

Product specific requirements: 140. Toys Generic incl. Electrical toys

Version: 3.0
Last update: 07.04.2022

Material	Products	Remark
-	Plastic Toys, Soft toys, Wood Toys Metal Toys, Paper Articles, Dolls Balls, Toy guns	-

No	Parameter	Method	Reference	Requirement									
General requirements													
1	General Product Safety	-	2001/95/EEC	Have to fulfil requirements									
2	PrSG	-	SR 930.11	Have to fulfil requirements									
3	Toy Safety Directive	-	2009/48/EC	Have to fulfil requirements "Products designed or intended, whether or not exclusively, for use in play by children under 14 years of age" Please see guidance documents on classification from the EU Commission webpage: http://ec.europa.eu/growth/sectors/toys/safety/guidance/									
4	Switzerland Toys Directive	-	SR 817.023.11	Have to fulfil requirements									
5	REACH Directive SVHC Candidate list Annex XIV Annex XVII	-	EC 1907/2006	Have to fulfil requirements <i>Candidate list - Substances of Very High Concern, SVHC</i> https://www.echa.europa.eu/web/guest/candidate-list-table									
6	EU frame legislation for articles with food contact	-	1935/2004/EC	Toys also intended for contact with food shall meet the requirements for articles with food contact.									
7	Cosmetic Products Regulation	-	1223/2009/EC	Toys classified as cosmetics shall also show full compliance with regulation 1223/2009. Note requirements for PI file and registration Examples of cosmetic toys: - Children's make up - Halloween face paint - Tattoo stickers - Soap-chalks									
8	Timber Regulation	-	995/2010/EU	Full compliance with regulation									
9	EU Food Imitation Directive	-	87/357/EEG	All products must comply with the demands of EU Food imitation directive 87/357/EEG concerning that Non-food products shall not be easily confused with foodstuffs by their appearance, smell or packaging.									
10	Physical and Mechanical hazards	EN 71-1	2009/48/EC	Shall comply with physical, mechanical, abuse and labeling requirements.									
11	Flammability hazards	EN 71-2	2009/48/EC SR 817.023.11	Shall comply with flammability requirements.									
12	Safety of children's clothing	EN 14682	2009/48/EC	Have to fulfil requirements									
13	*Experimental sets for chemistry and related activities	EN 71-4: 2013	2009/48/EC	Have to fulfil requirements									
14	*Chemical toys (sets) other than experimental sets	EN 71-5	2009/48/EC	Have to fulfil requirements									
15	*Finger paints	EN 71-7	2009/48/EC	Have to fulfil requirements									
Chemical requirements to the main material				Materials									
				Plastic Toys	Soft Toys	Wood Toys	Metal Toys	Paper Articles	Dolls	Balls	Toy guns	Toy guns	Requirement
16	Migration of Certain Elements	EN 71-3:2019 + A1:2021	Toy Safety Directive 2009/48/EC SR 817.023.11	X	X	X	X	X	X	X	X	X	
17	N-nitrosamines and N-nitrosatable substances	EN 71-12	Toy Safety Directive 2009/48/EC SR 817.023.11	X						X	X		Applicable to: 1) toys and parts of toys made from elastomers an intended for use by children under 36 months 2) toys and parts of toys made from elastomers and intended to be placed in the mouth 3) finger paints for children under 36 months

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18	Phthalates	EN ISO 14389:2014 EN ISO 18856:2005 CPSC-CH-C1001.09.4 ISO 8124-6	REACH annex XVII SR 817.023.11	X	X					X	X	X	X	Applicable to toys or childcare articles
19	Cadmium Content	Polymeric Materials: EN 1122 Method B Metal Parts: Acid digestion / AAS	REACH annex XVII SR 817.023.11	X	X					X	X	X	X	(Applicable to Plastic, Paint on painted articles, Paint, Paint with zinc content exceeding 10% by weight of paint and Metal parts of Jewelry)
20	Lead Content	Acid digestion / AAS or ICP	REACH annex XVII SR 817.023.11	X										Applicable to jewelry including imitation jewelry Exemption — Crystal — Internal components of watch timepieces (inaccessible) — Non-synthetic or reconstructed precious and semi-precious stones (CN Code 7103) — Enamels — Jewellery placed on market for first time before 9 October 2013 — Jewellery manufactured before 10 December 1961
21	Lead content in consumer product except jewellery	Total Acid digestion / ICP or AAS Migration Coated item EN 12472 and ASTM D 5517 with artificial saliva Non-coated item ASTM D 5517 with artificial saliva	REACH annex XVII SR 817.023.11	X	X	X	X	X	X	X	X	X	X	(Suggest materials to test are plastics, paints & coatings, surface treated textile, metal, glass and ceramic) Applicable to articles or accessible parts of articles for general public if such articles or components may be placed in the mouth by children Exemption — Articles placed on the market for the first time before 1 June 2016 — Crystal glass as defined in Annex I (categories 1, 2, 3 and 4) to Directive 69/493/EEC — Non-synthetic or reconstructed precious and semi-precious stones (CN Code 7103) — Enamels — Keys and locks, including padlocks — Musical instruments — Articles and parts of articles comprising brass alloys, if the concentration of lead (expressed as metal) in the brass alloy does not exceed 0.5 % by weight — Tips of writing instruments — Religious articles — Portable zinc-carbon batteries and button cell batteries — Packaging materials
22	Azo Dyes	Textiles EN ISO 14362-1/-3: 2017 Leather EN ISO 17234-1: 2015 / EN ISO 17234-2:2011	REACH annex XVII SR 817.023.41						X	X				
23	Benzene, Toluene content	Solvent Extraction / GC-MS	REACH annex XVII SR 817.023.11	X	X	X	X	X	X	X	X	X	X	Applicable to toys or part of toys Suggest material to test are -glue and adhesive, -ink in felt tip pen, -paste of balloon making set, -dried glue on toys.
24	*Organotin (expressed as tin)	Solvent Extraction / GC-MS	SR 817.023.41 SR 814.81; REACH Annex XVII	X	X					X	X	X	X	(Suggested materials to test are plastic, fabric, paper, paint, coating) Tri-substituted Organostannic Compounds Scope: Article or Part of an article Dibutyltin (DBT) (except food contact materials) Di-octyltin (DOT) Scope: 1. Textile articles intended to come into contact with the skin 2. Gloves 3. Footwear or part of footwear intended to come into contact with the skin 4. Childcare articles

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25	Polycyclic Aromatic Hydrocarbons (PAHs) – 8 PAHs	AIFS GS 2019:01 PAK	REACH Annex XVII SR 814.81	X					X	X	X	X	X	0,5 mg/kg
26	Chromium (VI) content Applicable to Leather	ISO 17075-2: 2017 with ageing	REACH Annex XVII SR 814.81		X					X				
27	Migration of Bisphenol A (BPA)	With reference to EN71-10 & EN71-11	Toy Safety Directive 2009/48/EC SR 817.023.11	X						X	X			Applicable to toy for children under 3 or other toys intended to be placed in the mouth
28	Flame retardants (TCEP, TCPP and TDCPP content)	Solvent extraction / GC	Toy Safety Directive 2009/48/EC SR 817.023.11	X	X	X				X	X			Applicable to toy for children under 3 or other toys intended to be placed in the mouth
29	Phenol	With reference to EN71-10 & EN71-11	Directive (EU) 2017/774 (amendment of Directive 2009/48/EC Annex II Appendix C) SR 817.023.11	X	X					X	X	X	X	Applicable to toy for children under 3 or other toys intended to be placed in the mouth Suggest materials to test are plastics, polymeric coating and aqueous toy materials
30	Formamide	Formamide content : Solvent extraction / GC-MS Formamide emission : ISO 16000-6 and ISO 16000-9	Directive (EU) 2015/2115 (amendment of Directive 2009/48/EC Annex II Appendix C) SR 817.023.11	X	X					X	X	X	X	Applicable to toy for children under 3 or other toys intended to be placed in the mouth Suggest materials to test are foams
31	Formaldehyde (content, migration, emission)	Polymer: EN 71-10, -11 Textile: ISO 14184-1 Leather: ISO 17726 Paper: EN 645 & EN 1541 Wood: EN 717-1 Water-based: EQDM	(Amendments of Directive 2009/48/EC Annex II Appendix C) Directive (EU) 2019/1929 SR 817.023.11	X	X	X			X	X	X	X	X	Applicable to toy for children under 3 or other toys intended to be placed in the mouth Suggest materials to test are plastics, paints & coatings, textile, leather, wood, paper, inks, glue and adhesive and aqueous toy material (e.g. bubble solution)
32	Preservatives - BIT, CMI and MI (3:1), CMI, MI content	With reference to EN71-10 & EN71-11	(Amendments of Directive 2009/48/EC Annex II Appendix C) Directive (EU) 2015/2116 & Directive (EU) 2015/2117 SR 817.023.11	X							X		X	Applicable to toy for children under 3 or other toys intended to be placed in the mouth Suggest materials to test are aqueous toy materials
33	Short Chain Chlorinated Paraffin (SCCP) Content	GC-MS analysis	Regulation 2019/1021 SR 814.81	X						X	X	X	X	SCCPs CH limit: < 1000 mg/kg Manor (Oekotex): 100 mg/kg
34	* Dimethyl Fumarate (DMF) Suggest materials to test are textiles, leather, sponge foam, desiccants, wood	GC-MS	REACH Annex XVII SR 814.81		X	X				X		X	X	
35	*Lead, cadmium, mercury and chromium (VI) Applicable to packaging materials	In-House Method	SR 814.81(ChemRRV) 94/62/EC	X	X	X	X	X	X	X	X	X	X	Toy packaging
36	Volatile Organic Compounds VOC / Odour test	EN 71-9/-10/-11 ISO 16000-6	SR 817.023.21 EU ResAP (2004)5	X	X	X			X	X	X			
37	Formaldehyde	Textile, Leather ISO 14184-1 ISO 17226 Note requirements for sampling in standard. Wood, Wood based panels, Adhesives EN 717-1:2004 EN ISO 12460-3 Paper EN 645 EN 1541 Preservative EN 71-9 EN 71-7 Monomer EN 71-9	REACH Annex XVII		X	X	X	X	X	X	X			

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38	Wood preservatives incl. PCP	GC-MS	2019/1021 SR 814.81	X
39	DimethylPhthalates	GC-MS	EC 1907 / 2007 SR 814.81	X X X X X X X X X X X X X
Labelling				
40	Instructions and/or safety information and/or warnings	EN 71 CEN/TR 15071:2014	Toy Safety Directive 94/62/EC	The manufacturer of a toy shall ensure that the toy is accompanied by instructions and/or safety information and/or warnings in each country's language where the toys will be sold to consumers. See translations of warnings and instructions from the EN 71 series in the technical report CEN/TR 15071:2014 See also: http://ec.europa.eu/DocsRoom/documents/6783/attachments/1/translations/en/renditions/native
41	Name, registered trade name or registered trade mark and the address	-	Toy Safety Directive 94/62/EC	Manufacturer (or an appointed authorised representative) and importer shall indicate their name, registered trade name or registered trade mark and the address at which they can be contacted on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. The address must indicate a single point at which the manufacturer/importer can be contacted. A web address is not enough.
42	Type, batch or serial or model number	-	Toy Safety Directive 94/62/EC	The manufacturer shall mark the toy with a type, batch or serial or model number so they can be tracked.
43	Warnings	-	Toy Safety Directive 94/62/EC	Accurate, visible, clearly legible and easy to read, warnings shall be visible at the point of sale. See 2009/48/EC Annex V Misleading use of warning "not suitable for children less than 3 years" is prohibited. Toys shall not bear one or more of the specific warnings set out in part B of Annex V in EU Toy Safety Directive 2009/48/EC where that warning conflicts with the intended use of the toy, as determined by virtue of its function, dimension and characteristics. An example of this type of toy is a soft filled toy like a teddy bear.
44	CE-mark	-	Toy Safety Directive 2009/48/EC	The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. The CE marking shall be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. If not stated differently, the minimum height of the CE mark shall be 5 mm.
45	Cleaning / washing instructions	-	Toy Safety Directive 2009/48/EC	Applicable for toys for children under 36 months.
* Electrical Toys requirements				
46	Electrical safety for toys	EN 62115	Toy Safety Directive 2009/48/EC SR 817.023.11	Have to fulfil requirements
47	EMC	EN 55014	EMC Directive 2014/30/EU SR 817.023.11	Have to fulfil requirements
48	RED	1) For toys using the frequency 13.56MHz EN 300 300-2/EN 301 489-3 EN 62479 2) For toys using the frequencies 27/40/49MHz EN 301 489-3/EN 300 220-2 EN 62479 3) For toys using the frequency 2.4GHz, less than 10mW EN 300 440-2/EN 301 489-3 EN 62479	RED Directive 2014/53/EU SR 817.023.11	Have to fulfil requirements
49	*Classification for LED and Laser	-	EN 62115 / IEC 60825-1	Toys shall not emit harmful radiation. Lasers and light-emitting diodes in toys shall meet the requirements for Class 1 lasers in accordance with IEC 60825-1.
50	ROHS	-	ROHS2 Directive 2011/65/EU SR 814.81	Have to fulfil requirements
51	WEEE	-	WEEE Directive 2012/19/EU SR 814.600	Have to fulfil requirements
52	Battery Directive	-	Battery Directive 2006/66/EC	Have to fulfil requirements