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4.2.1 Introduction and definitions

This chapter cover requirements for chemical substances of certain concern as they are hazardous and also sometimes regulated. These chemical substances are restricted in products and packaging as delivered to Kid/Hemtex.

Please note also Appendix 4.1 "PSR Quality regarding" restricted substances for Food-safe products, EE products and paper products.

Definitions

Requirements for substances are given in the form of tables as the examples shows below. Headings of columns are given also as below:

Chemical substance	CAS RN	Limit value (mg/kg)	Test method	Target material(s) / Use

Chemical substance

International recognized name of chemical substance or group of substances

CAS RN, Chemical Abstract Services Registration Number

CAS RN are given for specific defined chemical substances. Note that some requirements are given for a group or category for substances, were no single CAS RN may be given.

The CAS number included may be for the anhydrous form only, and therefore the CAS No shown does not always describe the entry accurately. See http://echa.europa.eu/

Limit value

A. Total content

Requirements for chemical substances are given as limit values, as measured and calculated in mg/kg from the weight of tested material or component, if not stated differently. Composite testing may be used only if approved by Kid/Hemtex, for complex articles were limit values and analytical method allow.

Limits may be relating to legal limits, or as agreed in business sector. Requirements are given with digits and/or less than digits also taking into account the possible unintended contamination of materials

B. Migration limit/Extractable limit

For some requirements due to legal reasons, the limit value is given as maximum acceptable migration or extraction of a substance, as tested by the standard. This is the case for food contact materials and toys, but also for example Nickel in skin contact.

C. In case of conflict with eco label criteria; If the Kid/Hemtex requirement is stricter, the Kid/Hemtex requirement shall supersede the eco label criteria.

Test Method

Test method is given by one of the following

- A. International ISO or CEN standardized test method if such exists. Note that the latest edition of every standard shall be used.
- B. Test equipment if no standardized test method exists
- C. No information given, please check available test method with lab.

Target material(s) / Use

The target material(s) is defined as the type of material(s) where the chemical substance is most likely to be found. Note that this information is only given as guidance. The requirements are valid for all materials. When known, the most relevant use is given for information.



Test equipment abbreviations

GC= Gas chromatography: analyses of organic compounds

Detectors used together with GC:
MS: Mass selective detector: GC-MS
DAD: Diode array detector: GC-DAD
ECD: Electron capture detector: GC-ECD

LC= Liquid chromatography: analyses of organic compounds

HPLC= High Performance Liquid Chromatography.

Detectors used together with LC:
MS: Mass selective detector: LC.MS
DAD: Diode array detector: LC-DAD
ECD: Electron capture detector: LC-ECD

UV/VIS: Ultraviolet/visible spectrophotometric detector: LC-UV/VIS

ICP= Inductively Coupled Plasma Spectrometry: analyses of metals

Detectors together with ICP:

OES: Optical emission spectrometer: ICP-OES

MS: Mass selective detector: ICP-MS Atomic absorption spectrophotometer: AAS

XR= X-ray fluorescence: screening analyses of elements

Guidance on relationship between units

1000	mg/kg	equals	1000	ppm	(parts per million)
			1 000 000	μg/kg	(microgram per kilogram)
			0.1	%	(by weight)
			X	μg/m2	x depends on the thickness of the fabric (kg/m2)
			x	μg/cm2/week	x is a measure of the release of a substance from a surface, and is only partially dependent on the concentration of the substance



4.2.2 General chemical requirements

The supplier is responsible to produce and deliver products and packaging without using and/or having chemical substances that are restricted or prohibited as a result of national or international regulations, or of environmental and/or health concerns. Note that all amendments of all legislation shall be followed. Please note the Kid/Hemtex requirement for substances listed in the REACH candidate list. It is the supplier's responsibility to keep updated with the latest legal requirements at all times.

Legislation, Policy	Kid/Hemtex Requirements.
Battery directive 2006/66/EC	Full compliance with directive. See specific Kid/Hemtex requirements for primary batteries in Appendix 4.1, "PSR Quality" chapter 4.1.10 (Specific requirements for EE-products).
Biocidal Products Regulation (EU) 528/2012	 Full compliance with regulation. Note transitional period for certain provisions. Kid/Hemtex does not accept any if its products having. Antibacterial substances as additives if the active substances remain in the finished product as delivered. Anti mould finishes Biocides used in production, storage or transport shall meet requirements in biocide regulation 528/2012 unless stated as limited in this HPI.
Regulation (EC) 1907/2006 (REACH), Candidate list Substances of Very High Concern, SVHC http://www.echa.europa.eu/web/guest/candidate-list-table	The use in products and packaging of a substance taken into the candidate list shall be phased out within twelve (12) months from the date of publishing the substance in the candidate list. From January 2021, companies will also have to notify products containing SVHCs to ECHA's SCIP database on substances of concern in articles and products. The database aims to ensure transparent information on articles containing hazardous chemicals throughout their whole lifecycle. General limit if not stated differently in this HPI: < 0,1%* w/w each substance *0,1% = 1000 ppm = 1000 mg/kg The following lists cover SVHC with known relevance to products and packaging supplied to Kid/Hemtex. However, the requirement covers the entire candidate list
Regulation (EC) 1907/2006 (REACH), Annex XIV Authorisation substances https://echa.europa.eu/authorisation-list	Products and packaging shall not contain authorisation substances according to Regulation (EC) 1907/2006 (REACH), Annex XIV. General limit if not stated differently in this HPI:
Regulation (EC) 1907/2006 (REACH), Annex XVII Restricted substances https://echa.europa.eu/substances- restricted-under-reach	< 0,1% w/w each substance Restricted substances according to Regulation (EC) 1907/2006 (REACH) may only be used in accordance with the provisions in Annex XVII to the regulation. Note more strict requirements for some substances according to this PSR.
Regulation (EC) 1907/2006 (REACH), Chemical substance	A supplier of products classified as chemical substances or preparations shall fulfil all obligations according to REACH Regulation 1907/2006/EC, either by itself or through a so called "Only Representative" within the EU. A copy of the contract with the "Only Representative" shall be provided to Kid/Hemtex.



Legislation, Policy	Kid/Hemtex Requirements.
	Candles are defined as a combination of an article and a chemical substance/mixture, the wick is the article and the wax is the substance / mixture.
Regulation EC 2019/1021 POPs regulation on Persistent Organic Pollutants	Full compliance with regulation.
Directive 2011/65/EU Restriction of Hazardous Substances	Full compliance with directive. Note that RoHS apply for all parts of an EEE as defined by homogenous material.

	chemical substance/mixture, the wick is the article and the wax is the substance / mixture.
Regulation EC 2019/1021	Full compliance with regulation.
POPs regulation on Persistent Organic Pollutants	
Directive 2011/65/EU	Full compliance with directive. Note that RoHS apply for
Restriction of Hazardous Substances	all parts of an EEE as defined by homogenous material.
in electrical and electronic (EEE) products. RoHS	See also Kid/Hemtex PSR Quality and specific requirement for EE-products.
Regulation 1005/2009/EC	Full compliance with regulation.
Substances that deplete the ozone layer	·
Regulation 1272/2008/EC	Full compliance with CLP must be followed. Sensitizing
CLP, Classification, labelling and packaging	substances should not be used above thresholds for the classification and labelling according to CLP regulation, * * if exception agreed with buyer labelling according to CLP and complete SDS with exact shares is required
Directive 2009/48/EC EU Toy Safety Directive	All toys must comply with the demands of EU Toy Safety Directive 2009/48/EC concerning safety-, chemical- and construction requirements of toys. This includes all chemical requirements listed in the EN 71-X standards serie.
Regulation (EC) No 1223/2009 Regulation on Cosmetic Products	Full compliance with the Regulation on Cosmetic Products, including all annexes.



4.2.3 Specific requirements

These lists below include the 2021-07-08 and 2022-01-17 updates of the REACH candidate list. See previous section for Kid/Hemtex requirements for phase out period. Note that some chemicals are already restricted by Kid/Hemtex before inclusion in the REACH candidate list.

As a general approach, the substances in the REACH candidate list are included in the most relevant section of this PSR. SVHC containing toxic heavy metals are covered by other requirements in this chapter. Please note that several substances may have multiple uses.

Other substances are not listed, but still the same requirements apply to all substances included in the REACH candidate list.

Requirements relating to chemistry but not to specific substances.

Feature	Kid/Hemtex Requirements	Target material(s) / Use
Bleaching	Kid/Hemtex recommends that bleaching of textiles	Textile
	is carried out without use of chlorine and that hydrogen peroxide is used instead.	Paper
рН	Textile:	Textile
	Baby products (0-3 years)*: Between 4,0 and 7,5	ISO 3071
	All other products: Between 4,0 and 8,5	Leather
	Leather: Between 3,5 and 6,0	ISO 4045
Strong smell / odour	Kid/Hemtex do not accept any strong odour	All
_	products. Note test instruction for VOC	

^{* &}quot;Items that might come into contact with children" are products such as bed sheet, bed set, pillow cases, towels and similar products from Kid/Hemtex's assortment.

Chemical requirements concerning EEE product shall not contain the substances in the list of declarable substances in IEC 62474- Material Declaration for Products of and for the Electrotechnical Industry . IEC 62474 database is regularly updated with legally restricted substances relevant for EE products. http://std.iec.ch/iec62474

This list is not exhaustive, substances with legal requirements and/or Kid/Hemtex policy requirements still need to be acknowledged.

When SVHCs listed as exemptions in RoHS are used in EEE products, the supplier shall inform Kid/Hemtex.

4.2.4 Process Chemicals

Process chemicals are used in the manufacturing process but have no function in the finished product. Remains may however be found in the finished product and cause health and environmental problems.

4.2.4.1 Alkylphenol Ethoxylates and Alkylphenols

Requirements based on Water framework directive, REACH Annex XVII, Annex XIV and Candidate list and

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s) / Use
Alkylphenoletoxylates, APEO, such as: - Nonylphenol ethoxylates (NPEO) -Octylphenolethoxylates (OPEO) - Heptylphenol ethoxylates (HpPEO) - Hexylphenol ethoxylates (HxPEO) - Pentaphenol ethoxylates (PePEO)	Several	APEO shall not be used in processes. Verification by testing sum <100 mg/kg in product	Textile: ISO 18254-1 ISO 21084:2019 (AP) Leather: ISO 18218-1	Textile PU Coatings Down/feather Leather Electric- equipment
Alkylphenols (AP), such as: - Nonylphenol, (NP) - Octylphenol (OP) - Heptylphenol (HpP) - Hexylphenol (HxP) - Pentaphenol (PeP) -4-tert-butylphenol -TNPP	Several	<10 mg/kg for sum		

4.2.4.2 Bisphenols

Requirements based on REACH annex XVII (entry 66 thermal paper) and Candidate list.

Chemical substance	CAS No	Limit value	Test method	Target material(s) / Use
Bisphenol-A; BPA	80-05-7	0,04 mg/l from	EN71-10 and	Toys in
(4,4'-isopropylidenediphenol)		migration	EN71-11	polycarbonate
		Not detected	LC-MS	Plastic, paper
2,2-bis(4'-hydroxyphenyl)-4-	6807-	10	GC-MS	Plastic,
methylpentane	17-6		LC-MS	paper,
				polycarbonate
Bisphenol B; BPB	77-40-7	10	GC-MS	Plastic,
(4,4'-(1-ethylpropylidene)bisphenol)			LC-MS	paper,
				polycarbonate

4.2.4.3 Chlorinated organic solvents and carriers

Requirements based on REACH annex XVII, Candidate list, EU **regulation** 2037/2000, IED 2010/75/EU and Substances that deplete the ozone layer

Chemical substance	CAS No	Limit value	Test method	Target
		(mg/kg)		material(s)
Chlorinated organic solvents (a	liphatic):	Not detected	GC-MS	Leather
Trichloromethane, (Chloroform)	1 67-66-3		GC-ECD	Paints, prints,
Trichloroethylene	79-01-6			stain removers,
Tetrachloroethylene	127-18-4		No	textile fibres
1,1-Dichloroethylene	75-35-4		standardised	washed, dyed
1,2-dichloroethane	107-06-2		test method	and /or printed,
1,4-Dichlorobenzene	106-46-7		available.	PU, synthetic
1,1,1-Trichloroethane	71-55-6		Detection limit	rubber.
1,1,2-Trichloroethane	79-00-5		0,1 mg/kg	
1,2,3- Trichloropropane	96-18-4			
1,1,2,2,-Tetrachlorethane	79-34-5			
1,1,1,2-Tetrachloroethane	630-20-6			
Carbon tetrachloride	56-23-5			
Pentacholorethane	76-01-7			
Chlorinated Toluenes:		1	EN 17137	
α,α,α,4- tetrachlorotoluene:	5216-25-1			
p-clorobenzotrichlorid				
α,α,α- trichlorotoluene;	98-07-7			
benzotrichloride				
α-chlorotoluene: benzyl chloride	100-44-7			
Chlorinated organic carriers (aromatic):		1,0 for sum	DIN 54232	
Chlorinated benzenes	Several			
Chlorinated toluenes	Several		Extraction GC-	
Chlorinated naphthalenes	Several		MS	
Chlorinated xylenes	Several			

4.2.4.4 **Isocyanates**

Requirements based on annex XVII (EC) No 1907/2006 (REACH)

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
2,2'-Methylenediphenyl	2536-05-2	< 200	No	Rigid foams,
diisocyanate (MDI)			standardised	fibers, coatings
2,4'-Methylenediphenyl	5873-54-1		test method	such as paints
diisocyanate (MDI)			available	and varnishes,
4,4'-Methylenediphenyl	101-68-8			and elastomers
diisocyanate (MDI)				
Methylenediphenyl diisocyanate	26447-40-			
(MDI)	5			
2,4-Toluene diisocyanate (2,4	584-84-9			
TDI)				
m-tolylidene diisocyanate (TDI)	26471-62-			
	5			
Hexane, 1,6-diisocyanato (HDI)	822-06-0			
Isophorone diisocyanate (IPDI)	4098-71-9			
Tetramethylxylene diisocyanate	2778-42-9			
(TMXDI)				
Benzene, 1,3-diisocyanato-2-	91-08-7			
methyl				



4.2.4.5 Pesticides used in the supply chain

Chemical substances listed in the Rotterdam Convention, annex III and recommended for listing in annex III, and chemical substances listed in annexes to the Stockholm Convention shall not be intentionally formed/used in agricultural or production processes or in products/packaging delivered to Kid/Hemtex.

Residues below Level of Quantification, (LOQ) based on Mass Spectroscopy analysis of products/packaging are regarded as unintentional formation/use.

For more information, please see the following URL: http://www.pic.int/



4.2.4.6 Polycyclic aromatic hydrocarbons, PAH

Requirement based on REACH Candidate list, annex XVII entry 50, amended by EU Regulation 1272/2013 (eight first substances in the table)

For products with direct, prolonged or multiple short, skin contact.

Chemical substance	CAS RN	Limit value (mg/kg)	Test method	Target material(s)
Benzo(a)pyrene	50-32-8	0,2	ISO 21461	Rubber
Benzo(e)pyrene	192-97-2	Each PAH	(NMR) (rubber)	Leather
Benzo(a)anthracene	56-55-3		, , , , ,	Black plastic
Benzo(a)phenanthrene (Chrysene)	218-01-9	Toys and childcare	EN 17132 (textile)	materials PU-elastane
Benzo(b)fluoranthene	205-99-2	articles; 0,2		Neoprene
Benzo(j)fluoranthene	205-82-3	each PAH	Footwear:	
Benzo(k)fluoranthene	207-08-9		AfPS GS 2019-	
Dibenzo(a,h)anthracene	53-70-3		01 PAK	
Benzo(ghi)perylene	191-24-2		ISO/TS 16190	
Fluoranthene	206-44-0		Detection limit:	
Anthracene (Also biocid)	120-12-7		0.2 mg/kg	
(Also anthracene oil				
distillation fractions)				
Phenanthrene	85-01-8			
Acenaphthene	83-32-9			
Acenaphtylene	208-96-8	10 of sum		
Fluorene	86-73-7	of all 18 PAHs		
Indeno(1,2,3-cd)pyrene	193-39-5			
Naphthalene	91-20-3			
Pyrene	129-00-0			

TESTING AND ASSESSMENT OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) IN THE AWARD OF THE GS MARK - SPECIFICATION PURSUANT TO §21(1) NO. 3 OF THE PRODUCT SAFETY ACT (PRODSG) AFPS GS 2019:01 PAK MAY 15, 2019

	CATEGORY 1	CATEGORY	2	CATEGORY 3	
	Materials intended to be placed in the mouth or materials in toys (Directive 2009/48/EC) or articles for	ntended to be Category 1, with intended or foreseeable long-term skin contact (> 30 seconds) or short-term repetitive contact with the skin 2009/48/EC) or		Materials not covered by Category 1 or 2, with intended or foreseeable short-term skin contact (\$ 30 seconds)	
	children up to 3 years of age with intended long- term skin contact (> 30 seconds) (mg/kg)	2a Use by children under 14 (mg/kg)	2b Other consumer products (mg/kg)	3a Use by children under 14 (mg/kg)	3b Other consumer products (mg/kg)
Benzo(a)pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Benzo[j]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Benzo(k)fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Indeno[1,2,3-cd]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	<1
Anthracene, fluoranthene, phenanthrene, pyrene	< 1 (sum)	< 5 (sum)	< 10 (sum)	< 20 (sum)	< 50 (sum)
Naphthalene	<1	< 2	< 2	× 10	< 10
Total 15 PAHs	<1	< 5	< 10	< 20	< 50

4.2.4.7 Quaternary ammonium compounds

Requirements based on PARCOM Recommendation 93/4 for complete phase-out

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
DSDMAC	107-64-2	Not detected	LC-MS	Textile
DTDMAC	68783-78-8		Detection limit	Leather
DHTDMAC	61789-80-8		10 mg/kg	Cosmetics



4.2.4.8 **Solvents**

Kid/Hemtex does not accept any strong odour products. Assurance shall, if requested, be verified by the following general set up:

- A. Odour test:
 - a. result pass; no further test and product is accepted
 - b. inconclusive result. Continue with GC-MS Headspace according to table VOC, named substances
 - GC-MS test pass all limit values; no further test and product is accepted even if inconclusive result from odour test.
 - ii. GC-MS test do not pass all limit values; no further test and product is not accepted.
 - c. result fail; no further test and product is not accepted
- B. Kid/Hemtex may also request VOC to be tested according Tenax method; ISO 16000-6
- C. For specific products, as described in inquiry, tests for individual substances from lists VOC may be requested.

Parameter	Requirement	Test method
Odour test	< 3; Pass	Panel test with
	3 - 3,5; Inconclusive; shall be followed by VOC test, Table	reference to SNV
	VOC, GC-MS Headspace as below	195651 / DIN 10955
	> 3,5; Fail	Scale 1 to 5
	Kid/Hemtex accept only panel tests for odour performed at	
	labs in Hong Kong or Shanghai or European Locations.	
	Accepted labs are ITS, SGS, UL or TUV Rheinland	

Requirements are based on REACH Annex XVII and Candidate list, Product safety directive IED 2010/75/EU. Some of listed substances may also function as biocides.

Chemical substance	VOC	CAS No	Limit value (mg/kg)	Test method	Target material(s) / Use
Aromatic organic solver	nts				
Benzene	Yes	71-43-2	1	GC/MS	Paints,
Ethylbenzene	Yes	100-41-4	20	VOC;	Lacquers
Styrene	Yes	100-42-5	10	Headspace	Textiles
Toluene	Yes	108-88-3	5		Plastics
Total Xylenes	Yes	1330-20-7 Various	20		Adhesives
Cyclohexane	Yes	108-94-1	100		
Acetophenone	Yes	98-86-2	Sum < 300		Polymer foam except PU
2 phenyl-2-propanol	Yes	617-94-7			EVA foam
Phenol		108-95-2	50	HPLC-DAD	Rubber, Polymeric material, Adhesives
Glycols					
2-ethoxietylacetate		111-15-9	100	GC/MS	Paints, Lacquers
2,2'dimethyldiether, DEGDME		111-96-6	100	VOC; Headspace	Textiles, Plastics Adhesives
Other organic solvents					
DMFa, N,N-Dimethylformamide	Yes	68-12-2	500	EN 17131:2019 (textile)	PU, Acrylic, Paper
NMP	Yes	872-50-4	1	GC/MS	PU, Styrene-
N-methylpyrrolidone				VOC;	butadiene, latex
DMAC		127-19-5	1	Headspace	PU, Acrylic,
N,N-dimethylacetamide,					Polyamide
Formamide	Yes	75-12-7		Detection limit 1 mg/kg	EVA foam, PU, paper
ADCA Azodicarbonamide	Yes	123-77-3	Not detected	GC-MS	Plastics, rubber, foaming agent in EVA, PE and PVC*



Hydrazine	Yes	302-01-2 7803-57-8	1000	UV-VIS Or GC-MS	Foaming agent in polymer foams, EVA
1,4 dioxane		123-91-1	< 100	-	Foaming agent, wetting agent in textiles

^{*}See separate requirement for PVC in this chapter and in PAR 3.5.8

4.2.4.9 Tin organic compounds

Requirements based on REACH, Candidate list and annex XVII. Children requirements based on Oeko-tex®.

Chemical substance	CAS RN	Limit value	Test method	Target
		(mg/kg)		material(s)
Dibutyltin compounds DBT, DBTC and various DBTs	1002-53-5 683-18-1, 818-08-6 1067-33-0, 3349-36-8 15546-11-9, 4731-77-5 85702-74-5, 15546-16-4 2781-10-4, 77-58-7 13323-63-2, 5847-55-2 13323-62-1, 85391-79-3 95873-60-2	Not detected	GC-MS Detection limit: 0,2 mg/kg Possible reference to; EN ISO 22744-	PU Coatings PVC* Rubber TPR
Tributyltin compounds (TBT) Bis(Tributyltin)Oxide, TBTO (also biocid)	688-73-3, 56573-85-4 56-35-9		1 (textile) ISO/TS 16179 (footwear) DIN 38407 F13:2001 U	
Dioctyltin compounds (DOT) (DOTE, MOTE)	870-08-6 15571-58-1 27107-89-7		ISO 17353 (Water and sediment)	
Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety Dibutylbis(pentane-	22673-19-4			
2,4-dionato-O,O') tin Triphenyltin	900-95-8, 379-52-2,			
compounds (TPhT)	892-20-6, 76-87-9, 668-34-8, 639-58-7			
Trimethyltin (TMT) Tricyclohexyltin (TCyHT)	1631-73-8 6056-50-4			
Trioctyltin (TOT)	250252-89-2			
Tripropyltin (TPT)	-			

^{*}See separate requirement for PVC in this chapter and in PAR 3.5.8



$4.2.4.10 \quad \hbox{Other process chemicals}$

Requirements based on REACH Candidate list and Kid/Hemtex policy.

Requirements based on REACH Candidate list and Kid/Hemtex policy.						
Chemical substance	CAS No	Limit value (mg/k g)	Test method	Target material(s) / Use		
3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazolidine	143860-04-2	1000	No specified	PU, Moisture scavenger		
Triglycidyl isocyanurate,TGIC	2451-62-9	1000	LC-MS	Hardener, Coatings, Prints		
β-Triglycidyl isocyanurateβ-TGIC	59653-74-6	1000	LC-MS	Solder mask ink, Coatings on metal		
Technical MDA	25214-70-4	1000	GC-MS	Hardener in hard ware		
Ethylenethiourea	96-45-7	1000	LC-MS	Accelerator in rubber		
Ethylenediamine, EDA	107-15-3	Not detect ed	GC-MS	Textiles, PU, Epoxy resins (in glues, adhesives, paints)		
N-nitrosamines	Several	0.5 mg/kg	GB/T 24153: determination using GC/MS with LC/MS/MS verification if positive. Alternatively, LC/MS/MS may be performed on its own.	Natural and synthetic rubber		
Quinoline	91-22-5	50	GC-MS LC-MS	Textiles		
2-methoxyethyl acetate	110-49-6	100	GC-MS LC-MS	Solvent for celluloseacetete and textile printing, laquers		
Bis(2-(2- methoxyethoxy)ethyl)e ther	143-24-8	1000	-	Solvent/extracti on agent. Can be used in inker prints		
tris(2- methoxyethoxy)vinylsil ane	1067-53-4	1000		Polymers (Rubbers, plastics, sealants) Can be used in plating agent and surface treating agent.		
Imidazoles: 1-vinylimidazole 2-methylimidazole	1072-63-5 693-98-1	< 200	No standardised test method available.	Adhesives, epoxy resins, textiles		



4.2.5 Product related (property lending) chemicals

Product related substances that are used with intended function in the finished product.

Aromatic Amines from Azo Dyes 4.2.5.1

Requirements based on REACH annex XVII - entry 43 and entry 72 as well as the Candidate list

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
Benzidine	92-87-5	Not	EN ISO 14362-	Textile
Biphenyl-4-ylamine	92-67-1*	detected	1/ -3 for textiles	Leather
4-Chloro-o-toluidine	95-69-2	detected	1/ -5 for textiles	Feathers
2-Naphthylamine	91-59-8	-	EN ISO	Paper
o-Aminoazotoluene	97-56-3*	-	17234-1, -2	ιαροι
5-Nitro-o-toluidine	99-55-8		for leather	
4-Chloroaniline	106-47-8			
4-methoxy-m-phenylenediamine	615-05-4		Detection limit	
4,4-Methylenedianiline	101-77-9	-	20 mg/kg	
3,3-Dichlorobenzidine	91-94-1	-	(per each of	
o-Dianisidine	119-90-4	-	the arylamine	
4,4'-bi-o-toluidine	119-90-4	-	breakdown	
4,4-Methylenedi-o-toluidine	838-88-0*	-	product)	
p-Cresidine	120-71-8*			
4,4'-Methylene-Bis-(2-Chloroaniline)	101-14-4			
4,4'-Oxydianiline	101-14-4			
4,4'-Thiodianiline	139-65-1			
o-Toluidine	95-53-4*			
2,4,5-Trimethylaniline	137-17-7			
4-methyl-m-phenylenediamine	95-80-7*	-		
o-Anisidine	90-04-0*			
2,4-xylidine	95-68-1	-		
2,6-xylidine	87-62-7	1		
4-Aminoazobenzene	60-09-3*	1		
4-chloro-o-toluidinium chloride	3165-93-3**	1		
2-Naphthylammoniumacetate	553-00-4**			
4-methoxy-m-phenylene	39156-41-7**	1		
diammonium sulphate; 2,4-				
diaminoanisole sulphate				
2,4,5-trimethylaniline hydrochloride	21436-97-5**	1		
	•	•	* SI	/HC substances

** CMR fast track substances

4.2.5.2 **Borate compounds**

Requirements based on REACH Candidate list

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
Boric Acid	10043-35-3 11113-50-1	Not detected	AAS Detection as	Wood Slime
Tetraboron disodium heptaoxid, hydrate	12267-73-1	(LOQ: 25	100 μg /kg as Boron	Biocides Glue
Diboron trioxide	1303-86-2	mg/kg for		Detergents
Disodium tetraborate anhydrous	1330-43-4, 12179-04-3 1303-96-4	individual compounds (10 mg/kg	ICP-MS and ICP-OES Detection limit	Flame retardant
Sodium peroxometaborate	7632-04-4	for total Boron	as 1 µg/kg as Boron	
Sodium perborate; perboric acid, sodium salt	239-172-9, 234-390-0	content))	Вогоп	
Disodium octaborate,	12008-41-2			
Orthoboric acid, sodium salt, e.g	13840-56-7			

4.2.5.3 **Benzotriazols**

Requirements based on REACH Candidate list

Chemical substance	CAS No	Limit value	Test method	Target material(s) / Use
2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7	Not detected	GC MS LC-MS GC-ECD	Plastics PU Rubber
2,4-di-tert-butyl-6-(5-chlorobenzo triazol-2-yl)phenol (UV-327)	3864-99-1		No standardized	Coatings
2-(2H-benzotriazol-2-yl)-4,6-ditert pentylphenol (UV-328)	25973-55-1		test method, legal limit 1000 mg/kg	
2-(2H-benzotriazol-2-yl)-4-(tert- butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3			
3-benzylidene camphor (1,7,7- trimethyl-3- (phenylmethylene)bicyclo[2.2.1] heptan-2-one)	15087-24-8			

4.2.5.4 **Dyes pigments colorants**

Requirements based on Commission Decision 2009/567/EC, EU flower, REACH Annex XVII, REACH Candidate list

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)		
CMR, Carcinogenic Mutage	nic, Reproductiv		uffs	(5)		
C.I. Disperse Orange 11	82-28-0	Not	Extractable dyestuff	Textile		
C.I. Basic Red 9	569-61-9**	Detected	EN ISO 16373	Leather		
C.I Direct Red 28*	573-58-0*			Feather,		
C.I. Disperse Violet 14	632-99-5		Detection limit	Paper inks,		
C.I. Direct Black 38	1937-37-7*		20 mg/kg	Packaging		
C.I. Disperse Blue 1*	2475-45-8**		(per substance)			
C.I. Direct Blue 6	2602-46-2					
C.I. Acid Red 26	3761-53-3					
C.I. Direct Brown 95	16071-86-6					
C.I. Disperse Orange 149	85136-74-9					
Michlers base*	101-61-1*					
Michlers ketone	90-94-8					
C.I. Solvent Blue 4*	6786-83-0*					
C.I. Basic Blue 26*	2580-56-5*, **					
C.I. Basic Violet 3*	548-62-9*					
4,4'-bis(dimethylamino)-4"-	561-41-1*					
(methylamino)trietylalcohol*						
C.I. Disperse Yellow 3	2832-40-8					
* SVHC substances						
Allergenie Dyestuffe.				**CMR fast track		
Allergenic Dyestuffs: C.I. Disperse Blue 1*	2475 45 0	Not	DIN 54231	Textile		
	2475-45-8	Detected	Method to be	Leather		
C.I. Disperse Blue 3	2475-46-9	Detected	followed strictly	Feather		
C.I. Disperse Blue 7 C.I. Disperse Blue 26	3179-90-6 3860-63-7	<u> </u>	including methanol	i callici		
C.I. Disperse Blue 26	100357-99-1		extraction			
	13324-23-7		CALIACION			
C.I. Disperse Blue 35	12222-75-2		Detection limit			
C.I. Disperse Blue 102	12222-75-2		50 mg/kg			
C.I. Disperse Blue 106	12223-01-7		(per substance)			
C.I. Disperse blue 100	68516-81-4		(1			
C.I. Disperse Blue 124	61951-51-7		Extractable			
C.I. Disperse Brown 1	23355-64-8		dyestuffs			
C.I. Disperse Drown 1 C.I. Disperse Orange 1	2581-69-3	_	EN ISO 16373			
C.I. Disperse Orange 3	730-40-5					
C.I. Disperse Orange 37	12223-33-5					
C.I. Disperse Orange 59**	13301-61-6	_				
C.I. Disperse Orange 76**	51811-42-8	_				
C.I. Disperse Red 1	2872-52-8	_				
C.I. Disperse Red 11	2872-48-2					
C.I. Disperse Red 17	3179-89-3					
C.I. Disperse Yellow 1	119-15-3					
C.I. Disperse Yellow 3	2832-40-8					
C.I. Disperse Yellow 9	6373-73-5	†				
C.I. Disperse Yellow 23	6250-23-3	†				
C.I. Disperse Yellow 39	12236-29-2	+				
C.I. Disperse Yellow 49	54824-37-2	+				
Navy Blue	405-665-4	-				
INAVY DIG	118685-33-9					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					



Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
Pigment salts				
All lead and chromate pigment salts		See section toxic heavy metals	1. XRF 2. AAS 3. ICP-MS ICP- OES	Enamel coated metal Colored plastic Colored rubber
Cobalt(II)sulphate	10124-43-3	1000		Plastisol Prints Ceramics

4.2.5.5 Electrolyte

Requirements based on REACH Candidate list and REACH authorization list (Annex XIV)

Chemical substance	CAS No	Limit value	Target material(s)
1,3-propanesultone	1120-71-4	1000 mg/kg	Electrolyte in
1,2-bis(methoxy) ethane (TEGDME)	112-49-2		Li ion
1,2-dimethoxyethane (EGDME)	110-71-4		batteries
Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8		
(tetraglyme/TEGDME)			May be
Bis(2-methoxyethyl) ether	111-96-6	Not detected	found in
(diglyme/DEGDME)			printing inks

4.2.5.6 Flame retardants, FR

Requirements based on REACH, Water Framework Directive and POPs regulation Some substances listed under flame retardants may also have other use in processes or products. See also chapter Boron compounds

Chemical substance	CAS No	Limit value (mg/kg)	Test method	Target material(s)
Antimony based FR				
Antimony(III) Oxide	1309-64-4	10 Polyester: 200	XRF screening GC MS ICP-OES	Plastics Textile Gypsum
Brominated, Chlorinated FR	•	1		, ,,
Tetrabromodiphenyl ether, TetraBDE	5436-43-1	Not detected	EN ISO 17881-1	Plastics Textile
Polybrominated Biphenyls (Mix) PBB	59536-65-1 Various		(textiles).	Foam
Pentabromodiphenyl ether, PBDE	32534-81-9 60348-60-9		EN16377 for PBB (plastics)	
Hexabromobiphenyl	36355-01-8			
Hexabromodiphenyl ether, HexaBDE	68631-49-2 207122-15-4		XRF Screening*	
Heptabromodiphenyl ether, HeptaBDE	207122-16-5 446255-22-7		GC-MS, LC-MS For LC-MS	
Octabromodiphenyl ether, OctaBDE	32536-52-0		recommended detection limit	
Decabromobiphenyl ether, DecaBDE	1163-19-5		1 mg/kg	
Tetrabromobisphenol A TBBPA	79-94-7			
Hexabromocyclododecane	25637-99-4			
HBCDD	3194-55-6			
	134237-50-6			
	134237-51-7			
Daablassa Dissa TM	134237-52-8	1		
Dechlorane Plus™	13560-89-9			

Chlorinated Paraffins				
Short chained chlorinated paraffin, SCCP (C10-C13),	85535-84-8	100	EN ISO 22818 (textile)	Rubber Leather
Medium-chain chloroparaffins, MCCP (C14-C17)	85535-85-9	1000	ISO 18219	Paints PU
Long-chain chloroparaffins, LCCP (C18-)	85535-86-0	1000	(leather) Plastic	PVC**
Phosphate and phosphonium based		_		
Tri-O-Cresylphosphate (TOCP)	78-30-8	10	For non-textile	Plastics
Tris(2-Chloroethyl) Phosphate (TCEP)	115-96-8	Not detected	materials: XRF	Textile Rubber
Phosphonium Tetrakis (Hydroxymethyl)-Chloride	124-64-1	10	Screening*, GC-MS	Foam
Tris(2,3-Dibromopropyl) Phosphate (TBPP)	126-72-7	10	LC-MS Detection limit	
Tris(1-Aziridinyl)-Phosphine Oxide (TEPA)	545-55-1	10	for LC-MS 1 mg/kg	
Dimethyl Methylphosphonate (DMMP)	756-79-6	10	For textiles:	
Tricresyl Phosphate (TCP)	1330-78-5	10	EN ISO	
2-Propanol, 1-Chloro-, Phosphate (3:1) (TCPP)	13674-84-5	5	17881-2	
Tris(1,3-Dichloro-2-Propyl) Phosphate (TDCPP)	13674-87-8	5		
Phosphoric Acid, Methylphenyl	26444-49-5	10	7	
Phosphoric Acid, (1,1-Dimethylethyl) Phenyl Diphenylester	56803-37-3	10		

^{*}Requirement XRF screening test:

Isopropylated phenyl phosphate (3:1)

Triphenyl phosphate

Trixylyl phosphate

Substances that contain bromine, chlorine, heavy metals may be screened with XRF for a first indication of presence of elements in the sample.

115-86-6

25155-23-1

68937-41-7

10

10

For quantitative determination of listed substances GC-MS or LC- MS may be requested.

^{*}See separate requirement for PVC in this chapter and in PAR 3.5.8

4.2.5.7 Formaldehyde

Requirement based on REACH, Annex XVII, entry 28-30 and several legal requirements.

Chemical substance	CAS No	Limit value	Test method	Target material(s) / Use
Formaldehyde	50-00-0	Children <36 months*	ISO 14184-1	Textile
		16 mg/kg	Leather:	Leather
			ISO 17226-2 and ISO	
		All other 75 mg/kg	17226-1	
			confirmation method in	
			case of interferences.	
			Note requirements for	
			sampling in standard*.	
			EN 645 (paper)	
			EN 1541 (paper)	
		0,124 mg/m ³	EN 717-1:2004	Wood based
		<3,5 mg/m2 xh	EN ISO 12460-3	panels
				Adhesives

^{*&}quot;Items that might come into contact with children" are products such as bed sheet, bed set, pillow cases, towels and similar products from Kid/Hemtex's assortment

^{*}Due to its volatility, formaldehyde is "contagious". If a garment containing formaldehyde is placed on top of a garment without formaldehyde, the latter garment will be "infected". Fabric samples for testing must be packed in air dense plastic bags (polyethylene, PE, or polypropylene, PP).



4.2.5.8 Heavy metals and their compounds in textile and leather

Requirements based on General Product Safety directive.

Note that several salts related with these requirements are included in the REACH candidate list.

Chemical substance	CAS No		lue (mg/kg)	Test method
		adults	children	
			<36 months*	
Antimony, Sb	7440-36-0	30	30	Extraction in accordance
Arsenic, As, and arsenic	7440-38-2	1,0	0,2	with
compounds:				ISO 105 E04, 40°C 1 h
Diarsenic Pentoxide	1303-28-2			and analysis AAS, or ICP-
Diarsenic Trioxide	1327-53-3			MS, ICP-OES
Triethyl arsenate	15606-95-8			(For children up to 36
Arsenic acid	7778-39-4			months:saliva solution.
Calcium arsenate	7778-44-1	0.4	0.4	For other products: sweat
Cadmium, Cd	7440-43-9	0,1	0,1	solution
and cadmium compounds	1306-19-0 1306-23-6			
	10108-64-2			EN 16711-1 (total content
	7790-79-6			in textiles).
	10124-36-4			EN 16711-2 (extractable
	31119-53-6			content in textile)
	10325-94-7			
	513-78-0			Leather;
	21041-95-2			EN ISO 17072-1
Cobalt, Co	7440-48-4	4,0	1,0	(extractable)
Copper, Cu	7440-50-8	50	25	ISO 17072-2 (total
Lead, Pb and lead salts (see	7439-92-1	1,0	0,2	content)
appendix Lead compounds)		','	-,-	
Mercury, Hg, and mercury	7439-97-6	0,02	0,02	
compounds:		,	,	
Phenylmercury neodecanoat	26545-49-3			
Phenylmercury octanoate	13864-38-5			
Phenylmercury 2-	13302-00-6			
ethylhexanoate				
Phenylmercury propionate	103-27-5			
Phenylmercury acetate	62-38-4			
Nickel, Ni	4770-02-0	4,0	1,0	
Hexavalent Chrome, Cr +6	18540-29-9	Not	Not detected	For leather:
(see appendix Chromium		detect		EN ISO 17075-1,
compounds)		ed		(Colorimetric method),
				EN ISO 17075 -2
				(Chromatographic
				method)
				Detection limit: 3 mg/kg.
				ISO 19071 (in chromium
				tanning agents) EN ISO 10195 (pre-aged
				leather)
				ieauiei <i>)</i>
				For textiles.
				UV-VIS Spectrometer,
				ICP-MS
				Detection limit: 0.5 mg/kg

^{* &}quot;Items that might come into contact with children" are products such as bed sheet, bed set, pillow cases, towels and similar products from Kid/Hemtex's assortment.

Substances that contain bromine, chlorine, heavy metals may be screened with XRF for a first indication of presence in the sample. Stated test methods should be used for quantitative determination where applicable.



Appendix Chromium compounds

See requirements for Chromium in list Toxic Heavy metals.

Requirements based on Candidate list of Substances of Very High Concern, SVHC, Regulation (EC) No 1907/2006 (REACH) and Annex XIV

Chemical substance	CAS No
Ammonium dichromate	7789-09-05
Potassium chromate	7789-00-6
Potassium dichromate	7778-50-9
Sodium chromate	7775-11-3
Sodium dichromate dehydrate	7789-12-0, 10588-01-9
Strontium chromate	7789-06-2
Chromium trioxide	133-82-0
Chromic acid	7738-94-5
Dichromic acid	13530-68-2
Lead chromate	7758-97-6
Lead sulfochromate	1344-37-2
Lead chromate molybdate sulphate	12656-85-8
Dichromium tris(chromate)	24613-89-6
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9
Pentazinc chromate octahydroxide	49663-84-5

Appendix Lead compounds

See requirements for Lead in list Toxic Heavy metals. Requirements based on Candidate list of Substances of Very High Concern, SVHC, Regulation (EC) No 1907/2006 (REACH)

Chemical substance	CAS No
Lead chromate	7758-97-6
Lead sulfochromate	1344-37-2
Lead chromate molybdate sulphate	12656-85-8
Lead(II)picrate	6477-64-1
Lead styphnate	15245-44-0
Lead diazide	13424-46-9
Lead hydrogen arsenate	7784-40-9
Lead monoxide (Lead oxide)	1317-36-8
Orange lead (Lead tetroxide)	1314-41-6
Lead bis(tetrafluoroborate)	13814-96-5
Trilead bis(carbonate)dihydroxide	1319-46-6
Lead titanium trioxide	12060-00-3
Lead titanium zirconium oxide	12626-81-2
Lead(II)bis(methanesulfonate	17570-76-2
Silicic acid, lead salt	11120-22-2
Silicic acid (H2Si2O5), barium salt (1:1), leaddoped	68784-75-8
Acetic acid, lead salt, basic	51404-69-4
Lead oxide sulfate	12036-76-9
[Phthalato(2-)]dioxotrilead	69011-06-9
Dioxobis(stearato)trilead	12578-12-0
Fatty acids, C16-18, lead salts	91031-62-8
Lead cynamidate	20837-86-9
Lead dinitrate	10099-74-8
Pentalead tetraoxide sulphate	12065-90-6
Pyrochlore, antimony lead yellow	8012-00-8
Sulfurous acid, lead salt, dibasic	62229-08-7
Tetraethyllead	78-00-2
Tetralead trioxide sulphate	12202-17-4
Trilead dioxide phosphonate	12141-20-7



4.2.5.9 Heavy metals in hardware (non-textile and non-leather products)

Requirements based on REACH. Several substances of relevance in the Candidate list.

Chemical substance	CAS No	Limit value	Test method	Target
		(mg/kg)		material(s)
	7440.00.0	Total content	B 4'	N 4 4 1
Arsenic, As and arsenic	7440-38-2	25	Microwave	Metal,
compounds:	4000 00 0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	assisted acidic	Plastic,
Diarsenic Pentoxide	1303-28-2 1327-53-3	Wood: not	digestion, determination with	Glass, Wood
Diarsenic Trioxide		detected		vvood
Triethyl arsenate Arsenic acid	15606-95-8		ICP/MS, AAS or ICP-OES	
	7778-39-4 7778-44-1		ICP-UES	
Calcium arsenate Cadmium, Cd	7440-43-9	75 in		Plastic
and cadmium compounds	1306-19-0	plastic material		Metal
and cadmidin compounds		•		ivietai
	1306-23-6	or paint.		
	10108-64-2	Not detected		
	7790-79-6	in brazing		
	10124-36-4	fillers or in		
	31119-53-6	jewellery.		
	10325-94-7			
	513-78-0			
Load Dhaadaalta	21041-95-2	00		Nastal
Lead, Pb and lead salts	7439-92-1	90		Metal,
(see appendix Lead	Various			Plastic,
compounds)				Glass,
NA I I I	7400 07 0	0.5		Ceramics
Mercury, Hg, and mercury	7439-97-6	0,5		Gypsum,
compounds:	00545 40 0			Metal,
Phenylmercury neodecanoat	26545-49-3			Plastic
Phenylmercury octanoate	13864-38-5			
Phenylmercury 2-	13302-00-6			
ethylhexanoate	400.07.5			
Phenylmercury propionate	103-27-5			
Phenylmercury acetate	62-38-4	0.5	0	NA - (- I
Nickel, Ni	7440-02-0	0.5 µg per cm2	Screening test	Metal,
In metal with intended		and week for	with dimethyl	Plastic,
prolonged** skin contact.		products	glyoxime and	Metal-
>10 min on three or more		intended to	ammonium	coatings
occasions or, >30 min on one		come into	hydroxide, if	
or more occasions within two		direct and	positive: Part with	
weeks		prolonged	coating or plating:	
		contact with	EN 12472:2005	
		the skin.	+A1:2009 and EN	
			1811:2011+	
			A1:2015 Part	
			without coating or	
			plating: EN	
			1811:2011+	
			A1:2015	
Hexavalent Chrome, Cr +6	18540-29-9	3*,	Alkaline digestion	Plastic
(see appendix Chromium	Various	Cr VI	and colorimetric	Wood
compounds)		substances	analysis	Metal
		shall not be	Possible	Cement
		used	reference to IEC	
			62321	

Articles may be screened with XRF for a first indication of presence of heavy metals in the sample. Stated test methods should be used for quantitative determination where applicable.

http://echa.europa.eu/documents/10162/13641/nickel_restriction_prolonged_contact_skin_en.pdf

^{*}Limit for unintentional occurrence. Compliance may be shown by total chrome content.

^{**}See definition of prolonged skin contact in the case of Nickel restriction;



4.2.5.10 Heavy metals in packaging

Requirement based on Directive 94/62/EC, Packaging and Packaging waste. Wood preservatives regulated in Annex XVII. Note also requirements for PVC. DMFu and other biocides.

Chemical substance	CAS No	Limit value (mg/kg) Total content	Test method	Target material(s)
Cadmium, Cd	7440-43-9,	Sum < 100	CEN/CR	Packaging.
and cadmium compounds	1306-19-0,	Max 75 mg/kg	13695-1:2000	
	1306-23-6,	for Cd		
	10108-64-2,		CEN/TR	
	7790-79-6,		13695-2:2004	
	10124-36-4,			
	31119-53-6			
	10325-94-7			
	513-78-0			
	21041-95-2			
Hexavalent Chrome, Cr +6	18540-29-9,			
(see appendix Chromium	Various			
compounds)				
Lead, Pb and lead salts	7439-92-1,			
(see appendix Lead compounds)	Various			
Mercury, Hg, and mercury	7439-97-6			
compounds:				
Phenylmercury neodecanoat	26545-49-3			
Phenylmercury octanoate	13864-38-5			
Phenylmercury 2-ethylhexanoate	13302-00-6			
Phenylmercury propionate	103-27-5			
Phenylmercury acetate	62-38-4	<u> </u>	<u> </u>	<u> </u>

Substances that contain heavy metals may be screened with XRF for a first indication of presence in the sample. Stated test methods should be used for quantitative determination where applicable.

4.2.5.11 Heavy metals in EE products, except batteries

Requirements based on RoHS directive, note exceptions in directive.

If there is a conflict between specific requirement in other part of this PSR and exception in RoHS, the requirement in the RoHS directive shall apply. Still, if levels from exceptions exceeds 1000 mg/kg the supplier must inform Kid/Hemtex. The supplier shall in that case also provide SCIP-registration number to Kid/Hemtex for the item containing SVHC above 0,1%

Note also requirements for flame retardants, and other restricted chemical substances.

Chemical	CAS No	Limit value	Test methods
substance		(mg/kg)	
Cadmium, Cd	7440-43-9, 1306-	100	The harmonized standard EN 50581
and cadmium salts	19-0, 1306-23-6,		shall be followed for showing full
	10108-64-2,		compliance with directive.
	7790-79-6,		XRF, screening*
	10124-36-4,		Note also the EN 62321 series for
	31119-53-6		showing compliance.
Hexavalent Chrome,	18540-29-9	1000	
Cr +6			Valid for all homogenous materials in EE
Lead, Pb	7439-92-1	1000	products.
Mercury, Hg	7439-97-6	1000	

^{*}Materials may be screened with XRF for an indication of presence of heavy metals.

4.2.5.12 Heavy metals in batteries

Requirements based on Battery directive 2006/66/EC and EU Ecolabel. Note also substances of relevance included in the Candidate list. For example 1,2-dimethoxyethane.

Chemical substance	CAS No	Limit value w/w% (x ppm)	Limit value Mid/ high prize product, ppm (Nordic Ecolabel)	Test methods
Mercury, Hg	7439-97-6	0,0005w/w% (5 ppm)	< 0,1 ppm	Battery Industry Standard Analytical Method. For the
Cadmium, Cd	7440-43-9	0,002w/w % (20 ppm)	< 1,0 ppm	determination of Mercury, Cadmium and Lead in Alkaline
Lead, Pb	7439-92-1	0,004w/w % (40 ppm)	< 10 ppm	Manganese Cells Using AAS, ICP-AES and Cold Vapour, European Portable Battery association (EPBA), Battery Association of Japan (BAJ), National Electrical Manufactures Association (NEMA; USA) April 1998 Comparable test method can be approved if it, by an independent party, has been valued and estimated as equal to the recommended methods.

4.2.5.13 Nickel in metals with intended contact with skin

Requirement based on REACH. Annex XVII. entry 27.

Chemical substance	CAS No	Limit value µg/cm² and week	Test method
Nickel, Ni, in metal with intended prolonged* skin contact. >10 min on three or more occasions or, >30 min on one or more occasions within two weeks	7440-02-0	0,5 Note result interpretation in standard.	Screening test with dimethyl glyoxime and ammonium hydroxide, if positive: Part with coating or plating: EN 12472:2005 +A1:2009 and EN 1811:2011+ A1:2015
For metal accessories pierced from the skin, such as the pin at an earring	7440-02-0	0,2 Note result interpretation in standard.	Part without coating or plating: EN 1811:2011+ A1:2015

^{*}See definition of prolonged skin contact in the case of Nickel restriction; http://echa.europa.eu/documents/10162/13641/nickel restriction prolonged contact skin en.pdf



4.2.5.14 PFAS, Per and polyfluorinated alkyl substances*

Requirement based on REACH Candidate list and Stockholm Convention on Persistant Organic Pollutants (POPs) and Kid/Hemtex policy.

Pollutants (POPs) and Kid/Hemtex policy.										
Chemical substance	Acronym	CAS Number	Test method	Target material						
PFSA related substances			Not detected	Textile Coatings and						
Perfluoroctane sulfonate	PFOS	FOS 1763-23-1 For FTOHs:								
Perfluoroctanesulfonamide	PFOSA	754-91-6	Solvent	impregnations						
N-Methyl-Perfluoroctanesulfonamide	N-Me-FOSA	31506-32-8	extraction	Note						
N-Ethyl-Perfluoroctanesulfonamide	N-Et FOSA	4151-50-2	according to CEN/TS	requirements in Appendix						
N-Methyl- Perfluoroctanesulfonamidoethanol	N-Me-FOSE	24448-09-7	15968 and	4.1 "PSR						
N-Ethyl-			analysis by GC-MS-MS	Quality" regarding						
Perfluoroctanesulfonamidoethanol	N-Et-FOSE	1691-99-2	Recommended	Food contact						
Perfluorohexane sulfonate Perfluorobutane sulfonic acid and its	PFHxS	355-46-4	reporting limit 10µg/m2	products						
salts	PFBS	various	For Others:							
PFCA related substances	1	1	CEN/TS 15968							
Perfluoroctane acid	PFOA	335-67-1	Solvent							
Perfluorononanoic acid	PFNA	375-95-1	extraction and							
Perfluorodecanoic acid	PFDA	335-76-2	analysis by LC-MS-MS							
Perfluoroundecanoic acid	PFUnA	2058-94-8	Recommended							
Heptacosafluorotetradecanoic acid	PFTA	376-06-7	reporting limit							
Tricosafluorododecanoic acid	PFDoA	307-55-1	0,5 μg/m ₂							
Pentacosafluorotridecanoic acid	PFTrDA	72629-94-8								
Ammonium pentadecafluorooctanoate	APFO	3825-26-1								
Sodium perfluorooctanoate	Na-PFO	335- 95-5								
Potassium perfluorooctanoate	Ca-PFO	2395-00-8								
Silver perfluorooctanoate	Ag-PFO	335-93-3								
Perfluorooctanoyl fluoride	F-PFO	335-66-0								
Methyl pentadecafluorooctanoate	Me-PFO	376-27-2								
Ethyl perfluorooctanonate	Et-PFO	3108-24-5								
Perfluorobutanoic acid	PFBA	375-22-4								
Perfluoropentanoic acid	PFPeA	2706-90-3								
Perfluorohexanoic acid	PFHxA	307-24-4								
Perfluoroheptanoic acid	PFHpA	375-85-9								
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid	HFPO-DA	13252-13-6								
2,3,3,3-tetrafluoro-2-	TILL O-DA									
(heptafluoropropoxy) propionyl fluoride		2062-98-8								
Ammonium 2,3,3,3-tetrafluoro-2-		0005= 55-5								
(heptafluoropropoxy)propanoate Potassium 2,3,3,3-tetrafluoro-2-		62037-80-3								
(heptafluoropropoxy)propionate		:67118-55-2								
Flourtelomers (precursors)		•								
4:2 fluorotelomer sulfonate	4:2 FTS	757124-72-4								
6:2 fluorotelomer sulfonate	6:2 FTS	27619-97-2								
8:2 fluorotelomer sulfonate	8:2 FTS	39108-34-4								
1H,1H,2H,2H-Perfluorooctylacrylat	6:2 FTA	17527-29-6								



Chemical substance	Acronym	CAS Number	Test method	Target material
1H,1H,2H,2H-Perfluorodecylacrylat	8:2 FTA	27905-45-9		
1H,1H,2H,2H-Perfluorohexanol	4:2 FTOH	2043-47-2	GC-MS	
1H,1H,2H,2H-Perfluoro-1-octanol	6:2 FTOH	647-42-7		
1H,1H,2H,2H-Perfluoro-1-decanol	8:2 FTOH	678-39-7		
1H,1H,2H,2H-Perfluorododecane-1-ol	10:2 FTOH	865-86-1		

^{*}Note the general ban of PFAS in Kid/Hemtex assortment, given in section 3.5.8 of the PAR. Impurities are accepted if unavoidable in the production process, reasons must be discussed with Kid/Hemtex CR Department. Kid/Hemtex approves Bionic Finish Eco from Rudolf Group, OrganoTex from OrganoClick and Phobotex PFC-free products from Huntsman as alternatives for water repellent treatments.

4.2.5.15 Phthalates

Requirements based on REACH Annex XVII, Annex XIV, Candidate list, RoHS directive and Kid/Hemtex policy.

Chemical substance	CAS RN	Required Limit value (mg/kg)	Test method	Target material(s)
DIBP*	84-69-5	Sum of all	Extraction and GC-	PVC**
DBP*	84-74-2	listed <1000	MS, with possible	PU
BBP*	85-68-7		reference to	EVA
DEHP*	117-81-7		standards:	Rubber
DMEP	117-82-8		EN ISO 14389:2014	Paint
DNOP	117-84-0		EN ISO 18856:2005	Lacquers
DIDP	26761-40-0,		CPSC-CH-C1001-	
	68515-49-1		09.3	
DINP	28553-12-0,		ISO 8124-6	
	68515-48-0			
DHNUP	68515-42-4			
DIHP	71888-89-6			
1,2-Benzenedicarboxylic	84777-06-0			
acid, dipentylester, branched				
and linear				
DIPP	605-50-5			
N-pentyl-iso pentylphthalate	776297-69-9			
DPP	131-18-0			
Dihexyl phthalate (DnHP)	84-75-3			
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4			
1,2-Benzenedicarboxylic	68515-51-5			
acid, di-C6-10-alkyl esters	68648-93-1			
with,1,2-benzenedicarboxylic				
acid, mixed decyl and hexyl				
and octyl diesters with ≥				
0.3% of dihexyl phthalate				
DCHP (dicyclohexyl	84-61-7			
phthalate)				
Diisohexyl phthalate	71850-09-4		lirective for electrical and elec	

^{**}See separate requirement for PVC in this chapter and in PAR 3.5.8

4.2.5.16 **PVC, Polyvinylchloride**

Requirement based on Kid/Hemtex policy, section 3.5.8 of PAR.

Chemical substance	CAS No	Requirement	Test method
PVC	9002-86-2	Packaging and products shall not contain PVC. Exceptions decided by Kid/Hemtex Management can be made if specific technical and/or quality requirements exist, and if there are no equivalent materials on the market. If exception is given, plasticizers DINP, DIDP, DNOP and any plasticizers in the REACH candidate list, Bisphenols, SCCP, and the metal based stabilizers tin (Sn), cadmium (Cd) and lead (Pb) are not allowed in the PVC	Screening test: Beilstein/Flame test or XRF. (In case Positive screening test, FTIR test shall be performed) If decided exception: DINP, DIDP, DNOP and any plasticizers. See also chapters Bisphenoles, Short Chain Chlorinated Paraffines, Flame retardents, metal based stabilizers tin (Sn), cadmium (Cd) and lead (Pb) and Organotin compounds for testing methods.

4.2.5.17 **Siloxanes**

Requirements based on REACH Candidate list and the Regulation (EC) No 1223/2009 on cosmetic products

Chemical substance	CAS No	Required Limit value (mg/kg)	Test method	Target material(s)
Octamethylcyclotetrasiloxane (D4)	556-67-2	Sum <1000	GC-MS	Textiles
Decamethylcyclopentasiloxane (D5)	541-02-6			Cosmetic and
Dodecamethylcyclohexasiloxane	540-97-6			personal care
(D6)				Paper and
, ,				cardboard
				Polymers

4.2.5.18 Other product related chemicals

Chemical substance	CAS No	Required Limit value (mg/kg)	Test method	Target material(s)
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	75166-31-3 80-54-6 75166-30-2	Sum < 1000		Cleaning agents, cosmetics, in scented articles
(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-30-1	Sum < 1000		Cosmetics, sunscreen preparations.
Perchlorates	14797-73-0	60 mg/kg	LC-MS	Batteries (Lithium, coin cell)
Aniline	62-53-3	< 10 mg/kg in toys intended for children under 36 months		Toys (textile, leather, polymers)



Chemical substance	CAS No	Required Limit value (mg/kg)	Test method	Target material(s)
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	< 100	LC and GC-MS	Rubber, plastic, adhesives, inks,

4.2.6 Biocidal agents

Biocidal agents are both used as process chemicals to prohibit growth of microbes in supply chain and as product related chemicals to render biocidal property to the finished article.

Kid/Hemtex do not accept any if its products having.

- Antibacterial treatment as additives if the active substances remain in the finished product as delivered.
- Anti mould finishes

Biocides used in production, storage or transport shall meet requirements in biocide regulation 528/2012 unless stated as limited in this HPI.

Requirements based on Biocidal Products Regulation BPR (EU) 528/2012, (existing biocides), REACH (restricted biocides) POPs Regulation, Water framework directive and Kid/Hemtex Policy and guidelines.

Biocidal substances with decision of non-approval shall be phased out within 180 days from the day of decision. http://echa.europa.eu/regulations/biocidal-products-regulation/treated-articles

Note requirements for other substances also with biocide function, such as: Borate compounds, Toxic heavy metals, Organotin compounds

Chemical substance	CAS No	adults	llue (mg/kg) children <36 months*	Test method	Target materials(s)
PHMB	27083-27-8 32289-58-0	Not dete	ected	No standardised test method	Leather Textile Wood
Carbendazim	10605-21-7			GC-MS, LC- MS.	Polymers
Permethrin	52645-53-1			Textile: GC-MS, LC-MS	
				Leather: EN ISO 22517 LoQ 5 mg/kg	
Zincpyrithion	13463-41-7			GC-MS, LC-MS.	
				0,1 mg/kg	
Silver and its compounds	Several			ICP-MS, ICP- OES or AAS.	
				Detection limit 0,1 mg/kg	
Methyl Bromide	74-83-9	1,0	0,5	GC-MS, LC-	
Ortho-phenyl phenol, (2-Phenyl phenol)	90-43-7	100	50	MS	



Chemical substance	CAS No	Limit va	alue (mg/kg)	Test method	Target	
		adults	children		materials(s)	
			<36 months*			
Sodium	137-42-8	1,0	0,5			
Methyldithiocarbamate	004.40.7	0.4		100/70 10100		
Dimethylfumurate, DMFu	624-49-7	0,1	0,1	ISO/TS 16186		
Triclosan and Triclocarban	Triclosan:	Not dete	ected	EN 17134		
	3380-34-5,			(textiles) GC-		
	Triclocarban:			MS, LC-MS		
	101-20-2			Detection limit		
			1	10 mg/kg		
Cu-HDO	312600-89-8	1,0	1,0	ICP- AES		
Glutaral (Glutaraldehyd)	111-30-8	Not dete	ected	LC-UV, GC-UV		
Kathone	55965-84-9	10	1,0	GC-MS analysis		
5-Chloro-2-methyl-		7,5	0,75	after extraction	aqueous	
isothiazolin-3(2H)-one	26172-55-4			with ethyl	materials,	
2-methylisothiazolin-3(2H)- one	2682-20-4	2,5	0,25	acetate	cosmetics	
1,2,Benzisothiazol 3(2h)One	2634-33-5	1,0	0,5	-		
1,2,5611213011114201 3(211)0116	2004 00 0	1,0	0,0			
2-Octyl-2h-Isothiazol-3-One	26530-20-1	1,0	0,5			
		, -				
Parabenes (various) incl.	94-26-8	100	Not detected	GC-MS, LC-MS		
Butyl 4-hydroxybenzoate						
(Butylparaben)						
Chlorinated Phenols						
Pentachlorophenol, PCP	87-86-5,	Not dete	ected	ISO 17070	Textile	
, , ,	131-52-2			(leather)	Leather	
Tetrachlorophenols TeCP	935-95-5			XP G 08-015	Wood	
•	58-90-2			(PCP in textiles)		
	4901-51-3			Detection limit:		
	And other			0.05 mg/kg		
	isomers			CEN/TR 14823		
	TeCP			(wood)		
				EN ISO 15320		
				(Pulp, paper		
Total de de la companya de la compan				and board)		
Tributyltin compounds	56-35-9	Not dete	octod	GC-MS	Textile	
Tributyltin oxide (TBTO) Tributyltin chloride	1461-22-9	INOLUEIE	, cie u	Detection limit	Leather	
Tributyltin fluoride	1983-10-4	_		0,015 mg/kg		
Tributyltin methacrylate	2155-70-6	_				
Tributyltin benzoate	4342-36-3			Possible		
Tributyltin linoleate	24124-25-2			reference to;		
Tributyltin naphthenate	85409-17-2	_		ISO/TS 16179		
· · · · · · · · · · · · · · · · · · ·	20.00 17 2			EN ISO 17353		
				(water and		
*"Items that might come int	o contoct with	obildrop?	, one producte	sediment)	<u> </u>	

^{*&}quot;Items that might come into contact with children" are products such as bed sheet, bed set, pillow cases, towels and similar products from Kid/Hemtex's assortment.



4.2.7 Chemical testing procedure

The maximum limits shall never be exceeded in any product supplied to Kid/Hemtex. It is the supplier's responsibility to make sure that all chemical requirements are met.

Kid/Hemtex will on regular basis ask for test reports according to the below specified procedure. Kid/Hemtex reserve the right to perform inspections and tests on any ordered products, at any time and at any stage of production.

If any deviations from the requirements are found, Kid/Hemtex reserve the right to

- cancel the order,
- claim compensation or
- take any other action in accordance with the General Agreement.

All chemical testing shall be done according to instructions given in PSR Appendix 4.1, chapter 4.1.1 at laboratories approved and listed in chapter 4.1.2

Kid/Hemtex routine for testing chemicals is **based on two different way of work** and Kid/Hemtex will on regular basis ask for test reports according to below specified procedures:

- One way is random chemical testing where one nominated chemical is tested each quarter.
 The target materials to be tested are defined in the instruction sent out each quarter.
 Approximately 10% of the orders placed by Kid/Hemtex at each supplier should be tested for the specified chemical each quarter, maximum 3 orders per supplier and quarter.
- 2. The other way is that Kid/Hemtex for every order test **the basic chemicals** included in the testing chart for quality requirements in Appendix 4.1.

In addition to above two ways of working, if there in Kid/Hemtex assortment are products that could have an increased risk of finding one of the restricted chemicals, Kid/Hemtex will choose specific chemicals for these products which is required to be tested on a regular basis during the year.

If a failed test report is received a decision how to handle the actual order will be taken and an action plan will be established. Three follow up tests on suppliers following orders will be included in the action plan.

4.2.7.1 Checklist for laboratories

This checklist is to be used by the laboratories performing tests for Kid/Hemtex items. The selected test methods in this PSR shall be used to the utmost extent.

If there are published EN or EN ISO or ISO methods available always use that method and clearly report in the test protocol. If other methods are used e.g., in-house test methods, always carefully answer each section below.

In case the applied EN, EN ISO or ISO method is modified by the test laboratory, always report these modified procedures in the test report.

All test reports should be signed by an authorised person at the laboratory.

Testing

For those chemical substances to be tested, where no official international standard test method exists, the test report should include the following:

4.2.7.1.1 Sample preparation

- Amount of specimen for preparation, weight, and size
- procedure of extraction, solvents used, and equipment used for extraction e.g., Soxhlet

4.2.7.1.2 Instrumental performance

- instrument used e.g GC-MS etc.
- lab specific detection limit(s) where preferably LOQ (limit of quantification) are reported



- standard deviation in analytical results

4.2.7.1.3 Other information of importance

- describe modified procedures from applied established ISO/EN standard methods if available.
- always present test results in mg/kg
- description of the recalculation from mg/kg if the test result is presented in another unit e.g ppm, ppb, ug/kg etc

4.2.7.1.4 Instruction to the laboratory

- always present the actual test result of the analysis and not any letter combinations if not properly described e.g N/A
- if not detected, report always below the actual LOQ (< LOQ) values





4.2.8 Chemical guideline overview

Below are examples and guidelines of what chemicals can most probably be found in which materials to help minimize the risk of product failure.

Please note that the restricted and limited substances should not be found in quantities higher than stated in our requirement list in any of Kid/Hemtex products.

	Textile Material										Miscellaneous							
	Natural	Natural material			Synthetic material							Plas	stic		Mine	erals		
Substance	Cellulosic textile (ex. Cotton, Viscose, Flax)	Proteinic natural textile (ex Wool, Silk)	PU- elastan	PES	PA	Acrylic, Mod- acrylic	Prints for textile	Leather	Down	Metal	Rubb er	EVA	PU/ TPU	Mela mine	Ceramic & Glass	Gipsym	Woode n	Adhesives and glues
	Process related chemicals																	
AP, APEO	X	Х	Х	Х	Х	Х	X	Х	Х		Х							
Bisphenol A, BPA							X Thermal				Х		Х					
Chlorinated Organic Solvents and Carriers				Х		х	Х	Х		X								Х
Pesticides	Х	Х						X	Х									
PAH			Х				Х	Х			X Black	X Black	X Black	X Black				
Quaternary ammonium compounds	Х			Х	х	х	Х											
Solvents			Х			Х	Х	X Printed, coated			Х	Х	Х					Х
Tin organic compounds			Х	Х	Х	Х	Х	Х			Х	Х	Х					Х
								Pro	duct relate	d chemicals	S							
Aromatic Amines	Х	Х	Х	Х	Х	X	Х	Х										
Borate compounds																	Х	
Benzotriazols					Х	Х					Х	Х	Х					
Dyes Pigment Colorants																	X Coloured paper	





				Textil	e Mate	erial								Misce	llaneous			
	Natural	Natural material Synthetic material										Plas	stic			erals		
Substance	Cellulosic textile (ex. Cotton, Viscose, Flax)	Proteinic natural textile (ex Wool, Silk)	PU- elastan	PES	РА	Acrylic, Mod- acrylic	Prints for textile	Leather	Down	Metal	Rubb er	EVA	PU/ TPU	Mela mine	Ceramic & Glass	Gipsym	Woode n	Adhesives and glues
- CMR	X	Χ	Х	X	Х	Х	Х	Х										
- Allergenic Dyes				Х	Х	Х	Х											
- Pigment Salts							X			Х	X	X	X	Х	Х			
Flame retardents	Х	X	Х	Х	Х		Х						Х					
Formaldehyde	Х	Χ					Х	Х						Х			Х	Х
Toxic Heavy Metals & their compounds; - Antimony, Sb				X														
- Artimony, Sb				^											X	X	Х	
- Arsenic, As - Cadmium, Cd			Х	X	Х		X	X		X	Х	Х	X		×	^	X	
- Chromium VI and its compounds - Chromium, Cr		Х			х			Coated		Enameld X Chromating								
- Cobalt, Co		х			х					X Deep blue green					X Deep blue green			
- Copper, Cu		Х			Х					g. 55					g. 55		Х	
- Lead, Pb							Х			X Brass	Х	Х	Х		X Black			
- Mercury, Hg							Х			Х	X	Х	X			Χ	Х	
- Nickel, Ni										Х								
PFAS	X Water repellent anti-pilling	X Anti-pilling		Water r	X epeller pilling	it	X Surfacta nt	X Coated	х	X Chromating								
Phthalates			Х				Х	Х			Χ		Х					Х
PVC							Х								X Printed			
Biocidal agents	Х	Х	Х	Х	Х	Х	Х	Х	Х		X	Х	X				Х	Х





4.2.9 Revision log vers. 1.3: Chapter 4.2 PSR Chemical.

404	
4.2.1	Added:
	- Directive 2009/48/EC EU Toy Safety Directive
	- Regulation (EC) No 1223/2009 Regulation on Cosmetic Products
4.2.2	- Revised latest update of the Candidate List.
	- Added When SVHCs listed as exemptions in RoHS are used in EEE products, the supplier shall inform Kid/Hemtex.
4.2.3.1	Added Leather and electric equipment as target material
4.2.3.2	Added Bisphenol B; BPB
4.2.3.4	Added whole section if Isocyanates
4.2.3.6	- Revised limit value for toys and childcare articles to match general requirement of 0,2 mg/kg
	- Clarified the full name of Benzo(a)phenanthrene under Chrysene
	- Added (Also anthracene oil distillation fractions) under Anthracene
	- Added Neoprene as target material
4.2.3.7	Added cosmetics as target material
4.2.3.8	Added (foamed) PE as target material for ADCA
	Added paper as target material for Formamide
	Added 1,4 dioxane
4.2.3.10	Added tris(2-methoxyethoxy)vinylsilane
	Added Epoxy resins (in glues, adhesives, paints) as target material for EDA
	Added Imidazoles
4.2.4.1	Added entry 72 as a source of requirements
4.2.4.2	Added Orthoboric acid, sodium salt, e.g
4.2.4.5	Added:
	- REACH authorization list (Annex XIV) to the source of requirements
	- Bis(2-(2-methoxyethoxy)ethyl)ether (tetraglyme/TEGDME)
	- Bis(2-methoxyethyl) ether (diglyme/DEGDME)
4.2.4.6	Added gypsum as target material for Antimony
	Under Chlorinated Paraffins:
	- Revised test method to EN ISO 22818
	- Added PVC as target material
	Under Phosphate and phosphonium based FR:
	- Clarified test methods (for non-textile and textile materials)
	- Added Rubber as target material
	- Added Isopropylated phenyl phosphate (3:1)
4.2.4.8	ISO 10195 has been added as test method for pre-ageing of leather
4.2.4.9	Added Cement as target material for Hexavalent Chrome, ceramics for Lead and gypsum for Mercury
4.2.4.10	Removed bromine and chlorine from this section
4.2.4.11	- Added Still, if levels from exceptions exceeds 1000 mg/kg the supplier must inform Kid/Hemtex. The supplier shall in that case also provide SCIP-registration
	number to Kid/Hemtex for the item containing SVHC above 0,1%. Related to exceptions in the RoHS directive
	- Removed bromine and chlorine from the XRF test





4.2.4.14	Added Note the general ban of PFAS in Kid/Hemtex assortment, given in section 3.5.8 of the PAR
4.2.4.16	Added BPA in requirements for exceptions.
4.2.4.17	Added Regulation (EC) No 1223/2009 on cosmetic products as source of requirements
4.2.4.18	Added the section Other product related chemicals to cover substances that are not related to other substance groups but regulated in any regulation/directive or by
	Kid/Hemtex:
	- 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers
	- (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)
	- Perchlorates
	- Aniline
	- 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)
4.2.5	Glutaral is added as a biocide.
	Wood is added as target material under Chlorinated Phenols
	ISO 22517 is added as test method for permethrin
4.2.5.6	Added foam as target material
4.2.7	Section revised with new text: All chemical testing shall be done according to instructions given in PSR Appendix 4.1, chapter 4.1.1 at laboratories
	approved and listed in chapter 4.1.2.
	New section 4.2.7.1 Checklist for laboratories is added (based on the Swedish Textile Importers 2022-version of the chemical's guidance)