

Maisons du Monde Chemical Requirements

V7.0 July 2021

Major modifications from V6.0 to V7.0 are yellow highlighted.

New Requirements apply from all orders signed on or after 1st August 2021.

Introduction

In order to respect product legislation in our selling countries and to assure our customers a high level of safety during the use of our articles, Maisons du Monde needs to be sure that **all products put on the market respect the chemical requirements** described in this document.

Our purpose is to work with you in order to achieve this goal. Consequently, if you have any question, remarks, need of technical advice, you should contact us so that we work hand in hand to achieve the manufacturing of safe products.

Explanations about the RECh Regulation (Regulation (EC) No 1907/2006), the General Product Safety Directive (Directive 2001/95/EC) and the Biocidal Regulation (Regulation (EU) No 528/2012), as well as the POP regulation (Regulation (EC) No **2019/1021 (replace 850/2004)** are given in Annex I, II, III and IV.

Material Matrixes for major materials are given in the second part of the document and will help you to have a good overview of the chemical requirements material by material.

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Prohibited Substances

REACH Restrictions

All products delivered to Maisons du Monde **should respect the restrictions** from REACH annex XVII. Restrictions are substances or family of substances which should not, under certain conditions, be present in articles.

Suppliers need to grade their products to determine the restrictions applying to them.

The following table lists some of the **major restrictions** applying to products. This table is an information source for suppliers to help them define restrictions applying to the products delivered to Maisons du Monde. This table doesn't list all restrictions; the complete Annex XVII should be consulted on <https://echa.europa.eu/substances-restricted-under-reach>.

Entry no	Substance Name	CAS Number	Product type	Limit
4	Tris (2,3 dibromopropyl)phosphate	126-72-7	Flame-retardant products	Not detectable
7	Tris(aziridinyl)phosphin oxide	545-55-1	Flame-retardant products	Not detectable
8	Polybromobiphenyls; Polybrominated biphenyls (PBB)	59536-65-1	Flame-retardant products	Not detectable
19	Arsenic compounds	various	Wood	25mg/kg
20	Organostannic compounds	various	Plastics	0.1% (1000mg/kg)
23	Cadmium	7440-43-9	Plastics, metal in jewelry	0.01% (100mg/kg)
27	Nickel	7440-02-0	Metal items intended to come into direct and prolonged contact with the skin	0.5µg/cm ² /week
43	Azocolourants and Azodyes	See Annex XVII	Textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity	30mg/kg
45	Diphenylether, octabromo derivative (OctaBDE) C ₁₂ H ₂ Br ₈ O	32536-52-0	Flame-retardant products	0.1% (1000mg/kg)
46a	Nonylphenol ethoxylates (NPE) (C ₂ H ₄ O) _n C ₁₅ H ₂₄ O	various	Textile, Leather	0.01% (100mg/kg)
47	Chromium VI compounds	various	Leather and leather parts coming into contact with the skin	3mg/kg after ageing
50	Polycyclic-aromatic hydrocarbons (PAH)	50-32-8 192-97-2 56-55-3 218-01-9 205-99-2 205-82-3 207-08-9 53-70-3	Plastics and plastic coated materials (ex : synthetic leather) in direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	1mg/kg of each listed PAH except for Toys and Childcare articles 0.5mg/kg
51 before 7/7/2020	Phthalates : (a) Bis (2-ethylhexyl) phthalate (DEHP) (b) Dibutyl phthalate (DBP) (c) Benzyl butyl phthalate (BBP)	(a) 117-81-7 (b) 84-74-2 (c) 85-68-7	Toys and childcare articles	0.1% (1000mg/kg)

51	Phthalates : after 7/7/2020 (a) Bis (2-ethylhexyl) phthalate (DEHP) (b) Dibutyl phthalate (DBP) (c) Benzyl butyl phthalate (BBP) (d) Diisobutyl phthalate (DIBP)	(a) 117-81-7 (b) 84-74-2 (c) 85-68-7 (d) 84-69-5	Plasticized materials (with some exemptions not concerning Maisons du Monde products) Examples of plasticized materials : - PVC, polyvinyl acetate (PVA), as well as any other plastics, except polyolefins (PE, PP), - rubber - polyurethanes and any other foam rubber or foam plastic, - surface coatings, non-slip coatings, finishes, decals, printed designs, - adhesives, sealants, paints and inks.	0.1% (1000mg/kg) (sum of the 4 phthalates)
52	Phthalates : (a) Di-isononyl phthalate (DINP) (b) Di-isodecyl phthalate (DIDP) (c) Di-n-octyl phthalate (DNOP)	28553-12-0 and 68515-48-0 26761-40-0 and 68515-49-1 117-84-0	Toys and childcare articles	0.1% (1000mg/kg)
61	Dimethylfumarate (DMFu)	624-49-7	All articles	0.1mg/kg
63	Lead and its compounds	7439-92-1	Jewelry articles and all articles which can be placed in the mouth by children (furniture's, decorations, ...)	0.05% (500mg/kg)
72	Listed carcinogenic, germ cell mutagenic and reproductive toxic substances: (a) Cadmium, Chrome VI, Arsenic, Lead compounds (b) Benzene (c) 8 Polycyclic Aromatic Hydrocarbons (PAHs) (d) 3 Chlorotoluenes (e) Formaldehyde (f) 5 Phthalates (g) Dimethylformamide (DMFo), Dimethylacetamide (DMAc), and N-methylpyrrolidone (NMP) (h) Disperse Blue 1, Basic Red 9, Basic Violet 3 (i) 4 aromatic amines (j) Quinoline	Refer to Annex V – REACH Annex XVII carcinogenic, germ cell mutagenic and reproductive toxic substances in Textiles	Textile materials used in clothing, footwear and other which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing.	(a) 1mg/kg (extractible) (b) 5mg/kg (c) 1mg/kg (d) 1mg/kg (e) 75mg/kg (f) 1000mg/kg (g) 3000mg/kg (h) 50mg/kg (i) 30mg/kg (j) 50mg/kg

Table 1: List of major REACH restrictions

POP restrictions

All products delivered to Maisons du Monde **should be free of substances listed in Annex I** of the regulation on Persistent Organic Pollutants (Regulation (EC) No **2019/1021** which replace 850/2004).

Suppliers need to grade their products to determine the restrictions applying to them.

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The following table lists some of the **major substances' restriction** applying to products. This table is an information source for suppliers to help them define which substances could be present in the products delivered to Maisons du Monde. This table doesn't list all substances, the complete list should be consulted on the last available consolidated version : <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32019R1021>.

Substance Name	CAS Number	Product type	Limit
Tetrabromodiphenyl ether C₁₂H₆Br₄O	various	Flame-retardant products/materials	10mg/kg
Pentabromodiphenyl ether C₁₂H₅Br₅O	various	Flame-retardant products/materials	10mg/kg
Hexabromodiphenyl ether C₁₂H₄Br₆O	various	Flame-retardant products/materials	10mg/kg
Heptabromodiphenyl ether C₁₂H₃Br₇O	various	Flame-retardant products/materials	10mg/kg
Bis(pentabromophenyl)ether = Decabromodiphenyl ether (decaBDE)	1163-19-5	Flame-retardant products/materials	10mg/kg
Perfluorooctane sulfonic acid and its derivatives (PFOS) C₈F₁₇SO₂X (X = OH, Metal salt (O-M⁺), halide, amide and other derivatives including polymers)	various	Anti-stain or water repellent treated textiles and leathers	1 µg/m ² of the coated material
Hexabromocyclododecane (HBCDD)	25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	Flame-retardant products/materials	100mg/kg
Alkanes C10-C13, chloro (Short-Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	Leather and Flame-retardant products/materials or plasticized materials	0.15% (1500mg/kg)
Perfluorooctanoic acid (PFOA) and its salts and related substances.	335-67-1	Anti-stain or water repellent treated textiles and leathers	25µg/kg for PFOA and 1000 µg/kg for related substances
Pentachlorophenol and its salts and esters (PCP)	87-86-5 and others	Textile, Leather, Wood & Wood-based products and Paper	5mg/kg in Leather 5mg/kg in Wood and Paper 0.5mg/kg in Textile (except Textile in Toys and Childcare Articles : 0.05mg/kg)

Table 2: List of major POP restrictions

Note 2021 : DecaBDE & PFOA were previously regulated under REACH Restrictions and PCP has been included in POP regulation, but was already restricted by Maisons du Monde. So they are not new requirements

REACH Candidate List substances

All products delivered to Maisons du Monde should **not contain Substances of Very High Concern** from the Candidate List above **0.1% (1000mg/kg) weight by weight (w/w)**, this percentage being related to each component/material composing the product.

The following table lists some of the major family of candidate list substances related to the products. The table is an information source for the supplier to help him to define candidate list substances which can be found in the products delivered to Maisons du Monde. This table doesn't list all candidate substances, the complete and up-to-date list should be consulted at <http://echa.europa.eu/web/guest/candidate-list-table>.

Substance family	Technical function	Product type	Limit
Phthalates ¹	Plasticizer	Coated articles, screen-printed articles, PVC	0.1% (1000mg/kg) 0.05% for junior products* (500mg/kg)
Organic solvents : - 2,2'-dichloro-4,4'-methylenedianiline (MOCA) - Dimethylformamide (DMFa) - N,N-dimethylacetamide (DMAC) - 1-Methyl-2-pyrrolidone (NMP)	Solvent	Acrylic fibers, polyurethane	0.1% (1000mg/kg)
Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	Surfactant	Anti-stain or water repellent treated textiles and leathers	0.1% (1000mg/kg)
Glutaral	Tanning agent	Leather	0.1% (1000mg/kg)
Medium Chain Chlorinated Paraffins (MCCP)	Flame retardant and secondary plasticizer	Coated articles, plastics	0.1% (1000mg/kg)
Lead	Metal as it, in alloys or solders	Metal parts, solders	0.1% (1000mg/kg)

Table 3 : List of major candidate list substances

* : Junior products are all toys, childcare articles and furniture/decoration products intended to be used/placed in a junior (less than 16 years old) environment. All products in our Junior catalog are in this scope.

US CPSIA

All products delivered to Maisons du Monde should respect the US Consumer Product Safety Act (CPSA) as modified by Consumer Product Safety Improvement Act (CPSIA) (codified in Title 15 of United States Code §§ 2051–2084 and in the Code of Federal Regulations Title 16 parts 1101-1406).

Main restrictions applying to Maisons du Monde products:

Substance family	Products in scope	Limit
Phthalates ²	1 - Children's toys and childcare articles 2 – “Toys that can be placed in a child's mouth” and childcare articles	1- 0.1% (sum DEHP + BBP + DBP) 2- 0.1% (sum DINP + DIDP + DNOP)
Lead	1 - Total lead in Children’s products 2 - Lead in paints and similar surface coating in Children’s products and furniture	1- 100mg/kg 2- 90mg/kg

¹ See Annex V : List of Substances for the substances’ details

² See Annex V : List of Substances for the substances’ details

Other Problematic substances

Some **other substances are known to be problematic** for some products, although they are not listed in European regulations. In order to provide a high level of safety, Maisons du Monde restricts the presence of the following substances in the listed product types:

Substance	CAS Number	Product type	Limit
pH	NA	Textile	4-8
pH	NA	Leather	3.5-8
Allergenic Dyes³	See list	Textile – Polyester	50 mg/kg
Formaldehyde	50-00-0	Textile and Leather	75 mg/kg 16 mg/kg for toys and childcare articles
Formaldehyde	50-00-0	Paper	30 mg/kg (content limit) in paper toy material
Formaldehyde	50-00-0	Particle board, Medium Density Fiberboard (MDF), Oriented Strand Board (OSB)	8mg/100g board (corresponding to E1 classification)
Formaldehyde	50-00-0	Plastics	1,5 mg/l (migration limit) in polymeric toy material
Octylphenol, branched and linear, ethoxylated (OPEO) ((C₂H₄O)_n C₁₄H₂₂O))	various	Textile and Leather	100mg/kg
TetraChloPhenol (TeCP)	various	Textile, Leather, Wood & Wood-based products and Paper	5mg/kg in Leather 0.5mg/kg in Textile (except Textile in Toys and Childcare Articles : 0.05mg/kg) 5mg/kg in Wood 5mg/kg in Paper
Forbidden Azo Dyes	NA	Paper	30mg/kg
Extractable Heavy Metals (As, Cd, Cr, Hg, Pb, Sb)	NA	Textile	As - Arsenic : 1.0mg/kg (except for baby products 0.2) Cd - Cadmium 0.1mg/kg (0.1) Cr - Chromium 2.0mg/kg (1.0) Hg - Mercury 0.02mg/kg (0.02) Pb - Lead 1.0mg/kg (0.2) Sb - Antimony 30mg/kg (30)
Phenol	108-95-2	Polymers in Toys	5mg/L (migration limit)

³ See Annex V : List of Substances for the substances' details

Phosphorous Flame Retardant :	115-96-8	Flame Retardant in Toys	5mg/kg
- tris(2-chloroethyl) phosphate (TCEP)	13674-87-8		
- tris[2-chloro-1-(chlorométhyl)éthyl] phosphate (TDCP)	13674-84-5		
- tris(2-chloro-1-méthyléthyl) phosphate (TCPP)			

Table 4: List of Maisons du Monde specific requirements

Phasing out substances

As the substitution of some substances can be a challenge, we prefer to warn the suppliers from **coming new requirements** in advance, so that they will have time to **work on the substitution** during the phasing out period.

The below requirements will come in force after the phasing out period.

Substance Name	CAS Number	Product type	Limit	Phasing-out period
Nonylphenol, branched and linear, ethoxylated (NPEO) ((C₂H₄O)_n C₁₅H₂₄O)) and Octylphenol, branched and linear, ethoxylated (OPEO) ((C₂H₄O)_n C₁₄H₂₂O))	various	Textile articles or textile parts of articles	100mg/kg	Until July 2016 IN FORCE
Perfluorooctanoic acid (PFOA), and its salts	335-67-1	Textile or Leather with an anti-stain or repellent finish	0.1mg/kg	Until July 2017 IN FORCE
Tris(2-chloro-1-methylethyl) phosphate (TCPP); tris[2-chloro-1-(chloromethyl)ethyl] phosphate (TDCP); tris(2-chloroethyl) phosphate (TCEP)	115-96-8; 13674-84-5; 13674-87-8	PU Foam	0.1% (1000mg/kg)	Until July 2019 Prolonged until July 2022 (restriction not submitted)
Perfluorohexanoic acid (PFHxA), its salts and related substances	various	Textile or Leather with an anti-stain or repellent finish	25ppb	Until July 2022

Table 5: List of phasing out substances

Biocide Regulation

Biocides are chemical substances that are used to suppress or control biological organisms such as mold and bacteria. Products are typically treated with biocides to preserve the product itself (wood products, outdoor textiles) or to create a function such as insect repellency.

Only authorized substances listed in the Biocidal Regulation can be used for the treatment of articles or part thereof (see Annex III : Biocidal Regulation (Regulation (EU) No 528/2012) for more information).

When such a treatment is done, all information about the treatment should be communicated to Maisons du Monde (Commercial Product Name, Active Substance Name and CAS number, treatment process).

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Should you have any doubt or any question, contact us so that we check together the status of the substance.

Material Matrixes

Material Matrixes are a tool to help you define, depending on the material/process of your products, the major requirements applying to your products. Matrixes are given for the following materials: Textile, Leather, Wood and wood-based products, Polymers. In case of a coating (PVC, PU coating, NC paint) on one of those materials, the restriction for Polymers should be added to the restriction for the base material (ie for a PU coated textile, the textile base layer should follow the Textile Matrix whereas the PU coating should follow the Polymer Matrix).

Textile

Substance (or family)	Regulatory background	Limit	Preferred testing Norm	Details
G01 pH of aqueous extract	General Product Safety Directive	4-8	ISO 3071	All products
G03 Alkylphenols Ethoxylates (APEO) : NPEO and OPEO	REACH Annex XVII-46 / REACH Candidate List	0.01% (100mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS	All products
G02 Formaldehyde	REACH Annex XVII -72 and Toy Directive	75 mg/kg (16 mg/kg for toys and childcare articles)	ISO 14184-1	All products
G13 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS	Wet spun fibers (Acrylic, rayon, modacrylic, elastane...)
G14 Dimethylformamide	REACH Annex XVII -72 and REACH Candidate List	0.1%(1000mg/kg) in homogenous material	ISO/TS 16189	Wet spun fibers (Acrylic, rayon, modacrylic, elastane...)
G16 N-methyl-2-pyrrolidone (NMP)	REACH Annex XVII -72 and REACH Candidate List	0.1%(1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS	Wet spun fibers (Acrylic, rayon, modacrylic, elastane...)
G15 N,N-dimethylacetamide (DMAC)	REACH Annex XVII -72 and REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS	Wet spun fibers (Acrylic, rayon, modacrylic, elastane...)
G09 Extractable Heavy Metals (antimony (Sb), arsenic (As), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni))	A - REACH Annex XVII - 72 B - Maroccan Regulation	A - 1 mg/kg each (Cd, Cr VI, Hg, Pb) B - As, Cd, Cr, Hg, Pb, Sb : 1,0/0,1/2,0/0,02/1,0/30mg/kg except for baby products 0,2/0,1/1,0/0,02/0,2/30mg/kg	EN 16711-2:2015	All products
G06 Allergenic Dyes*	General Product Safety Directive	50 mg/kg	DIN 54231	Polyester fibers
G08 Carcinogenic Dyes*	REACH Annex XVII – 72 and General Product Safety directive	50 mg/kg	EN ISO 16373-2	All dyed or printed products
G07 Carriers (α, α,α,4-tetrachlorotoluene, α, α,α-	A - REACH Annex XVII – 72	1mg/kg	EN 17137	Synthetic fibers

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	trichlorotoluene, α-chlorotoluene) *				
G04	Prohibited Azo Dyes	REACH Annex XVII - 43	30mg/kg	EN 14362-1 and -3	All dyed or printed products
G10	Perfluorooctane sulfonic acid and its derivatives (PFOS)	POP Regulation	1µg/m ² of coated material	CEN/TS 15968:2010	Water repellent products
G10	Perfluorooctanoic acid (PFOA)	POP Regulation	25µg/kg	Appropriate solvent extraction and quantification	Water repellent products
G10	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction and quantification	Water repellent products
G10	Perfluorohexanoic acid (PFHxA), its salts and related substances	Coming REACH Annex XVII	25 ppb (PFHxA and its salts), 1000 ppb (PFHxA- related substances)	Appropriate solvent extraction and quantification	Water repellent products
G11 G12	Flame Retardant	See list in annex	See list in annex	Appropriate solvent extraction, followed by GC-MS	Fire retardancy treated products
G19	Pentachlorophenols (PCP) and TetraChloPhenol (TeCP)	General Product Safety Directive	0.5mg/kg (except Textile in Toys and Childcare Articles : 0.05mg/kg)	Appropriate solvent extraction, followed by GC-MS	Natural and artificial fibers
G20	Dimethylfumarate	REACH Annex XVII - 61	0.1 mg/kg	Appropriate solvent extraction, followed by GC-MS	All products
F05	Phthalates*	REACH Annex XVII-51, 52 and 72 REACH Candidate List	0.1% (1000mg/kg) in homogenous material	ISO 14389	Decorative finishes like inks, paints, heat transfer, adhesive, sublimation print, digital prints...
G17	Benzene	REACH Annex XVII - 72	5mg/kg		All products
G18	Quinoline	REACH Annex XVII - 72	50mg/kg		All products
	Lead in print and other surface coating	US CPSIA	90mg/kg	ASTM F2853-10 or CPSC-CH-E1003-09.1	All products

*: see list in annex

Leather

Substance (or family)	Regulatory background	Limit	Preferred testing Norm	Details
B01 pH of aqueous extract	General Product Safety Directive	3.5-8	ISO 4045	All Products
B02 Preservative (TCMTB, PCMC, OPP, OIT)	General Product Safety Directive	5mg/kg	Appropriate solvent extraction, followed by GC-MS	All Products
B04 B05 Chromium VI	REACH Annex XVII - 47	3 mg/kg before and after ageing	Ageing : ISO 10195, Determination of Chromium VI : ISO 17075-2	All Products
B07 Short Chained Chlorinated Paraffins (SCCP)	POP Regulation & REACH Candidate List	1000mg/kg	Appropriate solvent extraction, followed by GC-MS	All Products
B07 Medium Chain Chlorinated Paraffins (MCCP)	REACH Candidate List	1000mg/kg	Appropriate solvent extraction, followed by GC-MS	All Products
B03 Formaldehyde	General Product Safety Directive	75 mg/kg	ISO 17226	All Products
B08 Prohibited Azo Dyes	REACH Annex XVII - 43	30mg/kg	ISO 17234-1 & 2	All dyed or printed products
B09 Perfluorooctane sulfonic acid and its derivatives (PFOS)	POP Regulation	1µg/m ² of coated material	CEN/TS 15968:2010	Water repellent products
B09 Perfluorooctanoic acid (PFOA)	POP Regulation	25µg/kg	Appropriate solvent extraction and quantification	Water repellent products
B09 Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction and quantification	Water repellent products
B09 Perfluorohexanoic acid (PFHxA), its salts and related substances	Coming REACH Annex XVII	25 ppb (PFHxA and its salts), 1000 ppb (PFHxA-related substances)	Appropriate solvent extraction and quantification	Water repellent products
B10 Pentachlorophenols (PCP) and TetraChloPhenol (TeCP)	General Product Safety Directive	5mg/kg	Appropriate solvent extraction, followed by GC-MS	All Products
 Glutaral	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction and quantification	All Products
B11 Dimethylfumarate	REACH Annex XVII - 61	0.1 mg/kg	Appropriate solvent extraction, followed by GC-MS	All Products

Wood & Wood-based products (MDF, plywood, OSB)

Substance (or family)	Regulatory background	Limit	Preferred testing Norm
H02 Arsenic	REACH Annex XVII - 19	Detection Limit	Total digestion, followed by ICP analysis
H01 Formaldehyde	General Product Safety Directive	80mg/kg	EN 120
Heavy Metals	REACH Candidate List	0.1% (1000mg/kg) by element in homogenous material	Total digestion, followed by ICP analysis
H03 Pentachlorophenols (PCP) and TetraChloPhenol (TeCP)	General Product Safety Directive	5mg/kg	Appropriate solvent extraction, followed by GC-MS
Lead in paint (furniture)	US CPSIA	90mg/kg	ASTM F2853-10 or CPSC-CH-E1003-09.1

Polymers

Apply to polymers whatever the form: hard plastics, soft plastics, coatings on textile or leather, finishing's on wood products, foams...

Substance (or family)	Regulatory background	Limit	Preferred testing Norm
F20 F21 Flame Retardant	See list in Annex	See list in Annex	Appropriate solvent extraction, followed by GC-MS
Lead in Furniture coated fabrics	US CPSIA	90mg/kg	Total digestion, followed by ICP analysis
F01 Lead in articles which can be placed in the mouth by children	REACH Annex XVII - 63	500mg/kg	Total digestion, followed by ICP analysis
F12 Organotin Compounds	REACH Annex XVII - 20	0.1% (1000mg/kg) as Sn by article element	Extraction following ISO 150-E04 , derivatisation and CPG measurement
F11 Polycyclic-aromatic hydrocarbons (PAH)	REACH Annex XVII – 50 & 72	1 mg/kg	ZEK 01-08
F04 Phthalates	See list in Annex	See list in Annex	ISO 14389
F03 Quicksilver	ROHS	0.1% (1000mg/kg) in homogenous material	Total digestion, followed by ICP-MS
F10 Short Chained Chlorinated Paraffins (SCCP)	POP Regulation & REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS
F10 Medium Chain Chlorinated Paraffins (MCCP)	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS
F02 Cadmium	REACH Annex XVII - 23	100 mg/kg	EN 1122
F30 Dimethylformamide	REACH Annex XVII – 72 & REACH Candidate List	0.1% (1000mg/kg) in homogenous material	ISO/TS 16189
F33 2,2'-dichloro-4,4'-methylenedianiline (MOCA)	REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS
F32 N-methyl-2-pyrrolidone (NMP)	REACH Annex XVII – 72 & REACH Candidate List	0.1%(1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS
F31 N,N-dimethylacetamide (DMAC)	REACH Annex XVII – 72 & REACH Candidate List	0.1% (1000mg/kg) in homogenous material	Appropriate solvent extraction, followed by GC-MS
Phenol in Toys or Childcare articles	Toy Directive	5mg/L	EN 71-10:2005 and EN 71-11:2005
Formaldehyde	Toy Directive	Plastics	1,5 mg/l (migration limit) in polymeric toy material

Glass

The material glass itself is considered as a substance, thus no substances are restricted in this material. As soon as a glass article is decorated, then the decoration part is subject to various restrictions. For the main decoration process (decal, paints...), the above list for polymers will apply.

Ceramics

Ceramics and ceramic glazes are not subject to most of the requirements, mainly due to the low leaching availability. Nevertheless, painted, printed or decal decorations are subject to various restrictions.

Process

Products evaluation

Each supplier should evaluate the products delivered to Maisons du Monde to determine the problematic substances related to the product.

For any question related to substances or acceptable limits, suppliers should seek advice from Maisons du Monde Quality Team. Also, Maisons du Monde can help suppliers when they contact a lab to define the best testing options.

Each supplier should seek guarantees, through selection of chemicals, tests, audits, labels, in order to be sure that the products delivered to Maisons du Monde respect all requirements.

Communication in the supply chain

Each supplier is responsible for passing those requirements to its supply chain in order to be sure that each sub-supplier respects them.

Testing

Each season, Maisons du Monde defines Production Testing's Plans based on risk analysis. In case one of your products is chosen, you'll be informed of the testing procedure.

The tests are validation tests so they are done on production samples randomly selected on your production line by our mandated labs. Should you have any doubts on the conformity, you should test by yourself.

Maisons du Monde also have Warehouse Testing's Plans, meaning that each years products are tested at reception in our warehouse. Again, to avoid the high costs due to a failure, you should be 100% sure of the conformity of your shipments.

In case of testing failures, you'll have to fill a Corrective Action Form. This document will help us in our discussion towards the resolution of the fail. Suppliers will bear all retesting costs due to an initial fail. Maisons du Monde will bear initial testing's costs of the Testing's Plans.

Maisons du Monde Support

Should you have any question or need any help, please contact

M. Matthieu HOUEVILLE, mhoudeville@maisonsdumonde.com.

Annex I : REACh regulation

REACh is the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals. It was enforced on 1st June 2007.

The main aim of REACh is to **ensure a high level of protection of human health and the environment** from the risks that can be posed by **chemicals**.

REACh makes industry responsible for assessing and managing the risks posed by chemicals and providing appropriate safety information to their users. Besides, the European Union can take additional measures on highly dangerous substances, where complementing action at EU level is required.

Major obligations are related to substances on their own or in mixtures, some others to substances in articles.

Importers and suppliers of articles in the European Union have **several obligations** listed as follows:

Compliance with restrictions for substances in articles

The **use of particular substances in certain articles is restricted** under REACh Annex XVII. Therefore, companies have to make sure that the articles they produce or import are compliant with the restrictions outlined in the REACh Regulation.

Communication of information on substances in articles

Suppliers of articles containing a **Substance of Very High Concern included in the Candidate List** in a concentration above 0.1% weight by weight (w/w) in any component have to provide relevant available safety information about this substance to the recipients of these articles.

Notification of substances in articles

Notification means submitting specific information on a substance and its uses in articles, as well as the use of the article, to ECHA. Notification of a substance in articles is required by an article producer or importer when all of the following conditions are met:

- The substance is included in the Candidate List (see section 2).
The substance is present in one component of the article produced and/or imported at a concentration above 0.1% (w/w).
The total amount of the substance present in all articles produced and/or imported, which contain more than 0.1% (w/w) of the substance, exceeds 1 ton per year for the producer/importer.

More information about the REACh regulation can be found on ECHA website:

<http://echa.europa.eu/web/guest/home>

Annex II : Directive on General Product Safety

The General Product Safety Directive is intended to **ensure a high level of product safety** throughout the European Union for all consumer products that are not covered by specific legislation (e.g. toys, chemicals, cosmetics, machinery) or for the risks not covered by the specific legislation.

The Directive provides a generic definition of a safe product. Products must comply with this definition. If there are no specific national rules, the safety of a product is assessed in accordance with:

- European standards,
- Community technical specifications,
- Codes of good practice,
- The state of the art and consumers' expectations.

Obligations of producers and distributors

In addition to the basic requirement to place only safe products on the market, producers must inform consumers of the risks associated with the products they supply. They must take appropriate measures to prevent such risks and be able to trace dangerous products.

More information about the Directive on General Product Safety can be found on EU website:

http://ec.europa.eu/consumers/consumers_safety/product_safety_legislation/index_en.htm

Annex III : Biocidal Regulation (Regulation (EU) No 528/2012)

The Biocidal Products Regulation (BPR, Regulation (EU) 528/2012) concerns the placing on the market and use of biocidal products, which are used to protect humans, animals, materials or articles against harmful organisms like pests or bacteria, by the action of the active substances contained in the biocidal product. This regulation aims to improve the functioning of the biocidal products market in the EU, while ensuring a high level of protection for humans and the environment.

All biocidal products require an authorization before they can be placed on the market, and the active substances contained in that biocidal product must be previously approved.

The Regulation also sets rules for the use of **articles treated with, or intentionally incorporating, one or more biocidal products.**

According to the regulation, **articles can only be treated with biocidal products containing active substances approved in the EU.**

Companies must also be ready to provide the consumers with information about the biocidal treatment of the article they are selling. If a consumer requests information about a treated article, the supplier must provide it free of charge within 45 days.

Since 1 March 2017 it is not possible any more to place on the EU market articles treated with a biocidal product (or intentionally incorporating a biocidal product) containing an active substance which is not already approved, listed in Annex I, under evaluation or for which a complete application dossier was not submitted for the relevant product-type by 1 September 2016.

Examples of Maisons du Monde articles which can be concerned:

Treated outdoor cushions	All products with treated wood, rattan, bamboo...
	

For those treated products, the **active substance** (ex : Silver Chloride) **should be approved or under evaluation.** This can be checked on ECHA website (<http://echa.europa.eu/home>) by searching for the CAS Number of the substance.

Should you have any doubt or any question, contact us so that we check together the status of the substance.

Annex IV: POP regulation (Regulation (EC) No 2019/1021)

Persistent Organic Pollutants (POPs) are chemical substances that **persist in the environment, bioaccumulate** through the food web, and pose a **risk of causing adverse effects** to human health and the environment.

Persistent Organic Pollutants are **transported across international boundaries** far from their sources, even to regions where they have never been used or produced. Consequently, persistent organic pollutants pose a **threat to the environment and to human health** all over the globe.

In response to this global problem, the Stockholm Convention, which was adopted in 2001 and entered into force in 2004, requires its parties to take measures to eliminate or reduce the release of POPs into the environment.

Among others, the provisions of the Convention require each party to:

- **Prohibit and/or eliminate the production and use**, as well as the import and export, of the intentionally produced POPs that are listed in Annex A to the Convention (Article 3)
- Restrict the production and use, as well as the import and export, of the intentionally produced POPs that are listed in Annex B to the Convention (Article 3).

This convention is implemented in Europe through Regulation (EC) No 2019/1021.

Annex V : List of Substances**List of phthalates**

Substance Name	EC Number	CAS Number	1	2	3	4	5	6
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	X			X	X	X
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	X			X	X	X
Dibutyl phthalate (DBP)	201-557-4	84-74-2	X			X	X	X
Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	X			X	X	X
Di-isononyl phthalate (DINP)	249-079-5 and 271-090-9	28553-12-0 and 68515-48-0		X			X	
Di-isodecyl phthalate (DIDP)	247-977-1 and 271-091-4	26761-40-0 and 68515-49-1		X			X	
Di-n-octyl phthalate (DNOP)	204-214-7	117-84-0		X				
Dipentyl phthalate (DPP)	205-017-9	131-18-0			X		X	X
Dihexyl phthalate	201-559-5	84-75-3			X		X	X
Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7					X	X
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0						X
Diisopentylphthalate	210-088-4	605-50-5			X			X
N-pentyl-isopentylphthalate	-	776297-69-9						X
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8			X			X
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6			X			X
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4						X
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4						X
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters with ≥ 0.3% of dihexyl phthalate	271-094-0	68515-51-5						X
1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	272-013-1	68648-93-1						X
Diisohexyl phthalate	276-090-2	71850-09-4						x

1 : REACh restriction 51, apply to all articles since 7 July 2020

2 : REACh restriction 52, apply to toys and childcare articles which can be placed in the mouth by children

3 : REACh restriction 72, apply to textile in skin contact since November 2020

4 : ROHS II, apply to all parts of Electric and Electronic products after 22 July 2019

5 : US CPSIA, apply to children's toy or child care article

6 : REACh Candidate List, apply to all products (version 19/01/2021)

List of allergenic dyes

C.I. Generic Name	Color Index Structure number	CAS-Nr.
C.I. Disperse Blue 1	C.I. 64 500	2475-45-8
C.I. Disperse Blue 3	C.I. 61 505	2475-46-9
C.I. Disperse Blue 7	C.I. 62 500	3179-90-6
C.I. Disperse Blue 26	C.I. 63 305	3860-63-7
C.I. Disperse Blue 35		12222-75-2
C.I. Disperse Blue 102		12222-97-8
C.I. Disperse Blue 106		12223-01-7
C.I. Disperse Blue 124		61951-51-7
C.I. Disperse Brown 1		23355-64-8
C.I. Disperse Orange 1	C.I. 11 080	2581-69-3
C.I. Disperse Orange 3	C.I. 11 005	730-40-5
C.I. Disperse Orange 37	C.I. 11 132	12223-33-5, 13301-61-6 ,51811-42-8
C.I. Disperse Orange 76	C.I. 11 132	12223-33-5, 13301-61-6 ,51811-42-8
C.I. Disperse Red 1	C.I. 11 110	2872-52-8
C.I. Disperse Red 11	C.I. 62 015	2872-48-2
C.I. Disperse Red 17	C.I. 11 210	3179-89-3
C.I. Disperse Yellow 1	C.I. 10 345	119-15-3
C.I. Disperse Yellow 3	C.I. 11 855	2832-40-8
C.I. Disperse Yellow 9	C.I. 10 375	6373-73-5
C.I. Disperse Yellow 39		12236-29-2
C.I. Disperse Yellow 49		54824-37-2

List of Carcinogenic dyes

C.I. Generic Name	Color Index Structure number	CAS-Nr.
C.I. Basic Red 9	CI 42 500	569-61-9
C.I. Basic Violet 14	CI 42 510	632-99-5
C.I. Basic Violet 3 (with $\geq 0.1\%$)	CI 42 555	548-62-9
C.I. Disperse Blue 1	CI 64 500	2475-45-8
C.I. Disperse Orange 11	CI 60 700	82-28-0
C.I. Disperse Yellow 3	CI 11 855	2832-40-8

List of Flame Retardant

Substance Name	Accronym	CAS Number	Regulatory Background	Limit	Remark
Pentabromodiphenyl ether	PentaBDE	32534-81-9	POP Regulation	0,001% (10mg/kg)	
Hexabromocyclododecane and all major diastereoisomers identified: α-, β-, γ-hexabromocyclododecane	HBCDD	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	POP Regulation	0,01% (100mg/kg)	
Hexabromodiphenyl ether	HexaBDE	various	POP Regulation	0,001% (10mg/kg)	
Heptabromodiphenyl ether	HeptaBDE	various	POP Regulation	0,001% (10mg/kg)	
Tetrabromodiphenyl ether	TetraBDE	various	POP Regulation	0,001% (10mg/kg)	
Alkanes C10-C13, chloro (Short-Chain Chlorinated Paraffins)	SCCPs	85535-84-8	POP Regulation	0,15% (1500mg/kg)	
Octabromodiphenyl ether	OctaBDE	32536-52-0	REACH Annex XVII	0,1% (1000mg/kg)	
Decabromodiphenyl ether	DecaBDE	1163-19-5	POP Regulation	0,1% (1000mg/kg)	
Polybromobiphenyls	PBB	59536-65-1	REACH Annex XVII	Not detectable	
Tris (2,3-dibromopropyl)phosphate	TRIS	126-72-7	REACH Annex XVII	Not detectable	
Tris(aziridinyl)phosphin oxide	TEPA	545-55-1	REACH Annex XVII	Not detectable	
Tris(2-chloroethyl) phosphate	TCEP	115-96-8	Toy Regulation	0,0005% (5mg/kg)	1
Tris[2-chloro-1-(chloromethyl) ethyl] phosphate	TDCP	13674-87-8	Toy Regulation	0,0005% (5mg/kg)	1
Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-84-5	Toy Regulation	0,0005% (5mg/kg)	1

1 - Apply to toys intended for use by children under 36 months or toys intended to be placed in the mouth

List of REACh Annex XVII -72 : carcinogenic, germ cell mutagenic and reproductive toxic substances in Textiles

Substances	CAS No	EC No	Concentration limit by weight	Note
Cadmium and its compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6)	-	-	1 mg/kg (expressed as Cd metal that can be extracted from the material)	
Chromium VI compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6)	-	-	1 mg/kg after extraction (expressed as Cr VI that can be extracted from the material)	
Arsenic compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6)	-	-	1 mg/kg (expressed as As metal that can be extracted from the material)	
Lead and its compounds (listed in Annex XVII, Entry 28, 29, 30, Appendices 1-6)	-	-	1 mg/kg (expressed as Pb metal that can be extracted from the material)	
Benzene	71-43-2	200-753-7	5 mg/kg	
Benz[a]anthracene	56-55-3	200-280-6	1 mg/kg	
Benz[e]acephenanthrylene	205-99-2	205-911-9	1 mg/kg	
benzo[a]pyrene; benzo[def]chrysene	50-32-8	200-028-5	1 mg/kg	
Benzo[e]pyrene	192-97-2	205-892-7	1 mg/kg	
Benzo[j]fluoranthene	205-82-3	205-910-3	1 mg/kg	
Benzo[k]fluoranthene	207-08-9	205-916-6	1 mg/kg	
Chrysene	218-01-9	205-923-4	1 mg/kg	
Dibenz[a,h]anthracene	53-70-3	200-181-8	1 mg/kg	
$\alpha,\alpha,\alpha,4$-tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1	226-009-1	1 mg/kg	
α,α,α-trichlorotoluene; benzotrichloride	98-07-7	202-634-5	1 mg/kg	
α-chlorotoluene; benzyl chloride	100-44-7	202-853-6	1 mg/kg	
Formaldehyde	50-00-0	200-001-8	75 mg/kg	
1,2-benzenedicarboxylic acid; di-C 6-8-branched alkylesters, C 7-rich	71888-89-6	276-158-1	1000 mg/kg (individually or in combination with other phthalates in this entry or in other entries of Annex XVII that are classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 in any of the hazard classes CMR, category 1A or 1B)	
Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Idem	
Diisopentylphthalate	605-50-5	210-088-4	Idem	
Di-n-pentyl phthalate (DPP)	131-18-0	205-017-9	Idem	
Di-n-hexyl phthalate (DnHP)	84-75-3	201-559-5	Idem	
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone (NMP)	872-50-4	212-828-1	3000 mg/kg	
N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	3000 mg/kg	
N,N-dimethylformamide; dimethyl formamide (DMF)	68-12-2	200-679-5	3000 mg/kg	
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8	219-603-7	50 mg/kg	2
Benzenamine, 4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene)dianiline hydrochloride; C.I. Basic Red 9	569-61-9	209-321-2	50 mg/kg	
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride; C.I. Basic Violet 3 with $\geq 0,1$ % of Michler's ketone (EC no. 202-027-5)	548-62-9	208-953-6	50 mg/kg	
4-chloro-<i>o</i>-toluidinium chloride	3165-93-3	221-627-8	30 mg/kg	1
2-Naphthylammoniumacetate	553-00-4	209-030-0	30 mg/kg	1
4-methoxy-<i>m</i>-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate	39156-41-7	254-323-9	30 mg/kg	1
2,4,5-trimethylaniline hydrochloride	21436-97-5	-	30 mg/kg	1
Quinoline	91-22-5	202-051-6	50 mg/kg	

1 : Aromatic amines, covered by Azo testing (ie a PASS Azo test means that those 4 amines are not in the product above 30mg/kg)

2 : listed in "allergenic dyes"

Annex VI : Change Log

Version	Release Date	Major changes
V7.0	30 th June 2021	<p>POP Regulation : Regulation 2019/1021 replaced 850/2004, all references to old regulation have been modified. DecaBDE and PFOA moved from REACH Restrictions to POP restrictions. A limit has been defined for PCP.</p> <p>PFHxA added has Phasing Out Substance</p> <p>Textile Matrix : a “detail” column has been added to help link some substances with some specificities (type of fibers or type of finishing). REACH Restriction 72 has been split substances by substances for a more homogeneous reading</p> <p>Leather Matrix : a “detail” column has been added to help link some substances with some specificities (type of finishing) – 4 substances added</p> <p>Polymer Matrix : 4 substances added</p> <p>Process : More explanations on testing plans</p> <p>Annex V – List of substances : new list for Carcinogenic Dyes</p>
V6.0	8th July 2020	<p>Chromium VI in leather : the 3mg/kg limit applies after ageing</p> <p>New requirements for formaldehyde in plastics and paper in toys</p>
V5.0	1 st July 2019	<p>New requirements for US market (§ US CPSIA and substances’ requirements added to the material matrixes)</p> <p>Annex V - Phthalates list : classification by regulatory requirement</p>
V4.0	10 nd July 2018	<p>New restrictions on phthalates and CMR substances on textiles</p> <p>Lead added to candidate list substances</p> <p>flame retardants TCEP, TDCP, TCEP added to phasing out substances</p> <p>1 phthalate added to the phthalate list.</p>
V3.0	10 th July 2017	<p>New REACH restrictions: PFOA which was previously on Phasing Out</p> <p>New candidate list substance : PFHxS</p> <p>New other requirements : Phenol in toys</p> <p>New § on material matrix for Glass</p> <p>List of flame retardants added in appendix for better overview</p>
V2.1	14 th September 2016	Limits and Preferred Testing Norms have been corrected in the Leather Matrix (line shift)
V2.0	1 st July 2016	<p>New REACH restrictions: NPEO which was previously on Phasing Out, DecaBDE</p> <p>Rephrasing of POP restrictions</p> <p>New other requirements : for Paper : Formaldehyde, forbidden azo dyes. New limit for formaldehyde in toys and childcare articles. New restrictions on OPEO, PCP, Extractable Heavy metals in textile</p>

Maisons du Monde Chemical Requirements

		<p>New Phasing-out substance : PFOA</p> <p>New § on Biocides</p> <p>New § on Material Matrixes</p> <p>New § on Testing in the Process part</p> <p>New Annexes III & IV</p>
V1.2	1 st July 2015	<p>New restrictions : Chromium VI in leather, Polycyclic Aromatic Hydrocarbons (PAH) in rubber and plastic, Lead</p> <p>Phasing out : Nonylphenols Ethoxylates (NPEOs)</p> <p>Other : E1 class requirements for wood panels</p>
V1.0	1 st January 2014	