

# Restricted Substances List

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*Collaboration with our Brands and Partners is essential to the way we grow, as a business, partnership and deliver only safe and high-quality products to our fashion platform for customers' joy.*

## 1. Product Safety

### 1.1 Legislative Requirements

Zalando reserve the right to reject products failing to meet any requirement of the applicable law, with, but not exclusively:

- General Product Safety Directive (GPSD) 2001/95/EC including its transposition of German Product Safety Act 2005/32/EG,
- REACH Regulation 1907/2006/EU,
- CLP Regulation 1272/2008,
- Fibre Composition Directive (EU) 1007/2011,
- Toy Safety Directive 2009/48/EC,
- Cosmetic Products Regulation (EC) 1223/2009,
- Personal Protective Equipment Regulations (EU) 2016/425,
- RoHS (Recast) Directive 2011/65/EU and all secondary legislation,
- Waste of Electrical and Electronic Equipment Directive 2012/19/EU (WEEE Directive),
- Low Voltage Directive (LVD) 2014/35/EU,
- Electromagnetic Compatibility Directive (EMC) 2014/30/EU, 2014/53/EU
- The Batteries and Accumulators and Waste of the Batteries and Accumulators Directive 2006/66/EC including all secondary legislation,
- European Labelling Directive for Footwear 94/11/EC,
- Timber Regulation (EUTR),
- The Food Imitations (Safety) Regulations 1989.
- Chemical Risk Reduction Ordinance, ORRChem of 18 May 2005
- POP Regulation (EU) 2019/1021
- Biocidal Products Regulation (EU) 528/2012

**Legislation is often being updated and it is your responsibility as a supplier to be fully aware of current content and keep up with all changes applicable to your product range.**

## 1.2 Zalando Chemical Policy

The fashion industry is transparent about the fact that advanced chemistry is essential for making items in our wardrobe more creative, colourful, comfortable, durable and affordable. However, it is also anticipated that hazardous chemicals will be selected responsibly to eliminate harm to consumers, environment and workers within the supply chain.

We believe that due to the scale of our fashion platform, we can make a significant contribution and impact by setting stringent standards and collaboratively work on achieving them with our Suppliers and Partners.

To control chemical compliance Zalando established a Restricted Substances List (RSL) which specifies permitted limits of toxic and harmful substances. The RSL was developed in line with REACH regulations, as well as legislative and regulatory requirements set by trading territories that Zalando operate within. There is no way to prove that a product is compliant without it undergoing full testing.

All Zalando Suppliers and Partners are required to implement a robust chemical management system and due diligence testing to ensure compliance with Zalando Restricted Substances List (RSL) and relevant international standards and legislations.

Certain OEKO-tex certificates will be accepted by Zalando in lieu of chemical testing. These are only style level certificates where the whole product and all its components have been tested e.g. OEKO-tex 100.

In addition to the routine testing carried out by the supplier, Zalando reserves the right to independently test random products as a part of Zalando due diligence program. If the product conforms to limits outlined by our RSL, the costs associated with this testing will be covered by Zalando. In the event of non-conformance, cost will be at the responsibility of the supplier.

Failure to meet Zalando requirements will not be commercially accepted.

Non-conformity against legal requirements, Zalando QA Manual and compliance processes may most definitely result in:

- Rejection/return and destroy/disposal of non-compliant stock (arranged at supplier's expense).
- Withdrawal product from the market or/and product RECALL from end users.
- Cancellation of any future deliveries.
- Imposition of financial deductions including but not limited to coverage of the complete costs associated with product recall, testing cost, penalties to surveillance authorities and NGOs.
- Debit against the supplier for lost profits.
- Damage of the Brand/Supplier's reputation
- Re-examination and termination of the existing business relationship with supplier.
- Indemnification of Zalando against third party claims resulting from non-conformity.

### 1.3 Restricted Substances List (RSL)

Table 1 – Zalando Restricted Substances List (RSL)

Classification	Restricted Substance	CAS No	Testing Method	Regulation / Limit Value
<b>Arylamines</b>				
	o-Aminoazotoluene	97-56-3	<b>Textiles:</b>  EN ISO 14362-1:2017  EN ISO 14362-3:2017  <b>Leather:</b>  ISO 17234-1:2015 ISO 17234-2:2011	EU REACH Annex XVII Entry 43 Regs (EC) No 1907/2006
	2,4-Diaminoanisole	615-05-4 (39156-41-7)		
	2,4-Toluenediamine	95-80-7		
	2,4-Xylidine	95-68-1		
	2,6-Xylidine	87-62-7		
	2-Amino-4-Nitrotoluene	99-55-8		
	2,4,5-Trimethylaniline	137-17-7 (21436-97-5)		COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018
	p-Cresidine	120-71-8		
	3,3'-Dimethyl-4,4'-Diaminodiphenylmethane	838-88-0		
	4,4'-Diaminodiphenylmethane	101-77-9		
	4,4'-Methylene-Bis-(2-Chloroaniline)	101-14-4		
	4,4'-Oxydianiline	101-80-4		
	4,4'-Thiodianiline	139-65-1		

	4-Aminoazobenzene	60-09-3	<b>Toys:</b> EN 71-9:2005+A1:2007 <b>Test methods:</b> EN71-10/11	Limit value: 5 mg/kg
	4-Aminodiphenyl	92-67-1		
	4-Chloro-O-Toluidine	95-69-2 (3165-93-3)		
	Benzidine	92-87-5		
	2-Naphthylamine	91-59-8 (553-00-4)		
	p-Chloroaniline	106-47-8		
	3,3'-Dichlorobenzidine	91-94-1		
	3,3'-Dimethoxybenzidine	119-90-4		
	3,3'-Dimethylbenzidine	119-93-7		
	o-Anisidine	90-04-0		
	o-Toluidine	95-53-4		
	Aniline	62-53-3		
<b>Carcinogenic and Disperse Dyestuff</b>				
Allergenic and Carcinogenic	Disperse Blue 3	2475-46-9	<b>Textile:</b> DIN 54231:2005 and LFGB §64 BVL B 82.02-10	Germany: §64 LFGB B82.02-10  Limit Value: 50 mg/kg - each listed substance
	Disperse Blue 7	3179-90-6		
	Disperse Blue 26	3860-63-7		
	Disperse Blue 35	56524-77-7 56524-76-6		
	Disperse Blue 102	12222-97-8		
	Disperse Blue 106	12223-01-7		
	Disperse Blue 124	61951-51-7		
	Disperse Red 1	2872-52-8		
	Disperse Red 151	61968-47-6		

Allergenic and Carcinogenic	Disperse Red 11	2872-48-2	<b>Textile:</b> DIN 54231:2005 and LFGB §64 BVL B 82.02-10	Germany: §64 LFGB B82.02-10  Limit Value: 50 mg/kg - each listed substance
	Disperse Red 17	3179-89-3		
	Disperse Yellow 1	119-15-3		
	Disperse Yellow 9	6373-73-5		
	Disperse Yellow 39	12236-29-2		
	Disperse Yellow 49	54824-37-2		
	Acid Red 26	3761-53-3		
	Basic Violet 14	632-99-5		
	Direct Black 38	1937-37-7		
	Direct Blue 6	2602-46-2		
	Direct Red 28	573-58-0		
	Direct Brown 95	16071-86-6		
	Disperse Blue 1	2475-45-8		
	Disperse Orange 11	82-28-0		
	Disperse Orange 149	85316-74-9		
	Disperse Yellow 3	2832-40-8		
	Disperse Yellow 7	6300-37-4		
	Disperse Yellow 23	6250-23-3		
	Disperse Yellow 56	54077-16-6		
	Acid Violet 49	1694-09-3		
Basic Blue 26	2580-56-5			
Basic Green 4	569-64-2 2437 -29-8			

Allergenic and Carcinogenic		10309-95-2	<b>Textile:</b> DIN 54231:2005 and LFGB §64 BVL B 82.02-10	Germany: §64 LFGB B82.02-10  Limit Value: 50 mg/kg - each listed substance
	Basic Violet 1	8004-87-3		
	Solvent Blue 4	6786-83-0		
	Solvent Violet 8	52080-58-7 561-41-1		
	Solvent Yellow 2	60-11-7		
	Solvent Yellow 14	842-07-9		
	Blue colorant	118685-33-9		
	Disperse Orange 37/76/59	13301-61-6 12223-33-5 51811-42-8		
	Disperse Brown 1	23355-64-8		
	Disperse Orange 1	2581-69-3		
	Disperse Orange 3	730-40-5		
	Basic Red 9	569-61-9		COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018 Limit Value: 50 mg/kg - each listed substance
	Basic Violet 3	548-62-9		



	Acid Red 26	3761-53-3	<b>Toys:</b> EN71-9:2005 +A1:2007 <b>Test methods:</b> EN71-10/11	Limit value: 10 mg/kg for each substance
	Solvent yellow 1	60-09-3		
	Solvent Yellow 2	60-11-7		
	Solvent yellow 3	97-56-3		
	Disperse Blue 1	2475-45-8		
	Disperse Blue 3	2475-46-9		
	Disperse Blue 106	12223-01-7		
	Disperse Blue 124	61951-51-7		
	Disperse Yellow 3	2832-40-8		
	Disperse Red 1	2872-52-8		
	Disperse Orange 37/76	13301-61-6 12223-33-5		
	Disperse Orange 3	730-40-5		
	Basic Violet 1	8004-87-3		
	Basic Red 9	569-61-9		
	Basic Violet 3	548-62-9		
Others	Quinoline	91-22-5	DIN 54231:2005 AfPS GS 2019:01	COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018 Limit Value: 50 mg/kg

Biocides				
Chlorinated Phenols	Pentachlorophenol	87-86-5	<b>Textile:</b> Chromatographic Methods and/or Method LFGB § 64 BVL B 82.02.8 or ISO 17070  <b>Footwear:</b> ISO 17070:2015 or DIN 50009:2019	POP Regulation (EU) 2019/1021  Switzerland: Chemical Risk Reduction (ChemRRV) (SR 814.81)  0.5 mg/kg each
	2,3,4,5-Tetrachlorophenol	4901-51-3		
	2,3,4,6-Tetrachlorophenol	58-90-2		
	2,3,5,6-Tetrachlorophenol	935-95-5		
Tin Organic Compounds	Dibutyltin (DBT) compounds	1002-53-5 683-18-1	<b>Textile, Footwear, Leather, Plastic:</b> CEN ISO TS 16179:2012	EU REACH Annex XVII Entry 20 Regs (EC) No 1907/2006  Limit Value: 1000 mg/kg by weight of Tin
	Diocetyl tin (DOT) compounds	15231-44-4 15571-58-1		
	Tributyltin (TBT) compounds	36643-28-4 56-35-9		
	Triphenyltin (TPhT) compounds	668-34-8		
Biocides	Dimethyl Fumarate (DMFu)	624-49-7	<b>Textile:</b> EN 17130:2019 <b>Other Materials:</b>	EU REACH Annex XVII Entry 61 Regs (EC) No 1907/2006 Limit Value: 1.1 mg/kg

			CEN ISO/TS 16186:2012	
Pesticides	2-Octylisothiazol-3(2H)-on	26530-20-1	ISO 13365:2011 or CADS-KOH-method	250 mg/kg
	2-Phenylphenol	90-43-7		1000 mg/kg leather 100 mg/kg other
	2-(Thiocyanomethylthio)-Benzothiazole	21564-17-0		500 mg/kg
	Triclosan	3380-34-5		50 mg/kg
	4-Chloro-3-Methylphenol (CMK)	59-50-7		600 mg/kg leather
	various	various	Chromatographic Methods and/or Methods US EPA 8081A, US EPA 8081B and US EPA 8151A	POP Regulation (EU) 2019/1021 Switzerland Chemical Risk Reduction (SR 814.81) BPR (EU) Nr. 528/2012  forbidden

Heavy Metals				
Heavy Metals	Cadmium (Cd)	7440-43-9	<b>Leather:</b> EN ISO 17072-2:2017 <b>Other:</b> EN 16711-1:2016  <b>RoHS:</b> DIN EN 62321	EU REACH Annex XVII Entry 23 Regs (EC) No 1907/2006 (plastics and jewellery) Denmark Statutory Order Regulation 858-2009 (others)  Limit Value: Plastics, jewellery, toys, electric and electronic devices (RoHS): 100 mg/kg Others: 75 mg/kg
	Chromium (VI)	18540-29-9	<b>Leather:</b> EN ISO 17075-2:2017 (With aging through: Time: 24hrs, Temperature 80°C ± 2°C, Humidity: <10%) <b>RoHS:</b> DIN EN 62321	EU REACH Annex XVII Entry 47 Regs (EC) No 1907/2006 Limit Value: 3 mg/kg  Toys: 1 mg/kg (after extraction)  1000 mg/kg for electric and electronic devices (RoHS)

Heavy Metals	Lead (Pb)	7439-92-1	<b>Leather:</b> ISO 17072-2:2019  <b>RoHS:</b> DIN EN 62321  <b>Other:</b> EN 16711-1:2016  <b>Footwear:</b> DIN EN 14602  <b>Migration</b> EN 16711-3	EU REACH Annex XVII Entry 63 Regs (EC) No 1907/2006 Denmark Statutory Order Regulation 856-2009 (others)  Limit Value: 1000 mg/kg for electric and electronic devices (RoHS) 500 mg/kg or 0,05 µg/g/h for toys and glass 100 mg/kg others
	Mercury	7439-97-6	<b>Leather:</b> EN ISO 17072-2:2017 <b>Other:</b> EN 16711-1:2016  <b>RoHS:</b> DIN EN 62321	Norway Regulation No. 922 of 1 June 2004 Limit Value: 10 mg/kg  1000 mg/kg for electric and electronic devices (RoHS)

	Nickel (Ni) Release	7440-02-0	EN 1811:2011 +A1:2015 (non-coated)  EN 12472:2005+ A1:2009 (coated items)  <b>Sunglasses:</b> EN16128:2015	EU REACH Annex XVII Entry 27 of (EC) No 1907/2006  < 0.5µg/cm <sup>2</sup> /week non-pierced components < 0.2µg/cm <sup>2</sup> /week pierced components
Extractable Heavy Metals	Arsenic and arsenic compounds	7440-38-2 various	<b>Textiles:</b> EN 16711-2:2015	COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018  Materials with skin contact 1 mg/kg (expressed as As/Cd/Pb/Cr(VI) metal that can be extracted from the material)
	Cadmium and cadmium compounds	7440-43-9 various		
	Lead and lead compounds	7439-92-1 various		
	Chromium(VI) compounds	18540-29-9 various	EN 16711-2:2016 with EN ISO 17075-1:2017 if Cr is detected	

Perfluororganic Compounds				
PFCs	Perfluorooctanesulfonic Acid and PFOS-related substances  (PFOS)	1763-23-1 various	<b>Textile, leather and plastic:</b> EN ISO 23702-1:2019	POP Regulation (EU) 2019/1021  1 µg/m <sup>2</sup> textile, coated leather
	Perfluorooctanoic Acid (PFOA) and PFOA-related salts and substances	335-67-1 various		EU: REACH Annex XVII Entry 68 (effective date: 4th July 2020)  1 µg/m <sup>2</sup> textile, coated leather 0.025 mg/kg not-coated leather for PFOA and its salts; 1 mg/kg for PFOA-related substances

Alkylphenols and Alkyphenoethoxylates				
AP/APEO	Alkylphenol (Ethoxylates)	Various	Alkylphenols: EN ISO 21084:2019 Alkylphenol Ethoxylates: <b>Textile:</b> EN ISO 18254-1: 2016 <b>Leather:</b> EN ISO 18218-1:2015	EU: REACH Annex XVII Entry 46a of (EU) No 2016/26  Limit Value:100 mg/kg
Volatile Organic Compounds and Solvents				
VOC	Formaldehyde	50-00-0	<b>Leather:</b> EN ISO 17226-1:2019  <b>Textile:</b> EN ISO 14184-1:2011  <b>Toys:</b> 2009/48/EC, Appendix C	Various National Legal Requirements: < 3 years old with skin contact: 20 mg/kg Adults: Direct skin contact: 75 mg/kg Non-direct skin contact: 300 mg/kg  Toys intended for use by children <b>under 36 months</b> or in other toys <b>intended to</b>



VOC				<b>be placed in mouth:</b> 1.5 mg/L** (migration limit) Resin-bonded wood toy material: 0.1 ml/m <sup>3</sup> ** Water-based toy material: 10 mg/kg Textile, leather and paper toy material: 30 mg/kg** **Effective date: 21 May 2021
	1,2-Dichloroethane	107-06-2	Headspace-GC-MS (120°C/45 min)	Limit Value: 10 mg/kg
	2-Phenyl-2-Propanol	617-94-7		Limit Value: 20 mg/kg Toys: 1 mg/L
	Ethyl benzene	100-41-4		Limit Value: 10 mg/kg
	Acetophenone	98-86-2		(including toys)
	Benzene	71-43-2		Limit Value: 30 mg/kg Toys: 0.75 mg/L
	Styrene	100-42-5		Limit Value: 200 mg/kg
	Formamide	75-12-7		Limit Value: 50 mg/kg Toys: 46 mg/L
	Cyclohexanone	108-94-1		
	2-Butanone (MEK)	78-93-3		
Phenol	108-95-2	Limit Value: 100 mg/kg Toys: 5 mg/kg (migration limit)		

VOC	Tetrachloroethylene	127-18-4		Limit Value: 50 mg/kg
	Toluene	108-88-3		Limit Value: 10 mg/kg Toys: 2 mg/L
	Trichloroethylene	79-01-6		Limit Value: 50 mg/kg Toys: 0.02 mg/L
	Xylene	1330-20-7		Limit Value: 30 mg/kg Toys: 2 mg/L (total all isomers)
	Dimethylformamide (DMFa)	68-12-2	Chromatographic Methods  <b>Footwear:</b> CEN ISO/TS 16189:2013	EU: Annex XIV of REACH Authorisation List.  Limit Value: 1000 mg/kg
	1-Methyl-2-pyrrolidone (NMP)	872-50-4	CEN ISO/TS 16189:2013	COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018 Limit Value: 3000 mg/kg
	N,N-Dimethylacetamide (DMAC)	204-826-4		
	Dichloromethane	75-09-2	<b>Toys:</b> EN 71-9:2005+A1:2007 <b>Test methods:</b> EN71-10/11	Limit value: 0.06 mg/L
	Methanol	67-56-1		Limit value: 5 mg/L
	Nitrobenzene	98-95-3		Limit value: 0.02 mg/L

Flame Retardants					
Flame Retardants	Octabromodiphenyl ether (OctaBDE)	32536-52-0	DIN EN ISO 17881-1:2016-09, DIN EN ISO 17881-2:2016-09  <b>RoHS:</b> DIN EN 62321  <b>Toys:</b> EN 71-9:2005+A1:2007	EU REACH Annex XVII 45 Limit Value:1000 mg/kg	
	Heptabromodiphenyl ether (HeptaBDE)	68928-80-3		POP Regulation (EU) 2019/1021  Limit Value: 500 mg/kg	
	Hexabromodiphenyl ether (HexaBDE)	36483-60-0			
	Pentabromodiphenyl ether (PentaBDE)	32534-81-9			
	Tetrabromodiphenyl ether (TetraBDE)	40088-47-9			
	Decabromodiphenyl ether (DecaBDE)	1163-19-5			
	Polybromobiphenyls (PBB)	59536-65-1			For PBB: 1000 mg/kg for electric and electronic devices (RoHS) Germany Customer Goods Ordinance EU REACH Annex XVII 4, 7 & 8 Limit Value: 10 mg/kg Toys: prohibited
	Tris-(2,3-dibromopropyl)-phosphate (TRIS) / (TDBPP)	126-72-7			
	Tris-(aziridiny)-phosphine oxide (TEPA)	545-55-1			

	Hexabromocyclododecane (HBCDD / HBCD)	various		HBCDD: 100 mg/kg
	Polybrominated Diphenyl esthers (PBDE)	various		1000 mg/kg for electric and electronic devices (RoHS)
Flame Retardants	Tris (2-chloroisopropyl) phosphate	13674-84-5	<b>Toys:</b> EN 71-9:2005+A1:2007	Toy Safety Directive (EC) No. 2009/48, Appendix C of Annex II Limit value: 5 mg/kg for each (content limit)
	Tris(1,3-dichloropropan-2-yl) phosphate	13674-87-8		
	Tris(2-chloroethyl) phosphate	115-96-8		
Asbestos	Various	various	EPA/600/R-93/116 for qualitative analysis using Polarized Light Microscopy (PLM), X-Ray Diffraction (XRD) and Analytical Transmission Electron Microscopy (AEM) or other Analytical Methods by Microscopy (Polarized Light Microscopy (PLM))	EU: REACH Regulation (EC) No 1907/2006 Entry 6  Limit Value: Prohibited

Organochlorine Compounds				
Organochlorinated Compounds	Pentachlorobenzene	608-93-5	<b>Textile:</b> Chromatographic Methods and/or Method DIN 54232:2010-08  <b>Leather:</b> Chromatographic Methods	POP Regulation (EU) 2019/1021  Limit Value: 1 mg/kg
	Hexachlorobenzene	118-74-1		
	Polychlorinated naphthalenes	70776-03-3		
	4-Chlorobenzotrichloride	5216-25-1		COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018  Limit Value: 1 mg/kg
	Benzo trichloride	98-07-7		
	Benzyl chloride	100-44-7		

Phthalate Esters					
Phthalates	Dibutyl phthalate (DBP)	84-74-2	<p><b>RoHS:</b> DIN EN 62321-8</p> <p><b>Textile:</b> ISO 14389:2014</p> <p><b>Footwear:</b> CEN ISO/TS 16181:2011</p> <p><b>Leather and Plastic:</b> Chromatographic Methods</p>	EU REACH Annex XVII Entry 52 of (EC) No 1907/2006	
	Benzylbutylphthalate (BBP)	85-68-7		4 Phthalates $\Sigma$ = 1000 mg/kg (All articles, including RoHS)	
	Diethylhexylphthalate (DEHP)	117-81-7		EU REACH Annex XVII Entry 52 of (EC) No 1907/2006	
	Diisobutylphthalate (DIBP)	84-69-5		Children <14 years old $\Sigma$ = 1000 mg/kg	
	Diisodecylphthalate (DIDP)	26761-40-0		COMMISSION REGULATION (EU) 2018/1513 of 10 October 2018	
	Diisononylphthalate (DINP)	28553-12-0			9 Phthalates $\Sigma$ = 1000 mg/kg (Apparel and Footwear)
	Di-n-octylphthalate (DNOP)	117-84-0			
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6			
	Bis-(2-methoxyethyl)-phth alate (BMEP)	117-82-8			
	Diisopentylphthalate (DiPP)	605-50-5			
	Dipentylphthalate	131-18-0			
	Di-n-hexylphthalate (DHP) (DnHP)	84-75-3			

Polycyclic Aromatic Hydrocarbons				
(PAHs)	Benzo[j]fluoranthene	205-82-3	<p><b>Plastic:</b> AfPS GS 2019:01 PAH, (GC/MS analysis)</p> <p><b>Footwear:</b> CEN ISO/TS 16190:2013</p>	<p>EU REACH Annex XVII Entry 50 of (EC) No 1907/200</p> <p><b>Adults:</b> Limit Value: 1 mg/kg each</p> <p><b>Childcare articles, Toys:</b> Limit Value: 0.5mg/kg each</p> <p>Limit Value: 10 mg/kg</p> <p>Limit Value: ∑ 10 mg/kg</p>
	Benzo[e]pyrene	192-97-2		
	Dibenzo[a,h]anthracene	53-70-3		
	Benzo[a]pyrene	50-32-8		
	Benzo[k]fluoranthene	207-08-9		
	Benzo[b]fluoranthene	205-99-2		
	Chrysene	218-01-9		
	Benzo[a]anthracene	56-55-3		
	Naphthalene	91-20-3		
	Acenaphthylene	208-96-8		
	Acenaphthene	83-32-9		
	Fluorene	86-73-7		
	Phenanthrene	85-01-8		
	Anthracene	120-12-7		
	Fluoranthene	206-44-0		
	Pyrene	129-00-0		
	Benzo[g,h,i]perylene	191-24-2		
Indeno[1,2,3-cd]pyrene	193-39-5			

Plasticizers				
Plasticizers	Triphenyl phosphate	115-86-6	<b>Toys:</b> EN 71-9:2005+A1:2007, <b>Test methods:</b> EN71-10/11	Toy Safety Directive 2009/48/EC Limit value: 0.03 mg/kg
	Tri-o-cresyl phosphate	78-30-8,		
	Tri-m-cresyl phosphate	mixed isomers		
	Tri-p-cresyl phosphate	1330-78-5		
Monomers				
Monomers	Bisphenol A	80-05-7	<b>Toys:</b> EN 71-9:2005+A1:2007  <b>Test methods:</b> EN71-10/11	Toy Safety Directive (EC) no. 2009/48, Appendix C of Annex II  Limit Value: 0.1 mg/L
	Acrylamide	79-06-1		Toy Safety Directive (EC) no. 2009/48, Appendix C of Annex II  Limit Value: 0.02 mg/L



Environmentally Relevant Substances				
Short Chained Chlorinated Paraffins	SCCPs (C10-C13)	85535-84-8	<b>Leather:</b> DIN EN ISO 18219:2016  <b>Plastics:</b> CADS SCCP/MCCP-Method	POP Regulation (EU) 2019/1021  REACH (EC1907/2006) Limit Value: 1000 mg/kg  Toys: 150 mg/kg
Ozone-depleting Substances	various	various	GC/MS headspace 120°C for 45 minutes	(EC) No 1005/2009 Limit value: 5 mg/kg
Fluorinated Greenhouse Gases	various	various	Sample preparation: Purge and trap – thermal desorption or SPME Measurement: GC/MS	(EC) No 842/2006 Limit value: 0.1 mg/kg

pH-value				
pH-value	pH value	none	<b>Non-Leather:</b> DIN EN ISO 3071:2006; Extraction in potassium chloride  <b>Leather:</b> EN ISO 4045:2018	Textiles:4.0 - 7.5 /  Footwear:4.0 – 7.5  Accessories: 4 – 8.5  Leather: 3.5 – 7.0 Footwear & Accessories: 3.2 – 7.0
Packaging parameters				
Asbestos	various	various	NIOSH 9002 by Polarized Light Microscopy	REACH (1907/2006/EC) Annex XVII; Entry 6 1000 mg/kg
Chlorophenols	Pentachlorophenol	87-86-5	<b>Wood and cork:</b> CEN/TR 14823:2003  <b>Textile, paper and cardboard:</b> Chromatographic with derivatization as acetate: Methods and/or Method LFGB § 64 BVL B 82.02.8	Switzerland: Chemical Risk Reduction (ChemRRV) (SR 814.81)  Limit Value: Each 0.5 mg/kg
	Tetrachlorophenols	4901-51-3 58-90-2 935-95-5		
Biocides	Dimethyl Fumarate	624-49-7	<b>Textile, Leather and Plastic:</b> Chromatographic Methods (GC-MS and LC-MS) ISO/TS 16186:2012	REACH (1907/2006/EC) Annex XVII; Entry 61  Limit Value: 0.1 mg/kg

Flame Retardants	Various (as above)	Various (as above)	Solvent Extraction followed by GC MS/LC-MS Analysis (EPA methods 527 and 8321B)	REACH (1907/2006/EC) Annex XVII; Entry 67 POP Regulation (EU) 2019/1021  Limit Values: As above
Organochlorinated Compounds	Pentachlorobenzene	608-93-5	<b>Textile:</b> Chromatographic Methods and/or Method DIN 54232:2010-08 <b>Leather:</b> Chromatographic Methods	POP Regulation (EU) 2019/1021  Limit Value: 1 mg/kg
	Polychlorinated Naphthalenes	70776-03-3		
Pesticides	Various	Various	As above	As above
Short Chain Chlorinated Paraffins	SCCPs (C10-C13)	05535-84-8	<b>Leather:</b> DIN EN ISO 18219:2016 <b>Plastics:</b> CADS SCCP/MCCP-Method	POP Regulation (EU) 2019/1021  REACH (EC1907/2006) Limit Value: 1000 mg/kg

Heavy Metals	Sum of Lead, Cadmium, Mercury, Chromium VI	various	Lead, Cadmium Mercury: Total digestion; ICP-OES or ICP-MS (EPA methods 3015A and 6020A). Chromium (VI), by extraction and UV-Vis analysis (EPA method 7196A)	European Parliament and Council Directive 94/62/EC on packaging and packaging waste  Limit Value: ∑ 100 mg/kg
Substances of Very High Concern				
SVHCs		<p>REACH (EC1907/2006), Suppliers to fulfil obligations imposed by Article 33, for the SVHCs in the concentration of above 0.1% by weight of whole product: <a href="https://echa.europa.eu/candidate-list-table">https://echa.europa.eu/candidate-list-table</a></p> <p>In case a customer is requesting information on SVHCs, we will require an official statement in writing from your company. This information must be provided within 5 working days upon receipt of the notification about request.</p>		

<b>Migration limit from toy items</b>				
Chemical	Category I [mg/kg]	Category II [mg/kg]	Category III [mg/kg]	Testing method
Aluminium	5 625 (2.250)*	1 406 (560)*	70 000 (28.130)*	According to EN71-3:2019
Antimony	45	11.3	560	
Arsenic	3.8	0.9	47	
Barium	1 500	375	18 750	
Boron	1 200	300	15 000	
Cadmium	1.3	0.3	17	
Chromium (III)	37.5	9.4	460	
Chromium (VI)	0.02	0.005	0.053	
Cobalt	10.5	2.6	130	
Copper	622.5	156	7 700	
Lead	2.0	0.5	23	
Manganese	1 200	300	15 000	
Mercury	7.5	1.9	94	
Nickel	75	18.8	930	
Selenium	37.5	9.4	460	
Strontium	4 500	1 125	56 000	
Tin	15 000	3 750	180 000	
Organic tin	0.9	0.2	12	
Zinc	3 750	938	46 000	

\*Effective date for lower aluminium limits: 20 May 2021.

Category I: Compressed paint tablets, materials intended to leave a trace or similar materials in solid form appearing as such in a toy (e.g. the cores of colouring pencils, chalk, crayons); Pliable modelling materials, including modelling clays and plaster.

Category II: Liquid paints, including finger paints, varnishes, lacquers, liquid ink in pens and similar materials in liquid form appearing as such in the toy (e.g. slimes, bubble solution); glue sticks.

Category III: *Coatings* of paints, varnishes, lacquers, printing inks, polymers, foams and similar coatings; polymeric and similar materials, including laminates, whenever textile reinforced or not, but excluding other textiles; paper and paper board; natural or synthetic textiles; glass, ceramic, metallic materials; other materials whether mass coloured or not (e.g. wood, fibre board, hard board, bone and leather).

Zalando strongly encourages all Suppliers and Partners to exceed requirements set in RSL and to promote best practices and continuous improvement.

Zalando commit to provide you with support and guidance in exchange for transparency.

## 1.4 Queries/Questions on Quality Assurance Manual

Specific Queries	Contact
Product Safety	productsafety@zalando.de

### Final Note:

By supplying Zalando you are confirming that you understand and accept our Purchase to Pay Terms which require you to comply with all the product safety and quality guidelines set out in this Manual.

**Thank you in advance for your collaboration!**