



# RESTRICTED SUBSTANCE LIST (RSL)

May 2021 | 22nd Edition

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<sup>1</sup> Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.

<sup>2</sup> Appendix II lists regulations which have a labeling requirement that are not necessarily otherwise listed in the RSL.

## Introduction

The Restricted Substance List (RSL) was created by a special working group of the American Apparel & Footwear Association's (AAFA) Environmental Task Force. The RSL is intended to provide apparel and footwear companies with information related to regulations and laws that restrict or ban certain chemicals and substances in finished home textile, apparel, and footwear products 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 national and international regulations governing the amount of substances that are permitted in finished home textile, apparel, and footwear products.

The RSL will be 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.

### A. 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)

### B. What is Included and What is Not

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 no regulatory concentration limits but may warrant evaluation for applicability.

1. The U.S. Environmental Protection Agency (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.
2. 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. For more information on California Proposition 65, please visit our website at [https://www.aafaglobal.org/AAFA/Solutions\\_Pages/RSL\\_Covering\\_California\\_Proposition\\_65](https://www.aafaglobal.org/AAFA/Solutions_Pages/RSL_Covering_California_Proposition_65).

### **C. Technical Notes**

1. Chemical nomenclature can take several forms. Technical chemical names may take numerous forms. It is the responsibility of the user to verify synonyms of any regulated chemicals referenced.
2. It is possible that regulated components may be present in raw materials below the levels that require reporting on Material Safety Data Sheets (MSDS). Care should be taken to verify the presence of all regulated ingredients regardless of the concentration.
3. This list represents the known and applicable standards 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 1,000 world famous name brands, we are the trusted public policy and political voice of the apparel and footwear industry, its management and shareholders, its nearly four million U.S. workers, and its contribution of more than \$400 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**

The AAFA gratefully acknowledges the support and contribution of the past and present members of the RSL Task Force in developing the RSL. The current members of the RSL Task Force are listed below.

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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
91-22-5	Quinoline	50mg/kg	EU	Amendment 2018/1513 to Annex XVII to Regulation (EC) No 1907/2006			
60-09-3	4-Amino azobenzene	Reported as not detected.  <b>China restriction limit:</b> Textiles 20ppm Leather 30ppm  <b>EU restriction limit:</b> Textiles and Leather: 30ppm  <b>Vietnam restriction limit:</b> restricts AZO dyes and Formaldehyde Azo dyes limit: 30 ppm	Vietnam, EU, and China	Regulations below apply to all Arylamines listed in this RSL  European Union REACH Regulation (EC) No. 1907/2006 Annex XVII  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 Going into force May 1, 2018	Textiles (EU): ISO 14362-1 :2017 / EN ISO 14362-3:2017 Leather (EU): EN ISO 17234-1:2015  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  Textiles (China) GB/T 17592-2011  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.72/M-IND/PER/7/2012 SNI7617:2013  Egypt: ES 7266-4/2011 ES 7322/2011"  Taiwan: CNS 15290 CNS 15503 (children products) CNS 8634 (leather casual shoes) CNS 10632 (leather shoes)"  Japan: Textile: JIS L 1940 Leather: ISO 17234-1:2015 / EN ISO 17234-2:2011	4- Amino azobenzene is not listed in GB20400-2006;  Only 23 arylamines are subject to this standard  GB 30585-2014 (Safety technical specification for children's footwear) - will apply on 1 Jan 2016
97-56-3	<i>o</i> -Aminoazotoluene						
92-67-1	4-Aminodiphenyl						
99-55-8	2-Amino-4-nitrotoluene						
90-04-0	<i>o</i> -Anisidine						
92-87-5	Benzidine						
106-47-8	<i>p</i> -Chloroaniline						
95-69-2	4-Chloro- <i>o</i> -toluidine						
120-71-8	<i>p</i> -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'-diaminodiphenylmethane						
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	<i>o</i> -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)						

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						

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	US 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					
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					
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					
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					
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					
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
3165-93-3	4-chloro-o-toluidinium chloride	30 mg/kg	EU	Amendment 2018/1513 to Annex XVII to Regulation (EC) No 1907/2006			
39156-41-7	4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	30 mg/kg	EU				
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	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)	§64 LFGB B82.02-10 DIN 54231  KS K 0736:2014	South Korea (applicable to babywear, children's wear and adult underwear)	The following disperse dyes are also restricted in Korea KC Mark:  Disperse Blue 3 Disperse Blue 7 Disperse Blue 26, Disperse Blue 102 Disperse Orange 1 Disperse Yellow 1 Disperse Yellow 9 Disperse Yellow 39 Disperse Yellow 49 Disperse Red 11 Disperse Red 17
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
Carcinogenic Dyes*							
1937-37-7	Direct Black 38	Prohibited	Egypt	ES 7266-4/2011	DIN 54231 / §64 LFGB 82.02-10		* Carcinogenic is not used as a description of a sub category of dyes • 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							
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	0.1% by mass	Maryland, United States	SB0447			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, New York (United States)	A6195/	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	Canada, EU	<p>Maryland ban above 0.1% 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</p> <p>European Union REACH Regulation (EC) No. 1907/2006 Candidate List</p> <p>Canada: Regulation Amending Schedule 2 Item 16 to the Canada Consumer Product Safety Act (TCEP) Effective June 22, 2014</p> <p>The Canada requirement is only applied for children's products (&lt; 3 years) made of polyurethane foam</p>
1163-19-5	Decabromodiphenyl ether (decaBDE)	10 mg/kg	EU	POP EU 2019/1021	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	Oregon Revised Statutes Volume : 11, Chapter 453 - Hazardous Substances; Radiation Sources	European Union REACH Regulation (EC) No. 1907/2006 Candidate List
126-72-7	Tris (2,3-dibromopropyl) phosphate (TRIS)	Prohibited	European Union	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Methanol extraction and analysis by LC-MS or GC-MS (industry practice - not specified by the regulation)	Turkey, Switzerland, Japan, U.S., Egypt, and South Korea (KC Mark, for more information review Appendix II)	<p>EU requirement applicable to textiles with direct contact with the skin.</p> <p>South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding]</p> <p>US requirement applicable to sleepwear</p>
1309-64-4	Antimony trioxide	≤ 1,000 ppm each	Massachusetts, U.S.A.	Massachusetts H.4900			effective Dec. 2021
13674-84-5	Tris(1-chloro-2-propyl) phosphate (TCPP)	≤ 1,000 ppm each	Massachusetts, U.S.A.	Massachusetts H.4900			Massachusetts law effective Dec. 2021.

Flame Retardants							
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
13674-87-8	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	0.1% by weight	Vermont, Maryland, and Massachusetts U.S.A	S81	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)		This chemical should not exceed 0.1% for children products(<12 yr) & residential upholstered furniture. Maryland ban above 0.1% in childcare products.
183658-27-7	2-Ethylhexyl-2,3,4,5-tetrabromobenzoate (TBB)	≤ 1,000 ppm each	Massachusetts, U.S.A.	Massachusetts H.4900			effective Dec. 2021
25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	Hexabromocyclododecane (HBCDD)	100 ppm	Switzerland	POP regulation and in Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 18219: 2015		
26040-51-7	Bis(2-ethylhexyl)-3,4,5,6-tetrabromophthalate (TBPH)	≤ 1,000 ppm each	Massachusetts, U.S.A.	Massachusetts H.4900			effective Dec. 2021
32534-81-9	Penta-bromodiphenyl ether (pentaBDE)	≤ 0.001% by weight	European Union	European Union POPs Regulation (EC) No. 2019/1021, Annex I	Solvent extraction and analysis by GC-MS or LC-MS (industry practice - not specified by the regulation)	United States, Switzerland, and South Korea (KC Mark, for more information review Appendix II)	South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding]
32536-52-0	Octa-bromodiphenyl ether (octaBDE)	≤ 0.1% by weight	European Union	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)	United States, Switzerland, and South Korea (KC Mark, for more information review Appendix II)	South Korea requirement applicable only to bedclothes and nightclothes among underwear [applicable to textile products for babies, children and adult, and textile bedding]
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 18219: 2015		
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)		

Flame Retardants							
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
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 18219: 2015		
545-55-1	Tris (1-aziridinyl)-phosphine oxide (TEPA)	Prohibited	European Union	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, South Korea, and Egypt	EU requirement applicable to textiles with direct contact with the skin
59536-65-1	Polybrominated biphenyls (PBBs)	Prohibited	European Union	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, US, South Korea, and 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]
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 18219: 2015		
79-94-7	Tetrabromobisphenol A	≤ 1,000 ppm each	Massachusetts, U.S.A.	Massachusetts H.4900			effective Dec. 2021
85535-84-8	Chlorinated paraffins (C10-C13)	0.1% by weight	European Union 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: 2015	South Korea, and Canada	REACH: Also listed on the SVHC Candidate List POPs: Articles should not contain SCCPs above 0.15% by weight

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 <sub>6</sub>	Prohibited	European Union	European Union Regulation (EU) No 517/2014	Headspace for components (industry practice - not specified by the regulation)		Regulation (EU) 517/2014
	<b>Hydrofluorocarbons (HFCs):</b>						
75-46-7	HFC-23 - CHF <sub>3</sub>						
75-10-5	HFC-32 - CH <sub>2</sub> F <sub>2</sub>						
593-53-3	HFC-41 - CH <sub>3</sub> F						
138495-42-8	HFC-43-10mee - C <sub>5</sub> H <sub>2</sub> F <sub>10</sub>						
354-33-6	HFC-125 - C <sub>2</sub> HF <sub>5</sub>						
359-35-3	HFC-134 - C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>						
811-97-2	HFC-134a - CH <sub>2</sub> FCF <sub>3</sub>						
75-37-6	HFC-152a - C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>						
430-66-0	HFC-143 - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>						
420-46-2	HFC-143a - C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>						
431-89-0	HFC-227ea - C <sub>3</sub> HF <sub>7</sub>						
677-56-5	HFC-236cb - CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>						
431-63-0	HFC-236ea - CHF <sub>2</sub> CHF <sub>2</sub> CF <sub>3</sub>						
690-39-1	HFC-236fa - C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>						
679-86-7	HFC-245ca - C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>						
460-73-1	HFC-245fa - CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>						
406-58-6	HFC-365mfc - CF <sub>3</sub> CH <sub>2</sub> CF <sub>2</sub> CH <sub>3</sub>						
	<b>Perfluorocarbons (PFCs):</b>						
75-73-0	Perfluoromethane - CF <sub>4</sub>						
76-16-4	Perfluoroethane - C <sub>2</sub> F <sub>6</sub>						
76-19-7	Perfluoropropane - C <sub>3</sub> F <sub>8</sub>						
355-25-9	Perfluorobutane - C <sub>4</sub> F <sub>10</sub>						
678-26-2	Perfluoropentane - C <sub>5</sub> F <sub>12</sub>						
355-42-0	Perfluorohexane - C <sub>6</sub> F <sub>14</sub>						
115-25-3	Perfluorocyclobutane - c-C <sub>4</sub> F <sub>8</sub>						

Metals							
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 (leachable)	China	FZ/T 81014-2008 - Infant's wear (woven) (≤ 24 months) only  FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to infant knitted wear (≤ 36 months) or body height (≤ 100 cm)	GB/T 17593.1 Textiles- Determination of heavy metals Part 1: Atomic absorption spectrophotometry	Egypt ES 7322/2011	0.2 mg/kg EN 71-3 Soluble Heavy Metals
						Taiwan, CNS 15503 (children's product)	0.2 mg/kg CNS 4797-2 ISO 17072-1  Soluble Heavy Metals ISO 17072-1 Soluble Heavy Metals
						Indonesia, Regulation, No. 07/M-IND/PER/2/2014	0.2 ppm (leachable) Infant apparel (0-36 months) ISO 105-E04 followed by ICP-OES/AAS analysis
						Korea Certification Mark (KC Mark, for more information review Appendix II)	90 ppm  Applies to textile products for children. (0 - 12 years)
						China PVC artificial leather	90 mg/kg  Soluble Heavy Metals
						United States, 16 C.F.R. §1303 – Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint	90ppm ASTM F2853-10 CPSC-CH-E1003-09.1 For surface coating, U.S. rules for children 12 and under set at 90 ppm. Also applies to plastics and plastic film  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 100ppm
						China, GB 30585-2014 (Safety technical specification for children's footwear)	100 mg/kg  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

Metals							
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
						Denmark, Statutory Order no. 856 of September 5, 2009	100ppm Total Digestion (industry practice - not specified by the regulation)
						European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Total Lead: 500 ppm Rate of lead release of Lead: ≤0.05 µg/cm <sup>2</sup> /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.
7439-97-6	Mercury	0.02 ppm (leachable)	China	FZ/T 81014-2008 - Infant's wear (woven) FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to woven infant wear and adornment products (≤ 24months) only FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to infant knitted wear (≤ 36 months) or body height (≤ 100 cm)	GB/T 17593.4 Textiles-Arsenic and Mercury	Taiwan CNS 15503 (children's product) Egypt ES 7322/2011	0.02 mg/kg CNS 4797-2 ISO 17072-3 Children products up to age 16 0.02 mg/kg Soluble heavy metals EN 71-3 children less than 36 months footwear, size 26 and less
7440-02-0	Nickel (Ni)	1.0 ppm (leachable)	China	FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to knitted textile products, including clothing, bedding and accessories for infants Infant is a child ≤ 36 months old or ≤ 100 cm in height	GB/T 17593.4 Textiles-Determination of heavy metals Part 1: Atomic absorption spectrophotometry	Indonesia Regulation, No. 07/M-IND/PER/2/2014 European Union REACH Regulation (EC) No. 1907/2006 Annex XVII Nickel (Ni) (in metal items)	1.0 ppm (leachable) ISO 105-E04 followed by ICP-OES/AAS analysis Infant apparel (0-36 months) 0.5 µg/cm <sup>2</sup> /week Nickel release by EN 1811:2011+A1:2015 for non-coated item; EN 12472:2005+A1:2009 and EN 1811:2011+A1:2015 for coated item Restriction only applicable in cases where there is direct and prolonged contact with skin

Metals							
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	30ppm (leachable)	China	FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to knitted textile products, including clothing, bedding and accessories for infants  Infant is a child ≤ 36 months old or ≤ 100 cm in height	GB/T 17593.4 Textiles- Determination of heavy metals Part 1: Atomic absorption spectrophotometry	Egypt, ES 7322/2011	30 mg/kg EN 71-3 Applies to children less than 36 months footwear, size 26 and less
						Taiwan CNS 15503 (children's product)	30 mg/kg CNS 4797-2 ISO 17072-1 Applies to Children products up to age 14
7440-38-2	Arsenic	Prohibited (Restriction for metal parts for all textile products and textile accessories)	Taiwan	CNS 15290	CNS 4797-2	China, FZ/T 81014-2008 - Infant's wear (woven)  FZ/T 73025-2013 (Knitted garment and adornment for infant)	0.2 ppm (leachable) GB/T 17593.4 Textiles- Arsenic and Mercury Applies to woven infant wear and adornment products (≤ 24months) only  FZ/T 73025-2013 (Knitted garment and adornment for infant) Applies to infant knitted wear (≤ 36 months) or body height (≤ 100 cm)
						Egypt, ES 7322/2011	25 mg/kg EN 71-3 Soluble heavy metals children less than 36 months footwear, size 26 and less
						Taiwan, CNS 15503 (children's product)	25 mg/kg CNS 4797-2 Soluble heavy metals Children products up to age 14
						China, GB 30585-2014 (Safety technical specification for children's footwear)	100 mg/kg 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.

Metals							
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
7440-39-3	Barium	1000 mg/kg	Taiwan	CNS 15503 (children's product up to age 15)	CNS 4797-2 ISO 17072-2	Egypt ES 7322/2011	EN 71-3 Soluble heavy metals Applies to children less than 36 months footwear, size 26 and less
7440-43-9	Cadmium (Cd)	Prohibited	Taiwan	CNS 15290	CNS 4797-2 For all textile products and textile accessories. Test method CNS 4797-2 is similar to EN 71-3 for determination of soluble Cadmium content	Indonesia, Regulation, No. 07/M-IND/PER/2/2014	0.1 ppm (leachable) ISO 105-E04 followed by ICP-OES/AAS analysis Infant apparel (0-36 months)
						China, FZ/T 73025-2013 (Knitted garment and adornment for infant)	0.1 ppm (leachable) GB/T 17593.4 Textiles-Determination of heavy metals Part 1: Atomic absorption spectrophotometry Applies to knitted textile products, including clothing, bedding and accessories for infants  Infant is a child ≤ 36 months old or ≤ 100 cm in height
						Washington State Children's Product Safety Act	40 mg/kg
						Egypt, ES 7322/2011	75mg/kg Children less than 36 months footwear, size 26 and less
						China, GB 30585-2014 (Safety technical specification for children's footwear) GB 21550-2008 (Soluble heavy metals)	102 mg/kg 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) 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.

Metals							
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
7440-48-4	Cobalt	1.0ppm (leachable)	China	FZ/T 73025-2013 (Knitted garment and adornment for infant)	GB/T 17593.4 Textiles-Determination of heavy metals Part 1: Atomic absorption spectrophotometry		Applies to knitted textile products, including clothing, bedding and accessories for infants  Infant is a child ≤ 36 months old or ≤ 100 cm in height
7440-50-8	Copper	25 ppm (leachable)	China	FZ/T 81014-2008 - Infant's wear (woven)  FZ/T 73025-2013 (Knitted garment and adornment for infant)  Applies to knitted textile products, including clothing, bedding and accessories for infants	GB/T 17593.1 Textiles-Determination of heavy metals Part 1: Atomic absorption spectrophotometry	Indonesia Regulation, No. 07/M-IND/PER/2/2016	25 ppm (leachable)  ISO 105-E04 followed by ICP-OES/AAS analysis  Infant is a child ≤ 36 months old or ≤ 100 cm in height.
7782-49-2	Selenium	500 mg/kg	Taiwan	CNS 15503 (children's product up to age 17)	CNS 4797-2 ISO 17072-4	Egypt ES 7322/2011	EN 71-3 Soluble heavy metals  Applies to children less than 36 months footwear, size 26 and less
18540-29-9  7440-47-3	Chromium (Cr6+) hexavalent	Not Detected (detection limit is 3 ppm) (0.5 ppm leachable)	China	FZ/T 73025-2013 (Knitted garment and adornment for infant) Infant is a child ≤ 36 months old or ≤ 100 cm in height	GB/T 17593.4 Textiles-Determination of heavy metals Part 4: Determination of tear force of tongue-shaped test specimens.  GB 30585-2014 (Safety technical specification for children's footwear)	Germany European Union REACH Regulation (EC) No. 1907/2006 Annex XVII German Eighteenth Regulation on the Amendment of the German Ordinance on Commodities of 3rd August 2010	< 3 ppm for leather § 64 LFGB 82.02 - 11(2008) ISO 17075 QB/T 22807 Leather and fur — Chemical tests — Determination of chromium VI content
						Taiwan CNS 15503	10ppm for plastics and plastic film in children's products

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
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 or JIS L1041 (Law 112) (textiles) China GB/T 2912.1 CNS 15580-1 Leather: ISO 17226-2	China, Russia, Finland, Norway, France, Netherlands, Austria, Lithuania, Germany, New Zealand, South Korea, Vietnam, Taiwan, Egypt, Indonesia and US Minnesota	Vietnam, South Korea define baby products as 0-36 months old  Japan and Taiwan, define baby products as 0-24 months  South Korea also regulates bed clothes with a limit of 300ppm  Taiwan regulates indoor decorative textile with a limit of 300ppm
	>36 months old (with direct skin contact)	75 ppm (detection limit is 16 mg/kg) (textiles)	Japan	Japanese Law 112	CNS 15579		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 (no direct skin contact)	300 ppm (detection limit is 16 mg/kg) (textiles)			Textile: ISO 14184-1 or JIS L1041 (Law 112) (textiles), China GB/T 2912.1, Leather: ISO 17226-2		US Minnesota Statutes, chapter 325F regulate formaldehyde in children's products (<8 years old), <500 ppm
	Formaldehyde (leather and fur) Baby products (0-24 months)	20 ppm	China	GB20400-2006	GB/T 19941		
	Leather and fur (with direct skin contact)	75 ppm	China	GB20400-2006	GB/T 19941		

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
	Leather and fur (without direct skin contact)	300 ppm	China	GB20400-2006	GB/T 19941		
	Formaldehyde (infant athletic shoes and skin contact components in children's athletic shoes)	≤ 75 ppm	China	QB/T 4331	Textile: GB/T 2912.1-2009 Leather: GB/T 19941-2005		Infant athletic shoes are defined as athletic shoes not greater than 170mm in size to be worn by a child under 3 years of age  Children athletic shoes are defined as athletic shoes not greater than 250mm in size to be worn by a child between 3 and 14 years of age
	Formaldehyde (non-skin contact components on children's athletic shoes)	≤ 300 ppm	China		Textile: GB/T 2912.1-2009 Leather: GB/T 19941-2005		
	Formaldehyde (Textiles and artificial leather on upper, lining and insole of vulcanized shoes- infant shoes)	≤ 75 ppm	China		GB/T 2912.1-2009		
71-43-2	Benzene	5 mg/kg	EU	Amendment 2018/1513 to Annex XVII to Regulation (EC) No 1907/2006			
1763-23-1	Perfluorooctane sulfonate (PFOS)	1 µg/m <sup>2</sup> (textiles or other coated materials) <0.1% for articles	European Union	REGULATION (EU) 2019/1021 on persistent organic pollutants (recast)	Solvent Extraction LC-MS (industry practice-not specified by the regulation)	Canada and Norway, Egypt, Switzerland, and Turkey	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

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
335-67-1, 3825-26-1 335-95-5 2395-00-8 335-66-0 376-27-2 3108-24-5	Perfluorooctanoic acid (PFOA), its salts and esters	EU- 0.025 mg/kg  1 µg/m <sup>2</sup> (textiles or other coated materials) 0.1% by weight (product)	Norway	Norwegian Product Regulation	CEN/TS 15968:2010	European Union POP EU 2019/1021	POPs under the Stockholm Convention  Effective June 1, 2014 PFOA is added to Norwegian Product Regulation with different limits in various materials.  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
118685-33-9	Blue Colorant	Prohibited; 0.1% by weight for EU	European union	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)
All CAS of isomers of NP	Nonylphenol C6H4(OH)C9H19 Nonylphenol ethoxylates (C2H4O) <sub>n</sub> C15H24O	0.01 % by weight	European Union	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 Textiles- Methods for the Detection and Determination of alkyl phenol ethoxylates APEOS	Taiwan CNS 15290 (for all textile products), and Turkey	REACH Annex XVII entry 46a is applicable to textile articles which can reasonably be expected to be washed in water
	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		
		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		
		not less than 3.5	Egypt	ES 6535/2008	ISO 4045		

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
75-01-4	Vinyl Chloride Monomer (VCM)	1 mg/kg	Egypt	ES 7322/2011	ISO 6041 / §64 LFGB B80.32-1:1981-11 / 80/766/EC	Germany- Bedarfsgegenstände Verordnung" German Consumer Goods Ordinance	
		5 mg/kg	China	GB 21550-2008	GB/T 4615-1984		for polyvinyl chloride artificial leather only
N-Nitrosamines							
62-75-9	N-Nitrosodiethylamine	Not detected (detection limit: 0.5 mg/kg)	China	GB 25036-2010 GB 25038-2010 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						
Polycyclic aromatic hydrocarbons (PAH)							
91-20-3	Naphthalene (Taiwan only)	Taiwan: Benzo(a)pyrene: 1mg/kg Total of 16 PAH: 10mg/kg  EU: Articles in direct skin contact with: 1 mg/kg (each) Childcare article: 0.5 mg/kg (each)	Taiwan and the European Union	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)						
56-55-3	Benzo(a)anthracene (Taiwan and EU)						

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
218-01-9	Chrysene (Taiwan and EU)	Taiwan: Benzo(a)pyrene: 1mg/kg Total of 16 PAH: 10mg/kg  EU: Articles in direct skin contact with: 1 mg/kg (each) Childcare article: 0.5 mg/kg (each)	European Union	European Union REACH Regulation (EC) No 1907/2006 Annex XVII	AfPS GS 2014:01 PAH		
193-39-5	Indeno(1,2,3-cd)pyrene (Taiwan only)						
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)						
191-24-2	Benzo(g,h,i)perylene (Taiwan only)						
192-97-2	Benzo(e)pyrene (EU only)						
205-82-3	Benzo(j)fluoranthene (EU only)						
5216-25-1	$\alpha$ , $\alpha$ , $\alpha$ , 4-tetrachlorotoluene; p-chlorobenzotrifluoride	1 mg/kg	EU	Amendment 2018/1513 to Annex XVII to Regulation (EC) No 1907/2006			
98-07-7	$\alpha$ , $\alpha$ , $\alpha$ -trichlorotoluene; benzotrifluoride	1 mg/kg	EU				
100-44-7	$\alpha$ -chlorotoluene; benzyl chloride	1 mg/kg	EU				

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 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	Turkey	South Korea: Applies to baby clothing only (less than 36 months).
15231-44-4	Diocetyl tin (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)	1 mg/kg	Taiwan CNS 15290	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII 0.1 % by weight of tin	Recommended test method CNS 15853-1 EN ISO 17353 (modified)/ EN ISO/TS 16179:2012 for footwear	Taiwan, 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	European Union	European Union REACH Regulation (EC) No. 1907/2006 Annex XVII	Recommended test method EN ISO 17353 (modified)/ EN ISO/TS 16179:2012 for footwear		

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	Not Detected	Switzerland, EU	European Union POPs Regulation (EC) No. 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	Prohibited	EU	European Union POPs Regulation (EC) No. 2019/1021 Annex I			
115-29-7	Endosulfan and its isomers						
959-98-8 33213-65-9							
36355-01-8	Hexabromobiphenyl	10 ppm	Switzerland	Switzerland: ORRChem textiles annex 1.1 (Art.3)	ISO 18219: 2015		
608-93-5	Pentachlorobenzene						
608-90-2	Pentabromobenzene	Prohibited	EU	European Union POPs Regulation (EC) No. 2019/1021 Annex I			
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 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
118-74-1	Hexachlorobenzene (Switzerland and EU POPs)	Prohibited	Canada, Switzerland, and the EU	Canada: Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285)			
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)			European Union POPs Regulation (EC) No. 2019/1021 Annex I			
87-86-5	Pentachlorophenol (PCP), its salts and compounds	Not used (textiles and leather) ≤ 5mg/kg (wood based materials) Pentachlorophenol (PCP) and its salts and esters equal to or below 5 mg/kg	Switzerland, EU	POP EU 2019/1021 Switzerland: ChemRRV (Chemikalien-Risikoreduktions-Verordnung) Art. 3 Appendix 1.1 and Appendix 2.17		Spain, Egypt, Denmark, Germany, the Netherlands, Austria, Norway, and South Korea, banned in GB 25036 and GB 25038	
25167-83-3 935-95-5	Tetrachlorophenol (TeCP), its salts and compounds 2,3,5,6-TeCP	Not detected (0.5 mg/kg)	China	GB 25036/ GB 25038	GB/T 184141.1 or GB/T 18414.2	Switzerland	2,3,5,6-TeCP is banned in China GB 25036 and GB 25038 for textile and synthetic leather materials. limit: Not detected (0.5 mg/kg)
624-49-7	Dimethyl Fumarate	Prohibited	EU	European Union REACH regulation (EC) No. 1907/2006 Annex XVII, limit 0.1 mg/kg	CNS 15331 Annex C	South Korea (KC Mark, for more information review Appendix II), Norway, and Taiwan	0.1 mg/kg - China (GB 30585-2014) will apply on 1 Jan 2016)
115-32-2	Dicofol	None	EU	EU POP 2019/1021			

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, and the 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 (EC) No. 2019/1021 Annex I			
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 Polychlorinated 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						

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
	Phthalates (Except those listed below, DEHP, DNOP, BBP, DBP, DINP, DIDP)	0.05% by weight	Denmark	Denmark Statutory Order 855 of 05/09/2009			Applies to childcare articles for children 0-3 years old.
117-81-7	Di (2-ethylhexyl) phthalate (DEHP)	U.S. and Canada each phthalates 0.1% by weight  For South Korea, DINP+DIDP+DNOP+DEHP+DBP+BBP = <0.1% by weight	South Korea, U.S., Denmark, and the EU	Self Regulatory Confirmation Notice (Notice No. 2007-34) issued by Korean Agency for Technology and Standards. U.S. Consumer Product Safety Improvement Act (PL 110-787). Schedule 1 of the Canadian Hazardous Products Act (Phthalates regulation SOR/ 2010-298)  European Union REACH Regulation (EC) no. 1907/2006 Candidate List for DEHP, BBP, DBP	CPSC-CH-C1001-09.3 or GB/T 22048-2008  Test method for EU: ISO14389: 2014	European Union (European Union REACH Regulation No. 1907/2006 Annex XVII), California (AB1108), Denmark (Statutory Order 786), South Korea (Standards Notice No. 2019-0352), Egypt, Turkey, and Denmark	In the U.S., regulated phthalates apply in child care articles (3 years and under) that facilitate sleep or feeding, including pajamas  In the EU, DEHP, DBP and BBP are restricted for child care articles intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children  Examples: Child bibs  Washington – Children’s Safe Products Act Part 1 (RCW 70.240.020) restricts the six phthalates. The sum of DEHP, BBP, DBP, DINP, DIDP, and DnOP must not exceed 1000 ppm  In the US, DINP, and in the EU DINP, DnOP, and DIDP are restricted in toys and child care articles that can be placed in the mouth. China - GB 30585-2014 regulate Infant’s footwear (0-36 months, footwear ≤170mm): DEHP, DBP, BBP, DINP, DIDP, DNOP: 0.1% by weight  Children’s footwear (36 months – 14 years, footwear: >170mm, but ≤ 250mm): DEHP, DBP, BBP: 0.1% By weight  US CPSC prohibits DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP, DCHP in children’s toys and child care articles (16 CFR 1307)
85-68-7	Benzyl Butyl phthalate (BBP)						
84-74-2	Di-n-butyl phthalate (DBP)						
117-84-0	Di-n-octyl phthalate (DNOP)						
68515-48-0 28553-12-0	Di-isononyl phthalate (DINP)						
68515-49-1 26761-40-0	Di-isodecyl phthalate (DIDP)						
				Restricted in the EU (REACH Annex XVII) for childcare articles which can be placed in the mouth by children intended to facilitate sleep, relaxation, hygiene, the feeding of children or sucking on the part of children			

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
131-11-3	Dimethyl phthalate (DMP)	0.1% (sum) by weight	Taiwan	CNS 15503 (children's products)	CNS 15138		
84-66-2	Diethyl phthalate (DEP)						
84-69-5	Diisobutyl phthalate (DIBP)	0.1% w/w per article (each) 1 000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes carcinogenicity, germ cell mutagenicity or reproductive toxicity, category 1A or 1B	European Union	European Union REACH Regulation (EC) no. 1907/2006 Candidate List	CPSC-CH-C1001-09.3 or GB/T 22048-2008 or ISO14389: 2014		
68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)						
71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)						
117-82-8	Bis(2-methoxyethyl) phthalate (DMEP)						
605-50-5	Diisopentylphthalate (DIPP)						
776297-69-9	N-pentyl-isopentyl phthalate (NPIPP)						
84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)						
84-75-3	Di-n-hexyl phthalate (DnHP/DHP)						
131-18-0	Dipentyl phthalate						
68515-50-4	1,2- Benzenedicarboxylic acid. Dihexyl ester. Branched and linear						
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)						

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	EU	Amendment 2018/1513 to Annex XVII to Regulation (EC) No 1907/2006	CEN ISO/TS 16189		
68-12-2	N,N-dimethylformamide; dimethylformamide (DMF)	3 000 mg/kg	EU				
87-68-3	Hexachlorobutadiene	100 ppm	EU, Switzerland, and Canada	EU: POP regulation 2019/1021 ANNEX I Switzerland: ORRchem annex 1.1 (art.3) Canada Prohibition of Certain Toxic Substances Regulations 2012 (SOR/2012-285)			
56-23-5	Carbon Tetrachloride	0.1% (mass)- Each	Switzerland, EU, and Japan	Germany - Chemikalienverbot 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	
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	EU and Japan	Germany - Chemikalienverbot  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	≤20 g/m <sup>2</sup>	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](http://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 Standards Institute (Deutsches Institut für Normung)

Dioxins and Furans - Chemical compounds that are a 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 - Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch – German Law Book on food, consumer article and feed

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)

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 ( $\mu\text{g/g}$ ).

PPB - Parts per Billion. A unit describing concentrations of chemical substances. 1 ppb can also be notated as 1 microgram per kilogram ( $\mu\text{g/kg}$ ).

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.

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

UK - United Kingdom

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
100-41-4	Ethylbenzene	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
100-42-5	Styrene	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
10043-35-3 / 11113-50-1	Boric acid	over 0.1%	EU	REACH SVHC			
10099-74-8	Lead dinitrate	over 0.1%	EU	REACH SVHC			
10108-64-2	Cadmium chloride	over 0.1%	EU	REACH SVHC			
101-14-4	2,2-dichloro-4,4-methylenedianiline	over 0.1%	EU	REACH SVHC			
10124-36-4, 31119-53-6	Cadmium sulphate	over 0.1%	EU	REACH SVHC			
10124-43-3	Cobalt(II) sulphate	over 0.1%	EU	REACH SVHC			
10141-05-6	Cobalt(II) dinitrate	over 0.1%	EU	REACH SVHC			
101-61-1	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	over 0.1%	EU	REACH SVHC			
101-77-9*	4,4'- Diaminodiphenylmethane (MDA)	over 0.1%	EU	REACH SVHC			
101-80-4	4,4'-oxydianiline and its salts	over 0.1%	EU	REACH SVHC			
104-40-5	4-Nonylphenol: 4-NP and its isomer mixtures including CAS 84852-15-3 and CAS 25154-52-3	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
106-47-8	para-Chloroaniline	60 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
106-94-5	1-bromopropane; n-propyl bromide	over 0.1%	EU	REACH SVHC			
107-06-2	1,2 Dichloroethane	over 0.1%	EU	REACH SVHC			
107-13-1	Acrylonitrile	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
107-21-1	Ethylene glycol	5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
108171-26-2	Chlorinated paraffins		United States	Washington CPSA		Vermont	any concentration above the PQL
108-88-3	Toluene	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
108-95-2	Phenol	60 ppm	United States	Washington CPSA			any concentration above the PQL
109-86-4*	2-Methoxyethanol	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon	
110-00-9	Furan	over 0.1%	EU	REACH SVHC			
110-71-4	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	over 0.1%	EU	REACH SVHC			
110-80-5*	2-Ethoxyethanol	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon	

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
11103-86-9	Potassium hydroxyoctaoxodizincate dichromate	over 0.1%	EU	REACH SVHC			
111-15-9	2-Ethoxyethyl acetate	over 0.1%	EU	REACH SVHC			
11120-22-2	Silicic acid, lead salt	over 0.1%	EU	REACH SVHC			
111-96-6	Bis(2-methoxyethyl) ether	over 0.1%	EU	REACH SVHC			
1120-71-4	1,3-propanesultone	over 0.1%	EU	REACH SVHC			
112-49-2	1,2-bis(2methoxy-ethoxy) ethane (TEGDME; triglyme)	over 0.1%	EU	REACH SVHC			
115-86-6	Triphenyl phosphate (TPP)	50 ppm	United States	Washington CPSA		Vermont	any concentration above the PQL
115-96-8*	Tris(2-chloroethyl)phosphate	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon	
1163-19-5	Bis(pentabromophenyl) ether (deca-BDE)	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	Over 0.1% EU REACH SVHC and any concentration above the PQL
117-81-7*	Bis (2-ethylhexyl)phthalate (DEHP)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon,	any concentration above the PQL
117-82-8	Bis(2mthoxyethyl) phthalate	over 0.1%	EU	REACH SVHC		Washington	any concentration above the PQL
117-84-0	Di-n-octyl phthalate (DnOP)	5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
118-74-1	Hexachlorobenzene	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
119313-12-1	2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone	over 0.1%	EU	REACH SVHC			
119-93-7	3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
120-12-7	Anthracene	over 0.1%	EU	REACH SVHC			
12036-76-9	Lead oxide sulfate	over 0.1%	EU	REACH SVHC			
120-47-8	Ethyl paraben	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
12060-00-3	Lead titanium trioxide	over 0.1%	EU	REACH SVHC			
12065-90-6	Pentalead tetraoxide sulphate	over 0.1%	EU	REACH SVHC			
120-71-8	6-methoxy-m-toluidine (p-cresidine)	over 0.1%	EU	REACH SVHC			
121-14-2*	2,4-Dinitrotoluene	over 0.1%	EU	REACH SVHC			
12141-20-7	Trilead dioxide phosphonate	over 0.1%	EU	REACH SVHC			
12202-17-4	Tetralead trioxide sulphate	over 0.1%	EU	REACH SVHC			
12267-73-1	Tetraboron disodium heptaoxide, hydrate	over 0.1%	EU	REACH SVHC			
123-77-3	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	over 0.1%	EU	REACH SVHC			
123-91-1	1,4-Dioxane	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
1241-94-7	Ethylhexyl diphenyl phosphate (EHDPP)		United States	Washington CPSA		Vermont	
12578-12-0	Dioxobis(stearato)trilead	over 0.1%	EU	REACH SVHC			
12626-81-2	Lead titanium zirconium oxide	over 0.1%	EU	REACH SVHC			
12656-85-8*	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	over 0.1%	EU	REACH SVHC			
126-72-7	Tris (2,3-dibromopropyl) phosphate	50 ppm	United States	Washington CPSA		Vermont	any concentration above the PQL
126-73-8	Tri-n-butyl phosphate	50 ppm	United States	Washington CPSA		Vermont	any concentration above the PQL
127-18-4	Perchloroethylene	0.5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
127-19-5	N,N Dimethylacetamide (DMAC)	over 0.1%	EU	REACH SVHC			
1303-28-2*	Diarsenic pentaoxide	over 0.1%	EU	REACH SVHC			
1303-86-2	Diboron trioxide	over 0.1%	EU	REACH SVHC			
1303-96-4/ 1330-43-4/ 12179-04-3	Disodium tetraborate, anhydrous	over 0.1%	EU	REACH SVHC			
1306-19-0	Cadmium oxide	over 0.1%	EU	REACH SVHC			
1306--23-6	Cadmium sulphide	over 0.1%	EU	REACH SVHC			
131-18-0	Dipentyl phthalate (DPP)	over 0.1%	EU	REACH SVHC		Washington, Vermont	
1314-41-6	Orange lead (lead tetroxide)	over 0.1%	EU	REACH SVHC			
131-55-5	Benzophenone-2 (Bp-2): 2,2',4,4'-Tetrahydroxybenzophenone	20 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
1317-36-8	Lead monoxide (lead oxide)	over 0.1%	EU	REACH SVHC			
1319-46-6	Trilead bis(carbonate) dihydroxide	over 0.1%	EU	REACH SVHC			
1327-53-3*	Diarsenic trioxide	over 0.1%	EU	REACH SVHC		Oregon	
1330-78-5	Tricresyl phosphate	50 ppm	United States	Washington CPSA		Vermont	any concentration above the PQL
1333-82-0*	Chromium trioxide	over 0.1%	EU	REACH SVHC			
13424-46-9	Lead azide, Lead diazide	over 0.1%	EU	REACH SVHC			
1344-37-2*	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	over 0.1%	EU	REACH SVHC			
13674-84-5	Tris(1-chloro-2-propyl) phosphate	50 ppm	United States	Washington CPSA		Vermont	any concentration above the PQL

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CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
13674-87-8	tris(1,3-dichloro-2-propyl)phosphate	50ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
13814-96-5	Lead bis(tetrafluoroborate)	over 0.1%	EU	REACH SVHC			
140-66-9	4-tert-Octylphenol	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon 10 ppm	any concentration above the PQL
140-67-0	Estragole	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
143860-04-2	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	over 0.1%	EU	REACH SVHC			
149-57-5	2-Ethylhexanoic acid	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
15245-44-0	Lead Styphnate	over 0.1%	EU	REACH SVHC			
15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	over 0.1%	EU	REACH SVHC			
15606-95-8	Triethyl arsenate	over 0.1%	EU	REACH SVHC			
17570-76-2	Lead(II) bis(methanesulfonate)	over 0.1%	EU	REACH SVHC			
1763-23-1	Perfluorooctanyl sulphonic acid and its salts; PFOS	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
1806-26-4	4-Octylphenol	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL

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CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
183658-27-7	2-ethylhexyl-2,3,4,5-tetrabromobenzoate	50 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
1937-37-7	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)	over 0.1%	EU	REACH SVHC			
2058-94-8	Henicosafuoroundecanoic acid	over 0.1%	EU	REACH SVHC			
20837-86-9	Lead cyanamidate	over 0.1%	EU	REACH SVHC			
22673-19-4 / 245-152-0	Dibutylbis(pentane-2,4-dionato-O,O')tin	over 0.1%	EU	REACH SVHC			
2451-62-9	TGIC (1,3,5, tris(oxiranyl methyl)-1,3 triazine-2,4,6 (1H,3H,5H)trione)	over 0.1%	EU	REACH SVHC			
24613-89-6	Dichromium tris(chromate)	over 0.1%	EU	REACH SVHC			
25013-16-5	Butylated hydroxyanisole, BHA	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
25154-52-3	Nonyl phenol	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
25155-23-1	Trixylyl phosphate	over 0.1%	EU	REACH SVHC			
25214-70-4	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	over 0.1%	EU	REACH SVHC			
25550-51-0/19438-60-9, 48122-14-1, 57110-29-9	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4][The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	over 0.1%	EU	REACH SVHC			
25637-99-4	Hexabromocyclododecane	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	any concentration above the PQL
25637-99-4 / 3194-55-6* (134237-50-6)* (134237-51-7)* (134237-52-8)*	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	over 0.1%	EU	REACH SVHC			
2580-56-5	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	over 0.1%	EU	REACH SVHC			
25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	over 0.1%	EU	REACH SVHC			
26040-51-7	Bis (2-ethylhexyl) tetrabromophthalate (TBPH)	50 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL

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CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
26761-40-0	Diisodecyl phthalate (DIDP)	50 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
28553-12-0	Diisononyl phthalate (DINP)	50 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
301-04-2	Lead di(acetate)	over 0.1%	EU	REACH SVHC			
302-01-2 / 7803-57-8	Hydrazine	over 0.1%	EU	REACH SVHC			
307-55-1	Tricosafuorododecanoic acid	over 0.1%	EU	REACH SVHC			
335-67-1	Pentadecafluorooctanoic acid (PFOA)	over 0.1%	EU	REACH SVHC		Washington, Vermont 0.001 ppm	any concentration above the PQL
36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	over 0.1%	EU	REACH SVHC			
3687-31-8	Trilead diarsenate	over 0.1%	EU	REACH SVHC			
375-95-1; 21049-39-8; 4149-60-4	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	over 0.1%	EU	REACH SVHC			
376-06-7	Heptacosafuorotetradecanoic acid	over 0.1%	EU	REACH SVHC			
38051-10-4	Bis(chloromethyl)propane-1,3-diyl tetrakis-(2-chloroethyl) bis(phosphate) (V6)	50 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
3825-26-1	Ammonium pentadecafluorooctanoate (APFO)	over 0.1%	EU	REACH SVHC			
3846-71-7	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	over 0.1%	EU	REACH SVHC			
3864-99-1	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	over 0.1%	EU	REACH SVHC			
49663-84-5	Pentazinc chromate octahydroxide	over 0.1%	EU	REACH SVHC			
50-00-0	Formaldehyde	5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	and substances that are intentionally added to release formaldehyde, including 5-Bromo-5-nitro-1,3-dioxane, Bronopol, Diazolidinyl urea, DMDM hydantoin, Imidazolidinyl urea, Methanol, (phenylmethoxy), Methenamine, Quaternium-15, and Sodium N-(hydroxymethyl)glycinat
50-32-8	Benzo[def]chrysene (Benzo[a]pyrene)	over 0.1%	EU	REACH SVHC			
513-79-1	Cobalt(II) carbonate	over 0.1%	EU	REACH SVHC			

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
51404-69-4	Acetic acid, lead salt, basic	over 0.1%	EU	REACH SVHC			
5466-77-3	2-Ethyl-hexyl-4-methoxycinnamate	5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
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) or Michler's base (EC No. 202-959-2)]	over 0.1%	EU	REACH SVHC			
556-67-2	Octamethylcyclotetrasiloxane	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
561-41-1	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	over 0.1%	EU	REACH SVHC			
56-35-9	Bis(tributyltin)oxide (TBTO)	over 0.1%	EU	REACH SVHC			
573-58-0	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)	over 0.1%	EU	REACH SVHC			
59653-74-6	b-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6(1H3H,5H)trione)	over 0.1%	EU	REACH SVHC			
60-09-3	4-Aminoazobenzene;	over 0.1%	EU	REACH SVHC			
605-50-5	Diisopentylphthalate (DIPP)	over 0.1%	EU	REACH SVHC			
608-93-5	Benzene, pentachloro	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
620-92-8	Bisphenol F	1 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
62229-08-7	Sulfurous acid, lead salt, dibasic	over 0.1%	EU	REACH SVHC			
62-53-3	Aniline	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
625-45-6	Methoxy acetic acid	over 0.1%	EU	REACH SVHC			
62-75-9	N-Nitrosodimethylamine	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
629-14-1	1,2-Diethoxyethane	over 0.1%	EU	REACH SVHC			
64-67-5	Diethyl sulphate	over 0.1%	EU	REACH SVHC			
6477-64-1	Lead dipicrate	over 0.1%	EU	REACH SVHC			
65996-93-2	Pitch, coal tar, high temp.	over 0.1%	EU	REACH SVHC			
6786-83-0	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	over 0.1%	EU	REACH SVHC			
6807-17-6	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	over 0.1%	EU	REACH SVHC			
68-12-2	N,N-dimethylformamide; dimethyl formamide	over 0.1%	EU	REACH SVHC			
683-18-1	Dibutyltin dichloride (DBTC)	over 0.1%	EU	REACH SVHC			
68515-42-4	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	over 0.1%	EU	REACH SVHC			
68515-50-4	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	over 0.1%	EU	REACH SVHC			
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)	over 0.1%	EU	REACH SVHC			

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
68784-75-8	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	over 0.1%	EU	REACH SVHC			
68937-41-7	Isopropylated triphenyl phosphate	50 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
69011-06-9	[Phthalato(2-Idioxotrilead	over 0.1%	EU	REACH SVHC			
693-98-1 / 211-765-7	2-methylimidazole	over 0.1%	EU	REACH SVHC			
71-43-2	Benzene	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
71-48-7	Cobalt(II) diacetate	over 0.1%	EU	REACH SVHC			
71850-09-4	Diisohexyl phthalate	over 0.1%	EU	REACH SVHC			
71868-10-5	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	over 0.1%	EU	REACH SVHC			
71888-89-6	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	over 0.1%	EU	REACH SVHC			
72629-94-8	Pentacosafuorotridecanoic acid	over 0.1%	EU	REACH SVHC			
7439-97-6	Mercury & mercury compounds including methyl mercury (22967-92-6)	0.5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	any concentration above the PQL
7439-98-7	Molybdenum & molybdenum compounds	1 ppm	United States	Vermont			
7440-36-0	Antimony & Antimony compounds	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
7440-38-2	Arsenic & Arsenic compounds including arsenic trioxide (1327-53-3) & dimethyl arsenic (75-60-5)	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	any concentration above the PQL
7440-43-9	Cadmium	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon, Maine 1ppm	any concentration above the PQL
7440-48-4	cobalt & cobalt compounds	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
75-01-4	Vinyl chloride	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
75-07-0	Acetaldehyde	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
75-09-2	Methylene chloride	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
75-12-7	Formamide	over 0.1%	EU	REACH SVHC			
75-15-0	Carbon disulfide	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
75-56-9	Methyloxirane (Propylene oxide)	over 0.1%	EU	REACH SVHC			
7632-04-4	Sodium peroxometaborate	over 0.1%	EU	REACH SVHC			
7646-79-9	Cobalt dichloride	over 0.1%	EU	REACH SVHC			
77-09-8	Phenolphthalein	over 0.1%	EU	REACH SVHC			
7738-94-5* 13530-68-2*	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	over 0.1%	EU	REACH SVHC			

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
7758-97-6*	Lead chromate	over 0.1%	EU	REACH SVHC			
776297-69-9	N-pentyl-isopentylphthalate	over 0.1%	EU	REACH SVHC			
7775-11-3*	Sodium chromate	over 0.1%	EU	REACH SVHC			
77-78-1	Dimethyl sulphate	over 0.1%	EU	REACH SVHC			
7778-39-4	Arsenic acid	over 0.1%	EU	REACH SVHC			
7778-44-1	Calcium Arsenate	over 0.1%	EU	REACH SVHC			
7778-50-9*	Potassium dichromate	over 0.1%	EU	REACH SVHC			
7784-40-9	Lead hydrogen arsenate	over 0.1%	EU	REACH SVHC			
7789-00-6*	Potassium chromate	over 0.1%	EU	REACH SVHC			
7789-06-2	Strontium chromate	over 0.1%	EU	REACH SVHC			
7789-09-5*	Ammonium dichromate	over 0.1%	EU	REACH SVHC			
7789-12-0/ 10588-01-9*	Sodium dichromate	over 0.1%	EU	REACH SVHC			
7790-79-6	Cadmium fluoride	over 0.1%	EU	REACH SVHC			
78-00-2	Tetraethyllead	over 0.1%	EU	REACH SVHC			
78-93-3	methyl ethyl ketone	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
79-01-6*	Trichloroethylene	over 0.1%	EU	REACH SVHC			
79-06-1	Acrylamide	over 0.1%	EU	REACH SVHC			
79-16-3	N-methylacetamide	over 0.1%	EU	REACH SVHC			
79-34-5	1,1,2,2,-Tetrachloroethane	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
79-94-7	Tetrabromobisphenol A	20 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
80-05-7	Bisphenol A	20 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
80-09-1	Bisphenol S (BPS)	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
8012-00-8	Pyrochlore, antimony lead yellow	over 0.1%	EU	REACH SVHC			
81-15-2*	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	over 0.1%	EU	REACH SVHC			
838-88-0	4,4'-methylenedi-o-toluidine	over 0.1%	EU	REACH SVHC			
842-07-9	C.I. solvent yellow 14	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
84-61-7	Dicyclohexyl phthalate (DCHP)	25 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
84-66-2	Diethyl phthalate	5 ppm	United States	Washington CPSA		Vermont, Washington, Oregon, Maine	any concentration above the PQL
84-69-5*	Diisobutyl phthalate (DIBP)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon, Maine 25 ppm	any concentration above the PQL
84-74-2*	Dibutyl phthalate (DBP)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon, Maine 5 ppm	any concentration above the PQL
84-75-3	Dihexyl phthalate	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon 5 ppm	any concentration above the PQL
84777-06-0	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	over 0.1%	EU	REACH SVHC			
84852-15-3	4-Nonyl phenol (NP) branched	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL

Appendix I Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.							
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
84852-53-9	Decabromodiphenyl ethane (DBDPE)	50 ppm	United States	Washington CPSA		Vermont, Washington	any concentration above the PQL
85-42-7, 13149-00-3, 14166-21-3	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	over 0.1%	EU	REACH SVHC			
85-44-9	Phthalic anhydride	100 ppm	United States	Vermont			
85535-84-8	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon 50 ppm	any concentration above the PQL
85-68-7*	Benzyl butyl phthalate (BBP)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon, Maine 5 ppm	any concentration above the PQL
86-30-6	N-Nitrosodiphenylamine	1 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
872-50-4	1-Methyl-2-pyrrolidone	over 0.1%	EU	REACH SVHC			
872-50-4	N-Methylpyrrolidone	50 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
87-68-3	Hexachlorobutadiene	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
88-85-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	over 0.1%	EU	REACH SVHC			
90-04-0	2-methoxyaniline; o-anisidine	over 0.1%	EU	REACH SVHC			
90640-80-5	Anthracene oil	over 0.1%	EU	REACH SVHC			
90640-81-6	Anthracene oil, anthracene paste	over 0.1%	EU	REACH SVHC			
90640-82-7	Anthracene oil, anthracene-low	over 0.1%	EU	REACH SVHC			
90-94-8	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	over 0.1%	EU	REACH SVHC			
91031-62-8	Fatty acids, C16-18, lead salts	over 0.1%	EU	REACH SVHC			
91995-15-2	Anthracene oil, anthracene paste, anthracene fraction	over 0.1%	EU	REACH SVHC			
91995-17-4	Anthracene oil, anthracene paste, distn. Lights	over 0.1%	EU	REACH SVHC			
92-67-1	Biphenyl-4-ylamine	over 0.1%	EU	REACH SVHC			
94-13-3	Propyl paraben	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
94-26-8	Butyl paraben	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
95-53-4	o-Toluidine	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon 1 ppm	any concentration above the PQL
95-80-7	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	over 0.1%	EU	REACH SVHC		Vermont, Washington, Oregon 10 ppm	any concentration above the PQL
96-18-4	1,2,3-Trichloropropane	over 0.1%	EU	REACH SVHC			
96-45-7	Imidazolidine-2-thione (2-imidazoline-2-thiol)	over 0.1%	EU	REACH SVHC			
97-56-3	o-aminoazotoluene	over 0.1%	EU	REACH SVHC			
98-95-3	Nitrobenzene	over 0.1%	EU	REACH SVHC			
99-76-3	Methyl paraben	30 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL
99-96-7	p-Hydroxybenzoic acid	10 ppm	United States	Washington CPSA		Vermont, Washington, Oregon	any concentration above the PQL

Appendix I	Reporting: Appendix I lists regulations which have a reporting requirement that are not necessarily otherwise listed in the RSL.						
CAS Number	Chemical Name	Restriction / Limit Triggering Reporting in Article	Country	Regulation	Test Method [detection limit] if any	Other Countries/States Which Also Require Reporting	Comments
Extracted from Index no. 650-017-00-8	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight	over 0.1%	EU	REACH SVHC			
Various	Perfluorobutane sulfonic acid (PFBS) and its salts	over 0.1%	EU	REACH SVHC			
	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated – covering well defined substances and UVCB substances, polymers and homologues	over 0.1%	EU	REACH SVHC			
	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	over 0.1%	EU	REACH SVHC			
	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	over 0.1%	EU	REACH SVHC			
	Sodium perborate; perboric acid, sodium salt	over 0.1%	EU	REACH SVHC			
	Alpha-hexabromocyclododecane	over 0.1%	EU	REACH SVHC			
	Beta-hexabromocyclododecane	over 0.1%	EU	REACH SVHC			
	Gamma-hexabromocyclododecane	over 0.1%	EU	REACH SVHC			
	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)	over 0.1%	EU	REACH SVHC			
	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 isomers of [1] and [2] or any combination thereof]	over 0.1%	EU	REACH SVHC			

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	Korea	Safety Quality Mark Act (KC Mark)			Age range off 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%	Korea	Safety Quality Mark Act (KC Mark)			Phthalates requirement in KC Mark:  Baby products (0-36 months): 0.1% (sum of DEHP, DBP, BBP, DIDP, DINP, DNOP)  Children product (3-14 years): 0.1% (sum of DEHP, DBP, BBP)
117-81-7	Di (2-ethylhexyl) phthalate (DEHP)						
85-68-7	Benzyl Butyl phthalate (BBP)						
84-74-2	Di-n-butyl phthalate (DBP)						
68515-48-0	Di-isononyl phthalate (DINP)						
68515-49-1	Di-isodecyl phthalate (DIDP)						
26761-40-0	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	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, U.S.A	Lead Poisoning Prevention Act			Toys with paints, child care articles, children's jewelry
	Lead (Pb) (above 16 years)	600 ppm					
	NP/NPEO	100ppm	Korea	Safety Quality Mark Act (KC Mark)			
Various	PFAS Chemicals	intentionally added	Colorado	Colorado Revised Statutes 24-33.5-1234			Notification of customer required for firefighting personal protective equipment

Change Log from RSL 21 to RSL 22	
Arylamines	Updates Leather and textile ISO standards for azo dyes
Asbestos	
Dioxins & Furans	
Disperse Dyes	
Flame Retardants	Add Flame retardants under Massachusetts H. 4900, Change Deca-BDE (10 mg/kg) to regulation under POP EU 2019/1021, Add Maryland restriction of all Halogenated, Phosphorus, Nitrogen, or Nanoscale Flame Retardants
Fluorinated Greenhouse Gases	
Metals	
Misc.	Change PFOA (25 ppb) to regulation under POP EU 2019/1021, Deletes CAS for nonylphenol as the scope covers all isomers of NP, Scope for CNS 15290 changed from textile products below age 12 to all textile products
Organotin Compounds	Method changed from NIEA T504.30B to CNS 15853-1 for Tributyltin, Method changed from NIEA T504.30B to CNS 15853-1 for Triphenyltin
Pesticides	Change PCP to regulation under POP EU 2019/1021, Add Dicophol to EU pop 2019/1021, Regulation (EC) No 850/2004 replaced with POP EU 2019/1021
Phthalates	South Korea $\leq 0.1\%$ (sum) for combined six phthalates concentration in polymeric/plastic materials
Solvents	
Appendix I: Reporting	Vermont expands the definition of formaldehyde to formaldehyde and substances that are intentionally added to release formaldehyde, Add Maine reporting requirement for PFOS, add 2-methylimidazole and Dibutylbis(pentane-2,4-dionato-O,O')tin to REACH reporting
Appendix II: Labeling	

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