-5	
207	2-methylimidazole	693-98-1	
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	
209	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8	
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	--	
212	1,4-dioxane	123-91-1	
213	2,2-bis(bromomethyl)propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5, 1522-92-5 96-13-9	
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	
216	Orthoboric acid, sodium salt	13840-56-7	
217	Glutaral	111-30-8	
218	Medium-chain chlorinated paraffins (MCCP) (C14 to C17)	-	
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerization, covering any individual isomers and/ or combinations thereof (PDDP)	-	
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	
221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	

Appendix IA	Reporting: Appendix IA lists SVHC reporting and registration (EU SCIP Database) requirements for the European market that are not necessarily otherwise listed in the RSL. This list is current as of November 2024. For current SVHC reporting and registration requirements, please visit the following site: https://echa.europa.eu/candidate-list-table		
EU REACH Substances of Very High Concern (SVHC):			
No.	**Chemical Name**	**CAS Number**	**Restriction / Limit Triggering Reporting in Article**
223	S-(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	
224	N-(hydroxymethyl)acrylamide	924-42-5	
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] - BTBPE	37853-59-1	
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	
227	4,4'-sulphonyldiphenol	80-09-1	
228	Barium diboron tetraoxide	13701-59-2	
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	
230	Isobutyl 4-hydroxybenzoate	4247-02-3	
231	Melamine	108-78-1	
232	Perfluoroheptanoic acid (PFHxA) and its salts	-	
233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	
234	Bis(4-chlorophenyl) sulphone	80-07-9	
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	
236	2,4,6-tri-tert-butylphenol	732-26-3	
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	
239	Bumetrizole (UV-326)	72933-11-5	
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	
242	Triphenyl Phosphate	155-86-6	
243	Octamethyltrisiloxane	107-51-7	
244	O,O,O-triphenyl phosphorothioate	597-82-0	
245	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	
246	Perfluamine	338-83-0	
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	2156592-54-8	

Appendix 1B **Side by Side of Various State Reporting Requirements (with links to state resource pages)**

Children's Product Reporting Requirement-Chemical of High Concern List								
No.	**Chemical**	**Abbreviation (If any)**	**CAS**	**Vermont (Annual Reporting) Link: https://www.healthvermont.gov/environment/children/chemical-disclosure-program-childrens-products-manufacturers**	**Washington (Annual Reporting) Link: https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act**	**Oregon (Biennial Reporting) Link: https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/Toxic-Free-Kids-Reporting.aspx**	**Maine (Report within 30 days of Product Availability) Link: https://www.maine.gov/dep/safechem/childrens-products/index.html**	**For comparison, chemical is also included in EU REACH SVHC/ Candidate List. (Please consult Appendix 1A for more SVHC details) Link: https://echa.europa.eu/candidate-list-table**
1	Formaldehyde and substances that are intentionally added to release formaldehyde, including 5-Bromo-5-nitro-1,3-dioxane (30007-47-7), Bronopol (52-51-7), Diazolidinyl urea (78491-02-8), DMDM hydantoin (6440-58-0), Imidazolidinyl urea (39236-46-9), Methanol, (phenylmethoxy) (14548-60-		50-00-0	✓	✓	✓		
2	Aniline		62-53-3	✓	✓	✓		
3	N-Nitrosodimethylamine	NDMA	62-75-9	✓	✓	✓		
4	Benzene		71-43-2	✓	✓	✓	✓	
5	Vinyl chloride		75-01-4	✓	✓	✓	✓	
6	Acetaldehyde		75-07-0	✓	✓	✓		
7	Methylene chloride		75-09-2	✓	✓	✓		
8	Carbon disulfide		75-15-0	✓	✓	✓		
9	Methyl ethyl ketone		78-93-3	✓	✓	✓		
10	1,1,2,2-Tetrachloroethane		79-34-5	✓	✓	✓		
11	Tetrabromobisphenol A	TBBP A	79-94-7	✓	✓	✓	✓	✓
12	Bisphenol A	BPA	80-05-7	✓	✓	✓		✓
13	Bisphenol S	BPS	80-09-1	✓	✓	✓		✓
14	Dicyclohexyl phthalate	DCHP	84-61-7	✓	✓	✓	✓	✓
15	Diethyl phthalate	DEP	84-66-2	✓	✓	✓		
16	Diisobutyl phthalate	DIBP	84-69-5	✓	✓	✓		✓
17	Dibutyl phthalate	DBP	84-74-2	✓	✓	✓		✓
18	Di-n-hexyl Phthalate	DnHP	84-75-3	✓	✓	✓		✓
19	Phthalic anhydride		85-44-9	✓				
20	Butyl benzyl phthalate	BBP	85-68-7	✓	✓	✓		✓
21	N-Nitrosodiphenylamine		86-30-6	✓	✓	✓		
22	Hexachlorobutadiene		87-68-3	✓	✓	✓		
23	Propyl paraben		94-13-3	✓	✓	✓	✓	
24	Butyl paraben		94-26-8	✓	✓	✓	✓	✓
25	2-Aminotoluene		95-53-4	✓	✓	✓	✓	✓

Appendix 1B **Side by Side of Various State Reporting Requirements (with links to state resource pages)**

Children's Product Reporting Requirement-Chemical of High Concern List								
No.	**Chemical**	**Abbreviation (If any)**	**CAS**	**Vermont (Annual Reporting) Link: https://www.healthvermont.gov/environment/children/chemical-disclosure-program-childrens-products-manufacturers**	**Washington (Annual Reporting) Link: https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act**	**Oregon (Biennial Reporting) Link: https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/Toxic-Free-Kids-Reporting.aspx**	**Maine (Report within 30 days of Product Availability) Link: https://www.maine.gov/dep/safechem/childrens-products/index.html**	**For comparison, chemical is also included in EU REACH SVHC/ Candidate List. (Please consult Appendix 1A for more SVHC details) Link: https://echa.europa.eu/candidate-list-table**
26	2,4-Diaminotoluene		95-80-7	✓	✓	✓		
27	Methyl paraben		99-76-3	✓	✓	✓	✓	
28	p-Hydroxybenzoic acid		99-96-7	✓	✓	✓	✓	
29	Ethylbenzene		100-41-4	✓	✓	✓		
30	Styrene		100-42-5	✓	✓	✓	✓	
31	4-Nonylphenol; 4-NP and its isomer mixtures including CAS 84852-15-3 and CAS 25154-52-3		104-40-5 84852-15-3 25154-52-3	✓	✓	✓		✓
32	para-Chloroaniline		106-47-8	✓	✓	✓		
33	Acrylonitrile		107-13-1	✓	✓	✓		
34	Ethylene glycol		107-21-1	✓	✓	✓		
35	Toluene		108-88-3	✓	✓	✓	✓	
36	Phenol		108-95-2	✓	✓	✓		
37	2-Methoxyethanol		109-86-4	✓	✓	✓		✓
38	Ethylene glycol monoethyl ether		110-80-5	✓	✓	✓		✓
39	Triphenyl phosphate	TPP	115-86-6	✓	✓	✓		✓
40	Tris(2-chloroethyl) phosphate	TCEP	115-96-8	✓	✓	✓		✓
41	Di-2-ethylhexyl phthalate	DEHP	117-81-7	✓	✓	✓		✓
42	Di-(2-methoxyethyl) phthalate	DMEP	117-82-8	✓	✓	✓		✓
43	Di-n-octyl phthalate	DnOP	117-84-0	✓	✓	✓		
44	Hexachlorobenzene		118-74-1	✓	✓	✓	✓	
45	3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine		119-93-7	✓	✓	✓		
46	Ethyl paraben		120-47-8	✓	✓	✓	✓	
47	1,4-Dioxane		123-91-1	✓	✓	✓		✓
48	Tris (2,3-dibromopropyl) phosphate	TDBPP	126-72-7	✓	✓	✓		
49	Tri-n-butyl phosphate	TNBP	126-73-8	✓	✓	✓		
50	Perchloroethylene (Tetrachloroethene)	PERC	127-18-4	✓	✓	✓		
51	Dipentyl phthalate	DPP	131-18-0	✓	✓	✓		✓
52	Benzophenone-2 (Bp-2); 2,2',4,4'-Tetrahydroxybenzophenone		131-55-5	✓	✓	✓	✓	

Appendix 1B **Side by Side of Various State Reporting Requirements (with links to state resource pages)**

Children's Product Reporting Requirement-Chemical of High Concern List								
No.	**Chemical**	**Abbreviation (If any)**	**CAS**	**Vermont (Annual Reporting) Link: https://www.healthvermont.gov/environment/children/chemical-disclosure-program-childrens-products-manufacturers**	**Washington (Annual Reporting) Link: https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act**	**Oregon (Biennial Reporting) Link: https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/Toxic-Free-Kids-Reporting.aspx**	**Maine (Report within 30 days of Product Availability) Link: https://www.maine.gov/dep/safechem/childrens-products/index.html**	**For comparison, chemical is also included in EU REACH SVHC/ Candidate List. (Please consult Appendix 1A for more SVHC details) Link: https://echa.europa.eu/candidate-list-table**
53	4-tert-Octylphenol; 1,1,3,3-Tetramethyl-4-butylphenol		140-66-9	✓	✓	✓	✓	✓
54	Estragole		140-67-0	✓	✓	✓		
55	2-Ethylhexanoic Acid		149-57-5	✓	✓	✓		
56	Perfluorohexane sulfonic acid	PFHxS	355-46-4	✓				✓
57	Perfluoroheptanoic acid	PFHpA	375-85-9	✓				
58	Perfluorononanoic acid	PFNA	375-95-1	✓				✓
59	Perfluorooctanoic acid	PFOA	335-67-1	✓	✓ [PFOA and related substances]	✓		✓
60	Octamethylcyclotetrasiloxane		556-67-2	✓			✓	✓
61	Benzene, pentachloro		608-93-5	✓	✓	✓	✓	
62	Bisphenol F	BPF	620-92-8	✓	✓	✓		
63	C.I. Solvent Yellow 14		842-07-9	✓	✓	✓		
64	N-Methylpyrrolidone		872-50-4	✓	✓	✓		✓
65	2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether; BDE-209	Deca-BDE	1163-19-5	✓	✓	✓	✓	✓
66	Ethylhexyl diphenyl phosphate	EHDPP	1241-94-7	✓	✓	✓		
67	Tricresyl phosphate	TCP	1330-78-5	✓	✓	✓		
68	Perfluorooctanyl sulphonic acid and its salts*	PFOS	1763-23-1	✓	✓	✓	✓	
69	Phenol, 4-octyl-		1806-26-4	✓	✓	✓	✓	
70	2-Ethyl-hexyl-4-methoxycinnamate		5466-77-3	✓	✓	✓	✓	
71	Lead & lead compounds		7439-92-1	✓				✓
72	Mercury & mercury compounds including methyl mercury (22967-92-6)		7439-97-6	✓	✓	✓		
73	Molybdenum & molybdenum compounds		7439-98-7	✓				
74	Antimony & Antimony compounds		7440-36-0	✓	✓	✓		
75	Arsenic & Arsenic compounds including arsenic trioxide (1327-53-3) & dimethyl arsenic (75-60-5)		7440-38-2 1327-53-3 75-60-5	✓	✓	✓		✓

Appendix 1B **Side by Side of Various State Reporting Requirements (with links to state resource pages)**

Children's Product Reporting Requirement-Chemical of High Concern List								
No.	**Chemical**	**Abbreviation (If any)**	**CAS**	**Vermont (Annual Reporting) Link: https://www.healthvermont.gov/environment/children/chemical-disclosure-program-childrens-products-manufacturers**	**Washington (Annual Reporting) Link: https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act**	**Oregon (Biennial Reporting) Link: https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/Toxic-Free-Kids-Reporting.aspx**	**Maine (Report within 30 days of Product Availability) Link: https://www.maine.gov/dep/safechem/childrens-products/index.html**	**For comparison, chemical is also included in EU REACH SVHC/ Candidate List. (Please consult Appendix 1A for more SVHC details) Link: https://echa.europa.eu/candidate-list-table**
76	Cadmium & cadmium compounds		7440-43-9	✓	✓	✓		✓
77	Cobalt & cobalt compounds		7440-48-4	✓	✓	✓		
78	Tris(1-chloro-2-propyl) phosphate	TCPP	13674-84-5	✓	✓	✓		
79	Tris(1,3-dichloro-2-propyl)phosphate	TDCPP	13674-87-8	✓	✓	✓		
80	Butylated hydroxyanisole	BHA	25013-16-5	✓	✓	✓	✓	
81	Hexabromocyclododecane	HBCD	25637-99-4	✓	✓	✓	✓	✓
82	Bis (2-ethylhexyl) tetrabromophthalate	TBPH	26040-51-7	✓	✓	✓		✓
83	Diisodecyl phthalate	DIDP	26761-40-0	✓	✓	✓		
84	Diisononyl phthalate	DINP	28553-12-0	✓	✓	✓		
85	Bis(chloromethyl)propane-1,3-diyl tetrakis-(2-chloroethyl) bis(phosphate)	V6	38051-10-4	✓	✓	✓		
86	Isopropylated triphenyl phosphate	IPTPP	68937-41-7	✓	✓	✓		
87	Decabromodiphenyl ethane	DBDPE	84852-53-9	✓	✓	✓		
88	Short-chain chlorinated paraffins; Chlorinated paraffins		85535-84-8 108171-26-2	✓	✓	✓		✓

Appendix 1B **Side by Side of Various State Reporting Requirements (with links to state resource pages)**

Children's Product Reporting Requirement-Chemical of High Concern List								
No.	**Chemical**	**Abbreviation (If any)**	**CAS**	**Vermont (Annual Reporting) Link: https://www.healthvermont.gov/environment/children/chemical-disclosure-program-childrens-products-manufacturers**	**Washington (Annual Reporting) Link: https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Reporting-for-Childrens-Safe-Products-Act**	**Oregon (Biennial Reporting) Link: https://www.oregon.gov/oha/PH/HEALTHYENVIRONMENTS/HEALTHYNEIGHBORHOODS/TOXICSUBSTANCES/Pages/Toxic-Free-Kids-Reporting.aspx**	**Maine (Report within 30 days of Product Availability) Link: https://www.maine.gov/dep/safechem/childrens-products/index.html**	**For comparison, chemical is also included in EU REACH SVHC/ Candidate List. (Please consult Appendix 1A for more SVHC details) Link: https://echa.europa.eu/candidate-list-table**
89	2-ethylhexyl-2,3,4,5-tetrabromobenzoate	TBB	183658-27-7	✓	✓	✓		
90	2-Napthylamine		91-59-8				✓	
91	4-Hydroxybiphenyl		92-69-3				✓	
92	Benzidine and its salts*		92-87-5*				✓	
93	4,4´-Methylenebis(2-Chloroaniline)		101-14-1				✓	
94	Epichlorohydrin		106-89-8				✓	
95	1,2-Dibromoethane		106-93-4				✓	
96	1,3-Butadiene		106-99-0				✓	
97	2,4-Dihydroxybenzophenone		131-56-6				✓	
98	Mono-n-butylphthalate		131-70-4				✓	
99	Methyl tert-butyl ether	MTBE	1634-04-4				✓	
100	Silica, crystalline (in the form of quartz or cristobalite dust)		14808-60-7				✓	
101	(1,1,3,3-tetramethylbutyl)-phenol		27193-28-8				✓	
102	Nickel Compounds		NA				✓	

* Maine notes CAS no. are specific for the parent chemical, but the CHC listing includes the parent chemical and parent chemical-related salt compounds.

Appendix II	Labeling: Appendix II lists regulations which have a labeling requirement that are not necessarily otherwise listed in the RSL.						
CAS Number	**Chemical Name Name**	**Restriction / Limit Triggering Labeling in Component**	**Country**	**Regulation**	**Test Method [detection limit] if any**	**Other Countries/States Which Also Require Labeling**	**Comment**
50-00-0	Formaldehyde (0 - 36 months)	20 ppm	South Korea	Safety Quality Mark Act (KC Mark)			Age range of children's products in KC mark has been revised to: 3-14 years old Formaldehyde for children products (3-14 years): 75 mg/kg Innerwear and midwear (other than infant and children product): 75 mg/kg; outerwear (other than infant and children products): 300 mg/kg TBT for KC Mark infant product (0-36 months): 0.5 mg/kg; Others: 1.0 mg/kg
	Formaldehyde (3 - 12 years)	75 ppm (innerwear), 300 ppm (outerwear); All Children's' products: Max 75 ppm					
various	Azo Dyes	30 ppm					
56573-85-4	Tributyltin (TBT)	0.5ppm for infant's 1.0 ppm for Children's					
1002-53-5	Dibutyltin (DBT) (0 - 36 months)	1 ppm					
624-49-7	Dimethyl Fumarate	0.1 ppm					
117-84-0	Di-n-octyl phthalate (DNOP)	0.10%	South Korea	Safety Quality Mark Act (KC Mark)			Phthalates requirement in KC Mark: Baby products (0-36 months): 0.1% (sum of DEHP, DBP, BBP, DIBP, DIDP, DINP, DNOP) Children product (3-14 years): 0.1% (sum of DEHP, DBP, BBP, DIBP)
117-81-7	Di (2-ethylhexyl) phthalate (DEHP)						
85-68-7	Benzyl Butyl phthalate (BBP)						
84-74-2	Di-n-butyl phthalate (DBP)						
84-69-5	Di-isobutyl phthalate (DIBP)						
68515-48-0	Di-isononyl phthalate (DINP)						
68515-49-1	Di-isodecyl phthalate (DIDP)						
32534-81-9	Penta-bromodiphenyl ether (pentaBDE) (0 - 12 years)						
32536-52-0	Octa-bromodiphenyl ether (octaBDE) (0 - 12 years)						
68112-30-1	TDBPP (0 - 12 years)						
various	Disperse Dyes	Not Detected Max. 50 ppm Polyester, Nylon, Acrylic, Acetate, Triacetate, Vinyl chloride	South Korea	Safety Quality Mark Act (KC Mark)			Disperse dyes only applies to baby product, children and innerwear
7439-92-1	Lead (Pb) (0 - 12 years)	40 ppm- 100ppm (lead in substrate) 40 ppm- 90ppm (lead in coating)	Illinois, USA	Lead Poisoning Prevention Act			Toys with paints, child care articles, children's jewelry
	Lead (Pb) (above 16 years)	600 ppm					
	NP/NPEO	100ppm	South Korea	Safety Quality Mark Act (KC Mark)			apply to fabric, leather & fur product in childrens product
Various	PFAS Chemicals	intentionally added	Colorado, Indiana, New Hampshire, Rhode Island, and Vermont	Colorado Revised Statutes 24-33.5-1234 Indiana: HB 1341 New Hampshire: HB 1352 Rhode Island: S 2152 Vermont: S. 20			Notification of customer required for firefighting personal protective equipment

Change Log from RSL 23 to RSL 25	
APEO AP	Updated with new proposals in the EU and Morocco and included second-hand clothing exemptions.
Arylamines	Updated Egyptian, Indonesian, and Japanese laws and added Saudi Arabian, Indian, and Moroccon laws. Additionally updated test methods for 4-aminoazobenzene.
Disperse Dyes	Added 14 disperse dyes to KC Mark and included UAE and Indian regulations on disperse dyes.
Flame Retardants	Included Maryland regulations of flame retardants, updated test methods for bromodiphenyl ethers, updated Swiss and POP limits/regulations, and commented on upcoming limit change for Japan.
Formaldehyde	Removed reference to non-direct skin contact regulation of formaldehyde given REACH limit of 75ppm for non-leather textiles. Added Egyptian, Moroccan, and Indian restrictions to the comments section.
Heavy Metal (Extractable)	Included Saudi Arabian, Indian, Moroccan, and Egyptian heavy metal standards across the table in the comments section and updated the Egyptian restrictions for Cr(VI) and Cr to reflect more stringent standards. Test methods years also updated.
Heavy Metal (Soluble)	Updated test methods and regulatory cites for South Korea and Taiwanese restrictions

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