

## 1 Requirements

The basic principles and corresponding test requirements are listed below.

Depending on the type of toy, compliance with the corresponding requirements must be verified:

### 1.1 General information:

Test criterion	Limit values	Remark
<b>Law concerning the marketing of products</b> (Product Safety Act – ProdSG)		For requirements possibly not covered by the existing EU requirements  <u>Requirement for:</u> - Instruction manual - GS certification mark
<b>Applicable EC directives:</b> Directive 2009/48/EC Annex II as well as its modification, Regulation no. 681/2013, Directive 2012/7/EU, Directive 2014/79/EU, Directive 2014/81/EU, Directive 2014/84/EU		Test according to the applicable, especially the harmonised safety standards and applicable non-harmonised standards and draft standards
<b>Applicable safety norms</b> For ex.: Series of standards EN 71, EN 62115, ...		<u>Requirement for:</u> - Product, instruction manual - Marking/labelling
<b>Applicable laws, regulations</b> (for ex.: 2nd GPSGV regulation concerning the safety of toys, LFGB, consumer goods regulation, Regulation (EC) no. 1907/2006 – REACH, Chemicals Prohibition Ordinance, etc.)		<u>Requirement for:</u> - Product - Marking
<b>EMC</b> EMC Directive 2014/30/EU "Electromagnetic Compatibility"		<u>Requirement for:</u> - Product
<b>EN 62 115</b>		For electronic toys
<b>XXI. Recommendation of the Federal Institute for Risk Assessment</b>		Consumer goods based on natural and synthetic rubber (for ex.: balloons)
<b>XLVII. Recommendation of the Federal Institute for Risk Assessment</b>		Toy made from plastics and other polymers such as paper, carton and cardboard
<b>EU Directive 2006/66/EC</b> "Batteries and accumulators"		For batteries
<b>Directive 2011/65/EU RoHS</b>		- For electric or electronic toys - For electric or electronic products
<b>REGULATION (EC) No 850/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC</b>		- All materials
<b>Decisions list of the EK 2 (experience exchange group) and AK 2.2 (working group) "Toy" and the NB Toys group</b>		If applicable
<b>Performance characteristics</b> Manufactured goods Manipulation Functionality (product characteristics guaranteed by the manufacturer)	<u>Evaluation:</u> at least satisfactory	Only applicable with certification mark "LGA tested quality"  <u>Requirement for:</u> - Product

Test criterion	Limit values	Remark
REACH – Regulation No 1907/2006, SVHCs according to Annex XIV Current candidate list at the given time		Information concerning the use of SVHCs according to the REACH Regulation no. 1907/2006, provided that such substances are not included in the product or packaging material over the limit value of 0.1%. (see point 4)
ISO 11540	ISO 11540	Caps for writing and marking instruments intended for use by children up to 14 years of age

## 1.2 Requirements according to EN 71:

Test criterion	Limit values	Remark
Law concerning the marketing of products (Product Safety Act – ProdSG)		For requirements possibly not covered by the existing EU requirements  <u>Requirement for:</u> - Instruction manual - GS certification mark
<b>Applicable EC directives:</b> Directive 2009/48/EC Annex II as well as its modification, Regulation no. 681/2013, Directive 2012/7/EU, Directive 2014/79/EU, Directive 2014/81/EU, Directive 2014/84/EU		Test according to the applicable, especially the harmonised safety standards and applicable non-harmonised standards and draft standards
<b>Applicable safety norms</b> For ex.: Series of standards EN 71, EN 62115, ...		<u>Requirement for:</u> - Product, instruction manual - Marking/labelling
<b>Applicable laws, regulations</b> (for ex.: 2nd GPSGV regulation concerning the safety of toys, LFGB, consumer goods regulation, Regulation (EC) no. 1907/2006 – REACH, Chemicals Prohibition Ordinance, etc.)		<u>Requirement for:</u> - Product - Marking
<b>EMC</b> EMC Directive 2014/30/EU "Electromagnetic Compatibility"		<u>Requirement for:</u> - Product
<b>EN 62 115</b>		For electronic toys
<b>XXI. Recommendation of the Federal Institute for Risk Assessment</b>		Consumer goods based on natural and synthetic rubber (for ex.: balloons)
<b>XLVII. Recommendation of the Federal Institute for Risk Assessment</b>		Toy made from plastics and other polymers such as paper, carton and cardboard
<b>EU Directive 2006/66/EC</b> "Batteries and accumulators"		For batteries
<b>Directive 2011/65/EU RoHS</b>		- For electric or electronic toys - For electric or electronic products
<b>REGULATION (EC) No 850/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC</b>		- All materials
<b>Decisions list of the EK 2 (experience exchange group) and AK 2.2 (working group) "Toy" and the NB Toys group</b>		If applicable

Test criterion	Limit values	Remark
<b>Performance characteristics</b> Manufactured goods Manipulation Functionality (product characteristics guaranteed by the manufacturer)	<u>Evaluation:</u> at least satisfactory	Only applicable with certification mark "LGA tested quality"  <u>Requirement for:</u> - Product
<b>REACH – Regulation No 1907/2006, SVHCs</b> according to Annex XIV Current candidate list at the given time		Information concerning the use of SVHCs according to the REACH Regulation no. 1907/2006, provided that such substances are not included in the product or packaging material over the limit value of 0.1%. (see point 4)
<b>ISO 11540</b>	ISO 11540	Caps for writing and marking instruments intended for use by children up to 14 years of age

**1.3 Additional chemical and microbiological requirements:**

Parameters	Current application of the test parameter	Limit value		GS mark relevant	
		Toy < 36 months	Toy ≥ 36 months		
<b>Azo dyes</b> cannot be used when a reduction would cause to build one of 22 carcinogenic amines	Yes for all materials (for ex.: dyes, colours, coatings, textile materials, coloured paper and cardboard)  Not for plastics, ceramics, metals, glass or white/undyed textiles  Material minimum quantity <50 mg are not taken into consideration for coatings (according to the PAH regulation)	x	x  Only for leather, textiles and dyed, accessible mixtures  Definition of mixture: For ex. Pencil leads, inks, modelling clay, wax crayons, chalk, paints	≤ 30 mg/kg pro amine	Yes  Only for leather, textiles, dyed, accessible mixtures and for children < 36 months for coatings, coloured paper and cardboard
<b>Aniline</b> cannot be used as a primary amine nor as an azo dye (if aniline is produced by reduction)	Yes for all materials (for e.g.: dyes, colours, coatings, textile materials, coloured paper and cardboard)  Not for plastics, ceramic, metals, glass or white/undyed textiles  Material minimum quantity <50 mg are not taken into consideration for coatings (according to the PAH regulation)	x	x  Only for leather, textiles and dyed, accessible mixtures  Definition of mixture: for ex. Pencil leads, inks, modelling clay, wax crayons, chalk, paints		Yes  Only for leather, textiles, dyed, accessible mixtures and for children < 36 months for coatings, coloured paper and cardboard

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
<b>Allergenic dispersion paints (tested according to ÖkoTex Standard 100) in addition Disperse Yellow 23 and Disperse Orange 149</b> Please note: EN 71-9 is also relevant	Textile materials and leather with prolonged skin contact  Not for plastics, ceramic metals, glass or white/undyed textiles, leather and coloured paper	x	x	≤ 75mg/kg (≤ 5 mg/l) per colouring agent	Yes
<b>Carcinogenic colouring agents (test according to the ÖkoTex Standard 100) and rhodamine B</b> Please note: EN 71-9 is also relevant		x	x	≤ 75mg/kg (≤ 5 mg/l) per colouring agent	Yes
<b>Arnold's base, aka Michler's base</b> <b>Ketone</b>	Coloured mixtures (for ex.: inks, paints), especially blue and purple shades	x	x	≤ 75mg/kg	Yes
<b>Benzene</b>	Mixtures (for e.g.: inks, paints, plastics (especially PU, PS), glues	x	x	5mg/kg	Yes
<b>Bisphenol A</b>	For e.g. polycarbonate, coatings and varnishes containing epoxy resin	x		0.1 mg/l	Yes  According to Directive 2014/81/E binding as of 21 December 2015
<b>Lead content</b>	Paints, coatings, plastics, metals and alloys (if accessible, removable or ingestible)	x	x	≤ 90mg/kg	No  Only in compliance with the migration values EN 71-3, but under consideration of the German implementation of RL (2nd GPSGV) Limit value for jewels and pieces of jewellery: < 0.05%

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
<b>Cadmium content</b>	Plastics, varnishes, paints, inks, colours coatings, coatings (for ex.: coated paper or coated textiles) metals (jewels and pieces of jewellery only)	x	x	< 100 mg/kg	Yes  Varnish and paints (liquid): < 100 mg/kg zinc content (> 10 weight %) Paints: < 1000 mg/kg Scraped-off colour coatings: < 1000 mg/kg Plastics: <100 mg/kg Jewels and pieces of jewellery: < 0.01%
<b>Chlorinated paraffins, short Chain (chloralkanes C10 - C13)</b>	Leather and leather articles; PVC and other soft synthetic materials	x	x	≤ 0.1%	Yes  Prohibition of use according to Regulation (EC) No 850/2004
<b>Chromium VI content</b>	Leather and leather items	x	x	≤ 3.0 mg/kg	Yes
<b>Dimethylfumarate</b>	Leather, leather products, dry packs	x	x	≤ 0.1 mg/kg	Yes
<b>Emission of organic volatile Compounds (including formamide according to draft modification of RL 2009/48/EC)</b>	Toy for indoor use (two- dimensional, > 0.5 m2 For ex.: Puzzle mats, carpets to play on see Appendix 1	x	x	see Appendix 1	Yes  Formamid only after conversion to the test method according to the draft for modification RL
<b>Formamide, dimethylformamide</b>	Accessible foamed plastic, except PS	x	x	≤ 30 mg/kg	Yes  Limit value: 200 mg/kg for toys or toy parts with a <b>non-conform</b> skin contact, an additional VOC provision can be carried out for the evaluation.

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
Dimethylformamide	Synthetic leather	x	x	≤ 30 mg/kg	Yes  Limit value: 200 mg/kg for toys or toy parts with a <b>non-conform</b> skin contact, an additional VOC provision can be carried out for the evaluation.
Flame retardants PBBs, PBDEs, TRIS	All materials for which flame retardants might be relevant, such as: Textiles	x	x	Not used (< 100 mg/kg)	Yes
Flame retardants: Hexabromocyclo decane	Foamed styrene	x	x	< 0.1 %	Yes
Flame retardants Tris(2-chlorethyl)phosphate: TCEP, CAS: 115-96-8 Tris(2-chlorisopropyl)phosphate TCPP, CAS: 13674-84-5 Tris(1,3-dichlorisopropyl)phosphate TDCP, CAS: 13674-87-8	Textiles (used on all textile material, regardless of accessibility) foamed plastics (used on all foamed materials, regardless of accessibility)	x	x	< 5 mg/kg	Yes
Formaldehyde	Substances: Wood materials (no testing of solid wood), textiles, leather, paper and cardboard (Definition, see EN 71 -1) But not for toys glued on large surfaces, see formaldehyde emission	x	x	Wooden materials: Flask method: ≤ 110 mg/kg Test according to DIN EN 717-1 Test chamber ≤ 0.1 ppm (Chemicals Prohibition Ordinance)  Textiles and leather: ≤ 16 mg/kg (toys for children < 36 months) ≤ 75 mg/kg (items for children ≥ 36 months)  Paper and cardboard: ≤ 30 mg/kg	Yes

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
<b>Formaldehyde emission (toy glued on a large surface)</b>	Toy for indoor use entire surface > 0.5 m <sup>2</sup> For e.g.: Toy kitchens, groceries stores, table football, blackboard and others Substances: Wood materials (MDF, glued laminated timber) (no test of solid wood)	x	x	≤ 0.1 ppm (Chemicals Prohibition Ordinance)	Yes
<b>GC overview analysis</b>	Mixtures (for ex.: inks, paints, ...)	x	x	Depending on the detected substances (for ex.: Benzene ≤ 5 mg/kg)	Yes
<b>Odour</b>	Entire product: Appendix 1	x	x	Depending on the detected substances (for ex.: Benzene ≤ 5 mg/kg)	Yes  but only if according to Appendix 1 odour > level 3 then the cause must be identified, for ex.: By means of a VOC measurement and evaluation
<b>Preservatives</b>	Liquid mixtures indication: EN 71 Part 9 must also be observed for children > 36 months	x	x	Phenol: < 5 mg/kg CIT/ MIT 3:1: < 15 mg/kg MIT: < 100 mg/kg BIT: < 5 mg/kg OIT: < 5 mg/kg	Yes

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
<b>Microbiological test</b>	Paintbrush with natural bristles. Playing sand, aqueous mixtures (for e.g.: Soap bubble liquid, inks, finger paints)	x	x	<b>Paintbrush with natural bristles:</b> Total bacteria count < 10 <sup>6</sup> CFU/g faecal and hygienic indicators < 10 <sup>2</sup> CFU/g <b>Playing sand:</b> Total bacteria count < 10 <sup>6</sup> CFU/g, mould < 10 <sup>2</sup> CFU/g faecal and hygienic indicators, salmonella sp., < 10 <sup>2</sup> CFU/g <b>Aqueous mixtures:</b> Limit values according to "EC type approval protocol No. 2: Microbiological safety of toys containing aqueous media"	Yes
<b>Monomers vinylchloride (content)</b>	PVC	x	x	≤ 1 mg/kg	Yes
<b>Nickel release</b>	Metallic surfaces with prolonged skin contact.  Definition prolonged skin contact according to ECHA from 02/04/2014: a. Skin contact at least three times for 10 minutes within 2 weeks or b. Skin contact once for 30 minutes within 2 weeks	x	x	≤ 0.5 µg/cm <sup>2</sup> /week	Yes
<b>Nitrosamine and nitrosatable substances</b>	EN 71 - 12 Toy and toy parts made from elastomer, natural or synthetic rubber that can be put into children's mouths	x	x (Materials that are meant to be put in the mouth)	Total: Nitrosamine: 0.01 mg/kg Total nitrosatable substances: 0.1 mg/kg	Yes



Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
<b>Nonylphenol, octylphenol and nonylphenoethoxylate, octylphenoethoxylate</b>	All textiles (accessible and non-accessible)	x	x	< 0.01%	Relevant according to implementation of the relevant regulation in REACH
<b>PAH</b>	AfPS GS 2014:01 PAH	x	x	AfPS GS 2014:01 PAH	Yes PAH leaflet and material matrix according to EK2/AK 2.2
<b>PCP, TCP, TriCP</b>	Natural materials (wood, ...), paper, brush hairs, bristles, leather	x	x	≤ 0.5 mg/kg for PCP, TCP, TriCP	Yes ≤ 5.0 mg/kg for PCP
<b>Phthalates (including toxic for reproduction according to REACH regulation 1907/2006)</b>	Plastics, colour coatings and varnishes, mixtures and coatings on textiles	x	x	≤ 0.1% for the sum of DEHP, DBP BBP for a toy that can be put into the mouth: ≤ 0.1% for the sum of DINP, DIDP, DNOP, DPHP (Di-2-propylheptylphthalate) ≤ 0.1% Phthalate, that are listed as SVHCs or as CMR substances are each: ≤ 0.1%	Yes
<b>Plasticiser screening</b>	Synthetic materials, plastic-coated materials	x Materials that can be put into the mouth	x Materials that are meant to be put in the mouth, such as: Mouth pieces	See XLVII. Recommendation of the BfR (German Federal Institute for Risk Assessment, use of plasticisers that can be used as materials for consumer goods with food contact only)  Only values ≥ 0.1% are taken into consideration.	Yes

Parameters	Current application of the test parameter			Limit value	GS mark relevant
		Toy < 36 months	Toy ≥ 36 months		
RoHS lead, cadmium, chromium VI, mercury, polybrominated biphenyl (PBB), polybrominated diphenyl ether (PBDE)	Electrical and electronic devices	x	x	≤ 0.1 % Lead, mercury, chromium VI ≤ 0.01 % Cadmium ≤ 0.1 % PBB, PBDE	Yes
Colour fastness of consumer goods (saliva and sweat resistance)	All accessible materials	x	x Materials that are meant to be put in the mouth	Grade 5	Yes
Specific migrations according to LFGB	Plastics for children < 36 months, that are meant to be put in the mouth	x		Compliance with the specific migration limit values for materials with food contact	Yes
Heavy metals according to the EU Directive 2006/66/EC "Batteries and accumulators" lead, cadmium, mercury	Batteries	x	x	According to EU Directive No 2006/66/EC: ≤ 0.004 % lead ≤ 0.002 % cadmium ≤ 0.0005% mercury	Yes
Organostannic compounds	According to EN 71-1 accessible textiles, plastics and colour coatings not in minimum quantity < 10 mg (Note: Finger paints, modelling clay, paper and cardboard must be tested according to Directive EN 71 Part 3)	x	x Only surfaces under > 10 cm <sup>2</sup> are tested  Partial surfaces < 10 cm <sup>2</sup> (for ex. imprints) are tested with the base material	≤ 1.0 mg/kg methyltin dimethyltin butyltin (MBT) dibutyltin (DBT) tetrabutyltin (TTBT) Di-n-propyltin octyltin (MOT) dioctyltin (DOT) tricyclohexyltin diphenyltin triphenyltin ≤ 0.5 mg/kg tributyltin (TBT)	No

Appendix 1:

2.1 Odour test

Examination parameter	Certificate requirements	Evaluation basis
Odour test/odour emission	≤ level 3 (noticeable, not bothering)	Evaluation according to a 5-point scale in compliance with the RAL-GZ 430: 1 = no odour 2 = faint odour 3 = noticeable, non-bothering odour 4 = bothering odour 5 = unbearable odour - in the test chamber - concerning products containing small parts: Test according to SNV 195651v

2.2 Emissions test

Emission of volatile organic compounds from large toys for indoor use (two-dimensional, > 0.5 m<sup>2</sup>)

<b>Test method</b>	The test chamber examination is carried out according to DIN EN ISO 16000-9: Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method (ISO 16000-9:2006); German version EN ISO 16000-9:2008.	
<b>Test chamber conditions</b>	Test chamber size	1 - 3 m <sup>3</sup>
	Airflow rate	1m <sup>3</sup> /m <sup>2</sup> ·h
	Relative humidity	50 % ± 5 %
	Temperature	23 °C ± 2 °C

Examination parameter	Certificate requirements Test chamber concentrations	Evaluation basis
<b>CMR substances<sup>2</sup> after 24 hours</b>		
Category 1 carcinogens (Carc. 1A) (total)	< 1 µg/m <sup>3</sup>	TRLP reference values, chapter 30 LFGB
Category 1B carcinogens (Carc.1B) and category 1B mutagens (Muta. 1B) (total) as well as substances that are toxic for reproduction of category 1A (Repr. 1A) and 1B (Repr. 1B) (total)	≤ 20 µg/m <sup>3</sup>	
Carcinogens, mutagens and reprotoxic substances of category 2 <sup>3</sup> (total)	≤ 30 µg/m <sup>3</sup>	
<b>CMR substances<sup>2</sup> after max. 7 days</b>		
Category 1A carcinogens (Carc. 1A) (substance)	< 1 µg/m <sup>3</sup>	TRLP reference values, chapter 30 LFGB
Category 1B carcinogens (Carc. 1B) and category 1B mutagens (Muta. 1B) (total) as well as substances that are toxic for reproduction of category 1A (Repr. 1A) and 1B (Repr. 1B) (total)	≤ 2 µg/m <sup>3</sup>	
Carcinogens, mutagens and reprotoxic substances of category 2 <sup>3</sup> (total)	≤ 5 µg/m <sup>3</sup>	

Examination parameter	Certificate requirements Test chamber concentrations	Evaluation basis
<b>Volatile organic compounds (VOC) after max. 7 days</b>		
Substances that do not have a LCI value <sup>3</sup> and are categorized according to category 1, 2 and 3 (acute toxicity 1, 2, 3), or specific target organ toxicity according to category 1 (STOT one-time exposition 1, STOT repeated exposition 1) <sup>4</sup> (total)	≤ 10 µg/m <sup>3</sup>	TRLP reference values, chapter 30 LFGB
Substances, that are classified as sensitizing in Annex VI of Regulation (EC) No 1272/2008 (GHS) as inhalation allergens (category 1) and skin allergens (category 1) or according to TRGS 907 or MAK and BAT value lists <sup>5</sup>	≤ 10 µg/m <sup>3</sup>	
Total of volatile organic compounds in chapter 30 LFGB retention area C <sub>6</sub> - C <sub>16</sub> (TVOC) <sup>6</sup>	≤ 600 µg/m <sup>3</sup>	
Total of volatile organic compounds in the retention area > C <sub>16</sub> - C <sub>22</sub> (TSVOC) <sup>7</sup>	≤ 60 µg/m <sup>3</sup>	
<b>R value<sup>8</sup></b>	≤ 1	

Footnotes:

- 1) VOC = volatile organic compounds
- 2) CMR = carcinogen (C), mutagen (M), toxic for reproduction (R) according to EU classification in compliance with Annex VI of Regulation (EC) No 1272/2008 (GHS) as well as national classification in accordance with TRGS 905 or MAK and BAT value lists of the GRF (category 1 and 2 and 3)
- 3) The sum of category 2 CMR substances - category 3 respectively, according to national classification - is only included within the validity period of this test specification as an indicative manufacturer's information and does not provide a complete evaluation criterion. The requirement will be implemented as a criterion to follow during the update of this test specification.
- 4) Substances that are classified as acutely toxic and specific target organ toxic in the Annex VI or the Regulation (EC) No 1272/2008 (GHS) or as very toxic (T+) and toxic (T) according to chapter 4 points 6 and 7 of the German Hazardous Substances Ordinance. Except for CMR substances listed under index 2 as well as substances listed individually, since these are already restricted. Substances with a LCI value are evaluated according to their R value.
- 5) Except for substances listed individually under indexes 2 and 4, since these are already restricted.
- 6) TVOC: Total volatile organic compounds
- 7) TSVOC: Total semi volatile organic compounds
- 8) R value = Total of all Ri values ( $R = \sum C_i / LCI$ , lowest concentration of interest). The R value is based on a model room view and is used here as an orienting evaluation of test chamber concentrations. Any exceeding leads to a devaluation.

## Appendix 2:

Remark:

- The determination of limit values was carried out according to Directive 2009/48/EC or EN 71 – 3 except for:
- Antimony, arsenic, mercury in category III. The current values were taken from EN 71-3:2002, according to the special regulation that is still valid in Germany.
  - Lead: The currently known limit values (as of 12/2004) are used with regard to the expected modification of Directive 2009/48/EC.

### 3.1 Odour test

Element	Dry, atomised, brittle or smooth toy materials cat. I [mg/kg]	Liquid or adhesive toy materials cat. II [mg/kg]	Scraped-off toy materials cat. III [mg/kg]
Aluminium	5625	1406	70000
Antimony	45	11.3	60 <sup>1)</sup>
Arsenic	3.8	0.9	25 <sup>1)</sup>
Barium	1500	375	18750

Element	Dry, atomised, brittle or smooth toy materials cat. I [mg/kg]	Liquid or adhesive toy materials cat. II [mg/kg]	Scraped-off toy materials cat. III [mg/kg]
Boron	1200	300	15000
Cadmium	1.3	0.3	17
Chromium III	37.5	9.4	460
Chromium VI	0.02	0.005	0.2
Cobalt	10.5	2.6	130
Copper	622.5	156	7700
Lead	2.0 <sup>1)</sup>	0.5 <sup>1)</sup>	23 <sup>1)</sup>
Manganese	1200	300	15000
Mercury	7.5	1.9	60 <sup>1)</sup>
Nickel	75	18.8	930
Selenium	37.5	9.4	460
Strontium	4500	1125	56000
Tin	15000	3750	180000
Organotin compounds	0.9	0.2	12
Zinc	3750	938	46000

Footnotes:

1) These limit values deviate from the RL 2009/48/EC and EN 71 Part 3.

Gütenbach, 22.07.2015

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