



Restricted Substance List (RSL)

Toys

Table of Contents

General.....	3
Commitment.....	3
Examples.....	4
Definitions.....	5
Abbreviations.....	5
Requirements – All Toys.....	5
Additional requirements to EN 71-3 and EN 71-12.....	7
Plastic and Rubber.....	8

General

H&M has with concern for the health of customers as well as for the environment and working conditions, established H&M Chemical Restrictions for all products. H&M Chemical Restrictions consist of several parts with regard to product types. This document concerns all toys. Each limit in H&M Chemical Restrictions is valid for homogeneous parts of the concerned product. Test methods and standards are specified but in case of undated test method or standard, the latest version is valid.

If the product is sold in a packaging, it must comply with *H&M Chemical Restrictions Packages*¹. All toys should also follow restrictions for respective material in *H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products*¹. Toys which also are chemical products as pens, crayons and paint have to meet additional requirements in *H&M Chemical Restrictions Chemical products*¹.

In addition to this part of the H&M Chemical Restrictions, production of Toys must also fulfill H&M Chemical Restrictions regarding the Manufacturing Restricted Substance List (MRSL). These documents are to be found on the Supplier Portal as well as on www.hm.com/chemical-restrictions.

The official and valid version of this document is in English. Any translation of the document is prepared for reference only. H&M accepts no liability for any mistakes done in the translation.

Commitment

By accepting H&M Standard Purchase Conditions, the Supplier commits to comply with H&M Chemical Restrictions. It is the Supplier's responsibility to assure compliance with H&M Chemical Restrictions and to inform all their downstream suppliers and subcontractors about the content of H&M Chemical Restrictions.

By accepting H&M Standard Purchase Conditions, each Supplier acknowledges that H&M reserves the right to:


- *Inspect and test any product, any part of production and/or packaging, by any listed or appropriate method, at any time or at any stage of production.*
- *Cancel the Order, or, if the products are already delivered, return the products to the Supplier if the product, production and/or packaging do not correspond to the H&M Chemical Restrictions.*
- *Hold the Supplier responsible for any damage caused by the ordered product if the product, production and/or packaging do not correspond to the H&M Chemical Restrictions.*
- *Receive the Safety Data Sheets (SDS) for all substances and preparations (dyes, colorants, solvents, chemicals etc.) used in the production of a specific Order.*

In the case of contradictory test results, H&M test results will prevail.

¹ Publicly available

Examples

All details on your product must comply with H&M Chemical Restrictions. The examples do not claim to be complete.

	<ul style="list-style-type: none">➤ Soft toys Follow H&M Chemical Restrictions Toys Follow H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products ➤ Art material (pens, crayons, paint and fancy sticky tape) Follow H&M Chemical Restrictions Toys Follow H&M Chemical Restrictions Chemical Products Follow H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products ➤ Costumes Follow H&M Chemical Restrictions Toys Follow H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products ➤ Accessories for dressing up, i.e. wings and headband used for dressing up as a unicorn. Follow H&M Chemical Restrictions Toys Follow H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products ➤ Lip balm in a toy-like packaging <i>Packaging:</i> Follow H&M Chemical Restrictions Toys Follow H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products <i>Content:</i> Follow H&M Chemical Restrictions Cosmetics ➤ Others
--	--

Definitions

Concentration Limit	The substance must not be present in the product at concentrations above this limit.
Homogeneous	Uniform composition throughout, i.e. a material that cannot be mechanically disjointed into different materials.
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.
ppm	Parts per million, which is the same as mg/kg.
REACH	Registration, Evaluation, Authorisation and restriction of Chemicals
SVHC	Substances of Very High Concern

Requirements – All Toys

Requirement	Limit/Requirement
H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products	All toys must comply with and be tested for risky chemicals in H&M Chemical Restrictions Apparel / Accessories / Footwear / Home Interior Textile Products
H&M Chemical Restrictions Chemical products	Toys which also are chemical products as pens, crayons and paint have to comply with additional requirements in H&M Chemical Restrictions Chemical products.
EU Toy Safety Directive 2009/48/EC	All Toys must comply with EU Toy Safety Directive 2009/48/EC including its amendments.
European Standards for Safety of Toys EN 71	All Toys must comply with and be tested for valid edition of EN 71-3 as well as EN 71-5, EN 71-9, EN 71-10, EN 71-11 and EN 71-12 if relevant for the type of toy. All Toys must also comply with the additional requirements for lead, N-nitrosamines and N-nitrosatable substances listed below. These limits differ from those in EN 71-3 and EN 71-12.
ASTM F963	All Toys must comply with and be tested for valid edition of US Standard ASTM F963.
AS/NZS ISO 8124-3	All Toys for the Australian market must comply with and be tested for valid edition of AS/NZS ISO 8124-3.

Requirement	Limit/Requirement
PNS/BHDT ISO 8124-3	All Toys for the Philippine market must comply with and be tested for valid edition of Philippine National Standard PNS/BHDT ISO 8124-3.
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 ² who will issue certificate of analysis showing compliance.
NB-TOYS/2012/26, EC type approval protocol No. 2 Microbiological safety of toys containing aqueous media	All Toys containing aqueous media which the child is likely to become exposed to during normal or foreseeable use of the toys must comply with NB-TOYS/2012/26, EC type approval protocol No. 2
SVHC Check the ECHA website for the updated Candidate List of Substances of Very High Concern for Authorisation ³	1000 ppm in each homogenous part of the product, except if lower limit as per other part of this document.
Substances defined as hazardous due to intrinsic properties Criteria for hazardous as defined in REACH Article 57 ⁴	1000 ppm, except if lower limit applies as per other parts of this document

² 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>

³ http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

⁴ REACH Regulation (EC) No 1907/2006 <http://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:02006R1907-20150601&from=EN>

Additional requirements to EN 71-3 and EN 71-12⁵

Restricted substance	CAS no	Concentration Limit	Test method/Standard
Lead			
In scraped of toy material	7439-92-1	90 ppm	EN 71-3
N-nitrosamines⁶, Migration			
N-nitrosodiethanolamine	116-54-7	<0.01 ppm	EN 71-12
N-nitrosodimethylamine	62-75-9		
N-nitrosodiethylamine	55-18-5		
N-nitrosodipropylamine	621-64-7		
N-nitrosodiisopropylamine	601-77-4		
N-nitrosodibutylamine	924-16-3		
N-nitrosodiisobutylamine	987-95-5		
N-nitrosodiisononylamine	1207995-62-7		
N-nitrosopiperidine	100-75-4		
N-nitrosopyrrolidine	930-55-2		
N-nitrosomorpholine	59-89-2		
N-nitrosodibenzylamine	5336-53-8		
N-nitroso-N-methylaniline	614-00-6		
N-nitroso-N-ethylaniline	612-64-6		
Other N-nitrosamines	Various		
N-nitrosatable substances⁶, Migration			
Sum of N-nitrosatable substances ⁷		<0.1 ppm	

⁵ All toys have to comply with the migration limits in EN 71-3 and EN 71-12 (if applicable), as well as comply with these additional requirements due to a German exception.

⁶ Only for natural or synthetic rubber in toys intended for children under 36 months of age which are intended or foreseeable placed in the mouth.

⁷ Calculated as the sum of all detected N-nitrosamines after nitrosation, see EN 71-12

Plastic and Rubber

Restricted substance	CAS no	Concentration Limit	Test method/Standard
Polyaromatic hydrocarbons (PAH)			
Benzo[a]anthracene	56-55-3	<0.5 ppm	AfPS Extraction with toluene followed by GC-MS analysis (reporting limit 0.2 ppm)
Benzo[a]pyrene	50-32-8	<0.5 ppm	
Benzo[b]fluoranthene	205-99-2	<0.5 ppm	
Benzo[e]pyrene	192-97-2	<0.5 ppm	
Benzo(g,h,i)perylene	191-24-2	<0.5 ppm	
Benzo[j]fluoranthene	205-82-3	<0.5 ppm	
Benzo[k]fluoranthene	207-08-9	<0.5 ppm	
Chrysene	218-01-9	<0.5 ppm	
Dibenzo[a,h]anthracene	53-70-3	<0.5 ppm	
Indeno(1,2,3-c,d)pyrene	193-39-5	<0.5 ppm	
Acenaphthene	83-32-9	The sum < 10 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	<2 ppm	
Sum of 18 PAH		<10 ppm	