

H&M GROUP CHEMICAL RESTRICTIONS 2026

Restricted substances list (RSL)

Toys

Product Compliance Valid for all brands in the H&M Group



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General

H&M Group Chemical Restrictions consist of several parts regarding different product types; this document concerns Chemical Restrictions for Toys.

An introduction to and general information about the H&M Group Chemical Restrictions are available in a separate document: H&M Group Restricted Substance List (RSL) Introduction and Commitment – All Product Types. Please read that document and refer to the examples provided there, before proceeding with the product specific restrictions.

Each limit specified in this document is valid for homogeneous parts of the concerned product if not otherwise stated. Test methods are specified when relevant in this document. In case of undated test method, the latest version is valid

Definitions

Concentration Limit	The substance must not be present in the product at concentrations above this limit.
Usage ban	The substance must not be used in production, and it must not be added to the product ¹ .
Homogeneous	Uniform composition throughout, i.e. a material that cannot be mechanically disjointed into different materials.
Safety Data Sheets	All chemicals used should have Safety Data Sheets, SDS, showing that they do not contain restricted substances. More information about SDS can be found in the AFIRM Toolkit ² , appendix H.
Substances defined as hazardous due to intrinsic properties.	Persistent, bioaccumulative and toxic (PBT), very persistent and very bioaccumulative (vPvB), carcinogenic, mutagenic and toxic for reproduction (CMR), endocrine disruptors (ED) or equivalent concern

Abbreviations

CAS no	Chemical Abstracts Service number, an identification number for chemicals in this database.
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
ppm	Parts per million, which is the same as mg/kg.
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
SVHC	Substances of Very High Concern
SDS	Safety Data Sheet

¹ Impurities at low concentrations of these substances may be accepted only if technically unavoidable due to e.g. raw materials, formation in the manufacturing process, storage or packaging.

² www.afirm-group.com/toolkit/

Requirements

General requirements	
H&M Group Chemical Restrictions – Textile Products, Accessories, Footwear, Bags and Belts	All soft toys, dress-up costumes, and accessories included with dress-up costumes must comply with the H&M Group Chemical Restrictions for Textile Products, Accessories, Footwear, Bags and Belts, for both production and product requirements.
H&M Group Chemical Restrictions – Chemical products	Toys that are also chemical products as pens, crayons and paint must comply with requirements in H&M Group Chemical Restrictions Chemical products.
H&M Group Chemical Restrictions – Cosmetic products	For toys that are also cosmetic products, the content/formula of the product must comply with requirements in H&M Group Chemical Restrictions Cosmetic Products.
H&M Group Chemical Restrictions – Non-Commercial Goods (NCG), Construction and Packaging	If the toy is sold in a packaging, this must also comply with H&M Group Chemical Restrictions Non-Commercial Goods (NCG), Construction and Packaging.

Toy standards – applicable for all markets		
European Standards for Safety of Toys EN 71 ³	All toys must comply with and be tested according to the latest valid edition of stated EN 71 Toy standards.	Applicable material and type of toy to be tested
	EN 71-3: Migration of certain elements	All toy material
	EN 71-7: Finger paints - Requirements and test methods	Finger paints
	EN 71-10: Organic chemical compounds - Sample preparation and extraction	All toy material
	EN 71-11: Organic chemical compounds – Methods of analysis	All toy material
	EN 71-12 : N-Nitrosamines and N-nitrosatable substances	Elastomers and finger paint
	EN 71-15: Formamide in foam toy materials (content)	Foam
	EN 71-16: Certain chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP) in toy materials	Plastics/polymeric, coatings, textile materials, synthetic leather
	EN 71-17: Certain isothiazolinones (MIT, CIT, BIT) in aqueous toy materials	Aqueous/water-based materials
	EN 71-18: Phenol in aqueous and polymeric toy materials	Phenol content: Water-based materials Phenol migration: Polymeric materials
EN 71-19: Migration of bisphenol A from toy materials	All polymeric materials like plastic, coatings, rubber, synthetic leather	
Toy Safety Standards ISO 8124	ISO 8124 is a series of standards that partially overlap with EN 71. For distribution outside Europe, toys must comply with ISO 8124. In addition, many countries adopt ISO 8124 directly as national standards (e.g., AS/NZS ISO 8124); compliance with these national versions must also be ensured. In cases where certain requirements are not covered by the EN 71 series, the relevant ISO 8124 standards must be applied to ensure full compliance.	
ASTM F963	All toys must comply with and be tested for valid edition of US Standard ASTM F963.	

³ A new series of EN 71 standards is under review which takes precedence over the current EN 71 standards test method once implemented.

Country specific standards/test/law requirements		
Market	Standard/Test/Law	Requirement
EU	EU Toy Safety Regulation	Stricter requirements on chemicals. The existing ban on carcinogenic and mutagenic substances and substances toxic for reproduction (CRM) is extended to chemicals that are particularly harmful to children, such as endocrine disruptors, substances that harm the respiratory system, and chemicals that are toxic for the skin and other organs. The new rules also ban the intentional use of per- and polyfluorinated alkyl substances (PFAS) and the most dangerous types of bisphenols. Allergenic fragrances will be prohibited in toys for children under 3 and in toys designed to be placed in the mouth.
Australia	AS/NZS ISO 8124	All toys for the Australian market must comply with and be tested according to the latest valid edition of AS/NZS ISO 8124.
China	GB 31701-2015 Safety Technical Code for Infants and Textile Products (phthalates and total lead and cadmium) And GB 6675.1-2014 Phthalate content GB 6675.4-2014 Migration of certain elements	Disguise costumes including accessories to costumes shall comply with GB 31701-2015 and GB 6675.4-2014. The Phthalate contents in plasticized material shall comply with GB 6675.1-2014 table 2. Soft toys shall comply with GB 6675.4-2014. Please see separate Test Routine for Soft Toys and Disguise Costumes for China .
Japan	Japanese Food Sanitation Law (JFSL)	All toys for the Japanese market must comply with and be tested according to Japanese Food Sanitation Law (JFSL) Section IV "Toys". Tests should be performed at an official MHLW registered laboratory ⁴ who will issue certificate of analysis showing compliance.
USA	CPSIA	All toys for the US market must be tested for lead and phthalates according to the CPSIA routine found on Inside. A certificate should be made based on the third-party test results.

⁴ A list of the official MHLW registered laboratories can be found at the following MHLW website: <http://www.mhlw.go.jp/english/topics/importedfoods/1-10.html>

Chile	Decree No 114 of 2005 (Regulations on Toys Safety)	<p>Toys and children's articles containing toluene more than 170 ppm are not allowed to be distributed or sold in Chile.</p> <p>Toys and Children's articles importing to Chile shall be accompanied by a certification showing that the content of toluene does not exceed the requirement above.</p>
India	<p>IS 9873 (part 3)-Migration of certain elements.</p> <p>IS 9873 (part 9)-Certain Phthalates Esters.</p>	All toys shipped to India needs to be BIS certified and the Toys products should be tested as per Indian Standard (IS 9873) for physical & chemical testing from BIS accredited labs.

Requirements based on classification	
Allergenic fragrances	Allergenic fragrances are prohibited in toys for children under 3 and in toys designed to be placed in the mouth.
CMR - Carcinogenic, Mutagenic or toxic for Reproduction	Substances that are classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 shall not be used in toys, in components of toys or in micro-structurally distinct parts of toys.

Material requirements	
Polycarbonate (PC) plastic	Usage ban

Restricted substance	CAS no	Concentration Limit			Applicable Materials							Test method/ Standard	
					Plastic	Rubber	Coating Printing	Metal	Natural fibres	Synthetic fibres	Paper Wood		Aqueous material
Polycyclic Aromatic Hydrocarbons (PAHs)													
		Cat. 1: Materials intended to be placed into the mouth. Toys for children up to 3 years of age	Cat. 2a: Materials with long-term skin contact (more than 30 s) or repeated short- term skin contact	Cat. 3a: All other materials in toys	●	●	●						AfPS GS 2019: Reporting limit 0.2 ppm
Benzo[a]anthracene	56-55-3	< 0.2 ppm	< 0.2 ppm	< 0.5 ppm									
Benzo[a]pyrene	50-32-8												
Benzo[b]fluoranthene	205-99-2												
Benzo[e]pyrene	192-97-2												
Benzo(g,h,i)perylene	191-24-2												
Benzo[j]fluoranthene	205-82-3												
Benzo[k]fluoranthene	207-08-9												
Chrysene	218-01-9												
Dibenzo[a,h]anthracene	53-70-3												
Indeno(1,2,3-c,d)pyrene	193-39-5												

Restricted substance	CAS no	Concentration Limit			Applicable Materials							Test method/ Standard	
					Plastic	Rubber	Coating Printing	Metal	Natural fibres	Synthetic fibres	Paper Wood		Aqueous material
Acenaphthene	83-32-9	Sum < 1 ppm	Sum < 5 ppm	Sum < 20 ppm									
Acenaphthylene	208-96-8												
Anthracene	120-12-7												
Fluoranthene	206-44-0												
Fluorene	86-73-7												
Phenanthrene	85-01-8												
Pyrene	129-00-0												
Naphthalene	91-20-3	< 1 ppm	< 2 ppm	< 10 ppm									
Sum of 18 PAH	Various	< 1 ppm	< 5 ppm	< 20 ppm									
Bisphenol A	80-05-7	0.04 mg/l (migration limit)			●		●			●			EN 71-19
Styrene	100-42-5	0.75 mg/l (migration limit)			●	●	●						EN 71-10 and EN 71-11
Formamide	75-12-7	Foam material: 200 mg/kg (total amount)			●	●							EN 71-15
Formaldehyde	50-00-0	Textile components of toys intended for children ≤ 3 years of age. Each part of the product (e.g., main fabric, print, fusing and binding) must comply with the restriction limit: (A-A ₀) < 0.05 (16 mg/kg). The whole order must fulfil this requirement.			●	●	●		●	●	●		Textile: JIS L 1041, Method A (Reporting limit: 5 mg/kg) or ISO 14184-1 (Reporting limit 16 mg/kg)

Restricted substance	CAS no	Concentration Limit	Applicable Materials								Test method/ Standard	
			Plastic	Rubber	Coating Printing	Metal	Natural fibres	Synthetic fibres	Paper Wood	Aqueous material		
		<p>Textile components of toys intended for children > 3 years of age must comply with the restriction limit: 75 mg/kg.</p> <p>Leather components of toys intended for Children ≤ 3 years of age must comply with the restriction limit: 30 mg/kg</p> <p>Paper components of toys intended for Children ≤ 3 years of age must comply with the restriction limit: 30 mg/kg. Children > 3 years of age must comply with the restriction limit: 75 mg/kg. If an order includes products intended for children under 3 years of age, the whole order must fulfil this requirement.</p> <p>Resin-bonded wood components of toys shall not release formaldehyde more than 0.1 ml/m³</p> <p>Polymeric components of toys intended for children ≤ 3 years of age must comply with the restriction limit: 1.5 mg/l (migration limit).</p>									<p>Leather: ISO 17226-1</p> <p>Plastic, Rubber, Coating and Printing: EN 71-10 and EN 71-11</p> <p>Paper: EN 645 and EN 1541 (Reporting limit 5 mg/kg)</p> <p>Wood: EN 717-1</p>	
Phenol	108-95-2	<p>In polymeric materials including polymeric coating if thicker than 500 µm: 5 mg/l (migration limit)</p> <p>As a preservative in water-based toy-material: 10 mg/kg (total amount)</p>	●	●	●					●	EN 71-18	
Isothiazolinones												
BIT (1,2-Benzisothiazol-3 (2H)-one)	2634-33-5	≤ 5 mg/kg (total amount) for aqueous material									●	EN 71-17

Restricted substance	CAS no	Concentration Limit	Applicable Materials							Test method/ Standard	
			Plastic	Rubber	Coating Printing	Metal	Natural fibres	Synthetic fibres	Paper Wood		Aqueous material
CMI and MI (3:1 mixture) (5-Chloro-2-methyl-4- isothiazolin-3-one and 2- methyl-2H-isothiazol-3- one (3:1))	55965-84-9	≤ 1 mg/kg (total amount) for aqueous material								●	EN 71-17
CMI (5-Chloro-2- methylisothiazolin-3 (2H)-one)	26172-55-4	≤ 0.75 mg/kg (total amount) for aqueous material								●	EN 71-17
MIT (2-methylisothiazolin-3 (2H)-one)	2682-20-4	≤ 0.25 mg/kg (total amount) for aqueous material								●	EN 71-17
Flame retardants											
TCEP (Tris (2-chloroethyl) phosphate)	115-96-8	5 mg/kg each for children under 36 months and in other toys intended to be placed in the mouth					●	●			EN 71-16
TDCP (Tris(1,3-dichloro- isopropyl) phosphate)	13674-87-8										
T CPP (Tris(1-chloro-2- propyl)phosphate)	13674-84-5										

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Restricted substance	CAS no	Concentration Limit	Applicable Materials						Test method/ Standard		
			Plastic	Rubber	Coating Printing	Metal	Natural fibres	Synthetic fibres		Paper Wood	Aqueous material
Aniline	62-53-3	30 mg/kg after reductive cleavage in textile toy material and leather toy material 30 mg/kg after reductive cleavage in finger paints					●	●		●	Textile: EN ISO 14362-1 Leather: EN ISO 17234-1
Toluene	108-88-3	170 ppm	All Material types used for Toys and meant to be shipped to Chile.						Headspace GC/MS analytic method		

Version history table

Version	Date	Valid from	Changes made	Page or Chapter
8	08/12/2025	01/02/2025	Updated EN 71 standards and related test methods	Page 6
8	08/12/2025	01/02/2025	Added ISO 8124 standards	Page 6
8	08/12/2025	01/02/2025	Added reference to EU Toy Safety Regulation	Page 7
8	08/12/2025	01/02/2025	Added allergenic fragrances ban	Page 8
8	08/12/2025	01/02/2025	Removed styrene-based polymers usage ban	Page 8
7	25/11/2024	01/02/2025	Added styrene-based polymers usage ban	Page 8
6	01/12/2023	21/08/2023	Toluene tests added for Chile market	Page 6,10
6	01/12/2023	01/02/2024	Indian Standard test method added for India market	Page 6
6	29/01/2023	01/02/2024	Formaldehyde test requirement updated for resin-bonded wood component	Page 9
6	29/01/2023	01/02/2024	Formaldehyde test requirement added for water-based Toy material	Page 9
6	29/01/2023	01/02/2024	T CPP test has been added under Flame retardants	Page 10