



# H&M GROUP CHEMICAL RESTRICTIONS 2023

## RESTRICTED SUBSTANCES LIST (RSL)

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### Chemical Products

Group Compliance Cosmetic & Chemical Products

Valid for all brands in the H&M group

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## 1. General

Out of concern for the health of customers, as well as for the environment and working conditions, H&M group has established H&M group Chemical Restrictions for all products.

H&M group Chemical Restrictions consists of the Manufacturing Restricted Substances List (MRSL) and the Restricted Substances Lists (RSL). The Restricted Substances Lists contains 11 stand-alone parts which are divided on product type; Packaging, Apparel/Accessories/Footwear/Soft Home Interior Products, Food Contact Products, Candles, Hardline, Chemical Products, Toys, Electrical and Electronic Products and Batteries, Medical Devices and Aerosols Dispensers.

Always follow all relevant latest parts of H&M group 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 group accepts no liability for any mistakes done in the translation.***

Chemical requirements and restrictions specifically for chemical products are found in H&M group Chemical Restrictions for Chemical Products. For chemical products intended for body application, the chemical content must also comply with H&M group Chemical Restrictions for Cosmetic Products. If the chemical product is sold in a packaging, the package must also comply with H&M group Chemical Restrictions for Packaging. A chemical product may additionally be classified as a Toy and must then also comply with H&M group Chemical Restrictions for Toys.

In addition to this part of the H&M group Chemical Restrictions, production of Chemical Products must also fulfil H&M group Chemical Restrictions MRSL.

Each limit in H&M group Chemical Restrictions is valid for homogeneous parts of the concerned product if not otherwise stated. Relevant test methods are specified in each part of the H&M group Chemical Restrictions. In case of undated test method, the latest version is valid.

## 2. Commitment

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





By accepting H&M group Standard Purchase Conditions, each Supplier acknowledges that H&M group 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 group 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 group 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 group test results will prevail.

### 3. Chemical Products – Examples

A **chemical product** is a pure chemical substance or a mixture of substances, other than cosmetics, drugs or food. A chemical product sold by H&M group must comply with chemical restrictions stated in H&M group Chemical Restrictions for Chemical Products. All details on your product must comply with H&M group Chemical Restrictions, see example below. The examples do not claim to be complete.

	<ul style="list-style-type: none"> <li>➤ <i>Glue for eyelashes:</i> <ul style="list-style-type: none"> <li>- <b>Follow H&amp;M group Chemical Restrictions Chemical Products and</b></li> <li>- <b>Follow H&amp;M group Chemical Restrictions Cosmetic Products</b></li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ <i>Cleaning/washing products, shoe polish, room scents, ball point pens, pencils:</i> <ul style="list-style-type: none"> <li>- <b>Follow H&amp;M group Chemical Restrictions Chemical Products</b></li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ <i>Crayons and felt tip pens:</i> <ul style="list-style-type: none"> <li>- <b>Follow H&amp;M group Chemical Restrictions Chemical Products and</b></li> <li>- <b>Follow H&amp;M group Chemical Restrictions Toys</b></li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ <i>Packaging of the product:</i> <ul style="list-style-type: none"> <li>- <b>Follow H&amp;M group Chemical Restrictions Packaging</b></li> </ul> </li> </ul>

## 4. 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 <sup>1</sup>
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 as specified in REACH Article 57

## 5. Abbreviations

CAS number	Chemical Abstracts Service number, an identification number for chemicals in this database
CLP	Classification Labelling and Packaging of substances and mixtures
FMD	Full Material Declaration
IFRA	International Fragrance Association
ppm	Parts per million, which is the same as mg/kg
REACH	Registration, Evaluation, Authorisation and restriction of Chemicals
SDS	Safety Data Sheets
SVHC	<i>Candidate List of Substances of Very High Concern</i> <sup>2</sup>

## 6. Requirements – all Chemical Products

Requirement/Restricted substance/CAS no	Limit/Requirement
Chemical composition	Chemical composition in all Chemical Products must comply with EU REACH Regulation 1907/2006 and annexes.
Classification, labelling and packaging according to CLP Regulation <sup>3</sup>	All Chemical Products must comply with EU CLP Regulation 1272/2008.

<sup>1</sup> 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.

<sup>2</sup> Candidate List of substances of very high concern according to REACH Regulation (EC) No 1907/2006

<sup>3</sup> EU CLP Regulation 1272/2008 on the classification, labelling and packaging of substances and mixtures

Requirement/Restricted substance/CAS no	Limit/Requirement
SDS Structure and contents as specified in REACH Article 31 <sup>4</sup>	SDS including the classification must be approved by H&M group before production begins.
FMD	Structure and contents as specified in H&M FMD template.
SVHC <sup>5</sup> Check the ECHA website for the updated Candidate List <i>of substances of very high concern</i>	1000 ppm
Substances defined as hazardous due to intrinsic properties as specified in REACH Article 57	1000 ppm
Fragrance oils	All fragrance oils must fulfil International Fragrance Association (IFRA) standard.
Cyclotetrasiloxane (D4) CAS 556-67-2	Usage ban
Cyclopentasiloxane (D5) CAS 541-02-6	Usage ban
Benzophenone-3 CAS 131-57-7	Usage ban
Chlorinated solvents, all CAS: Various	Usage ban
Alkyl-phenols and alkyl-phenol ethoxylates CAS: Various	Usage ban
Pigment Violet 29 CAS 81-33-4	Usage ban
Oil of bergamot	≥ 2 % prohibited
Substances on the California Proposition 65 list <sup>6</sup>	Usage ban
2-butoxyethanol CAS 111-76-2	Maximum 22 % in Laundry Stain Remover
Ethylene glycol CAS 107-21-1	≥ 5 % prohibited
Ethyl acetate CAS 141-78-6	≥ 5 % prohibited
Diethylene glycol CAS 111-46-6	≥ 5 % prohibited

<sup>4</sup> REACH Regulation (EC) No 1907/2006

<sup>5</sup> Candidate List of substances of very high concern according to REACH Regulation (EC) No 1907/2006

<sup>6</sup> Proposition 65 list, <http://oehha.ca.gov/proposition-65/proposition-65-list>

Requirement/Restricted substance/CAS no	Limit/Requirement
Ethanol CAS 64-17-5	A chemical product containing more than 2.25% ethanol is considered an “alcohol containing preparation”, which means that the ethanol in the product needs to be denatured before being put on the market.  To denature ethanol, one of the following substances shall be added per hectolitre (100 L) ethanol: 5 L Isopropyl alcohol (IPA) CAS 67-63-0 3 L Methyl ethyl ketone (MEK) CAS 78-93-3 1 g Denathonium benzoate CAS 3734-33-6
<b>Plastic microbeads</b> <i>Intentionally added solid plastic particles less than 5 mm in size</i>	Usage ban
<b>Phthalates- including all other esters of ortho-phthalic acid</b>  Diisodecyl phthalate (DiDP) CAS 26761-40-0; 68515-49-1 Diundecyl phthalate (DUP) CAS 3648-20-2 Di-cyclohexyl phthalate (DCHP) CAS 84-61-7 Di-n-octyl phthalate (DnOP) CAS 117-84-0 Diethyl phthalate (DEP) CAS 84-66-2 Dihexyl phthalate (DHP) CAS 84-75-3	Usage ban
Talc CAS 14807-96-6	Usage ban
Benzophenone-1 CAS 131-56-6	Usage ban
Benzophenone-2 CAS 131-55-5	Usage ban
4,4'-dihydroxy benzophenone CAS 611-99-4	Usage ban
Triphenyl phosphate CAS 115-86-6	Usage ban
Propylparaben CAS 94-13-3	Usage ban
Butylparaben CAS 94 -26-8	Usage ban
Methyl tertiary butyl ether CAS 1634-04-4	Usage ban



## Allowed Preservatives List, Chemical Products – All Countries

Water-based chemical products contain in-can preservatives to preserve the products from degradation. Only the preservatives listed below are allowed in the composition of chemical products sold by H&M group (according to BPR Regulation (EU) 528/2012). If a chemical product contains/requires an in-can preservative that cannot be found in the lists below, please contact Group Compliance Cosmetic & Chemical Products.

**Table 1. Approved preservatives with specific labelling requirements:**








No	Approved Preservatives List (with specific labelling requirements) CAS, EC-number
<i>Classification of the final product must comply with the section "Restrictions according to CLP – all countries" of the RSL.</i>	
1	3-iodo-2-propynylbutylcarbamate (IPBC) 55406-53-6, 259-627-5
2	2-Methyl-1,2-Benzisothiazol-3(2H)-one (MBIT) 2527-66-4, No EC

**Table 2. Other allowed preservatives list:**

No	Allowed Preservatives List CAS, EC-number
<i>Classification of the final product must comply with the section "Restrictions according to CLP – all countries" of the RSL.</i>	
3	(benzyloxy)methanol 14548-60-8, 238-588-8
4	1,2-benzisothiazol-3(2H)-one (BIT) 2634-33-5, 220-120-9
5	1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (DMDMH) 6440-58-0, 229-222-8
6	2,2'-dithiobis[N-methylbenzamide] (DTBMA) 2527-58-4, 219-768-5
7	2-butyl-benzo[d]isothiazol-3-one (BBIT) 4299-07-4, 420-590-7
8	2-octyl-2H-isothiazol-3-one (OIT) 26530-20-1, 247-761-7
9	2-Phenoxyethanol 122-99-6, 204-589-7
10	Benzyl Alcohol 100-51-6, 202-859-9
11	Didecyldimethylammonium chloride (DDAC (C8-10)) 68424-95-3, 270-331-5
12	Didecyldimethylammonium chloride(DDAC) 7173-51-5, 230-525-2
13	Dodecylguanidine monohydrochloride 13590-97-1, 237-030-0
14	Ethanol 64-17-5, 200-578-6

No	Allowed Preservatives List CAS, EC-number
15	Formic acid 64-18-6, 200-579-1
16	Hexa-2,4-dienoic acid (Sorbic acid) 110-44-1, 203-768-7
17	Hydrogen peroxide 7722-84-1, 231-765-0
18	L-(+)-lactic acid 79-33-4, 201-196-2
19	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine) 2372-82-9, 219-145-8
20	p-[(diiodomethyl)sulphonyl]toluene 20018-09-1, 243-468-3
21	Potassium (E,E)-hexa-2,4-dienoate (Potassium Sorbate) 24634-61-5, 246-376-1
22	Pyridine-2-thiol 1-oxide, sodium salt (Sodium pyrithione) 3811-73-2, 223-296-5
23	Sodium Azide 26628-22-8, 247-852-1

## 7. Restrictions according to CLP – all countries

Restricted classification		Requirement
All classifications that results in Pictogram GHS06 "Skull over crossed bones"		The chemical composition must be formulated as to avoid all restricted classifications of chemical products.  The chemical composition must be formulated as to avoid all restricted classifications <sup>7</sup> of chemical products.
All classifications that results in Pictogram GHS08 "Severe health hazard"		
All classifications that results in Pictogram GHS01 "Explosive"		
All classifications that results in Pictogram GHS04 "Gas under pressure"		
All classifications that results in Pictogram GHS03 "Oxidizing"		
All classifications that results in Pictogram GHS09 "Dead fish and tree"		
Acute toxicity Cat 4; Oral, Dermal and Inhalation toxicity	-	
All classifications that results in Pictogram GHS05 "Corrosive"		The chemical composition must be formulated as to avoid all restricted classifications <sup>7</sup> of chemical products. Detergent products <sup>8</sup> classified Eye Dam. 1 are exempt from this restriction.

<sup>7</sup> According to Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)

<sup>8</sup> Detergent products are defined as all products with a *cleaning* ability.

## 8. Product specific requirements – all countries

Requirement/Restricted substances	Limit/Requirement
Chemical products intended for children	Products must be formulated as to avoid any classification according to the CLP regulation <sup>9</sup> .
Chemical products intended for children which are also classified as Toys	Products must be formulated as to avoid any classification according to the CLP regulation. The chemical products must also comply with H&M group Chemical Restrictions Toys.
Products intended for nail application	Chemical contents must also comply with H&M group Chemical Restrictions Cosmetic Products.
Products for body, face, nail and eyelash application (e.g. glue for false eyelashes, glitter glue for face)	The chemical content must also comply with H&M group Chemical Restrictions Cosmetic Products and must to be formulated as to avoid any classification according to the CLP regulation.
Monomer residues in acrylate-based adhesives for body and face applications	≤ 20 ppm
Cyanoacrylate-based adhesives, including, but not limited to: Ethyl cyanoacrylate, Methyl cyanoacrylate, Isopropyl cyanoacrylate	<ul style="list-style-type: none"> <li>- <i>In products for skin contact:</i> Usage ban</li> <li>- <i>In all other products:</i> The inner and outer label must carry the statement: "WARNING. BONDS SKIN INSTANTLY. AVOID CONTACT WITH EYES, MOUTH AND SKIN. KEEP AWAY FROM CHILDREN. Eyelid bonding: consult a physician. Skin bonding: soak and ease apart gently. Not for use in the area of the eye."</li> </ul>

### Detergents – All Countries

Requirement/Restricted substance/CAS no	Limit/Requirement
Phosphorus and phosphorus compounds CAS: Various	<p>0%, except a trace quantity of 0.5 percent phosphorus (expressed as elemental phosphorus) that is incidental to manufacturing.</p> <p>"A trace quantity means an incidental amount of a chemical which is not part of the cleaning product formulation, is present only as a consequence of manufacturing and does not exceed 0.5% of the content of the product by weight."</p>
Nitilotriacetic acid, NTA CAS 139-13-9	<p>0%, except a trace quantity of 0.1 % incidental to that is incidental to manufacturing.</p> <p>"A trace quantity means an incidental amount of a chemical which is not part of the cleaning product formulation, present only as a consequence of manufacturing."</p>

<sup>9</sup> According to CLP Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures

## Laundry detergent

Requirement/Restricted substance/CAS no	Limit/Requirement
Phosphorus and phosphorus compounds CAS: Various	< 0.5 g per recommended quantity of detergent used in a standard wash

## 9. Country specific requirements

### Additional Restrictions for cleaning products to Malaysia

*Cleaning products, e.g. laundry detergents, cleaning products for makeup tools*

Requirement/Restricted substance/CAS no	Limit/Requirement
Malaysia Poisons Act 1952, first schedule Poisons list <sup>10</sup>	Usage ban
Carbon disulphide CAS 75-15-0	Usage ban
n-Hexane CAS 110-54-3	Usage ban

### Additional Restrictions - USA

Requirement/Restricted substance/CAS no	Limit/Requirement
US TSCA Chemical Substance Inventory <sup>11</sup>	All substances must be either listed on the TSCA Chemical Substance Inventory or be exempted/excluded from listing. If the substance is subject to a Significant New Use Rule (SNUR), all requirements must be fulfilled.
Strong sensitizers according to the Federal Hazardous Substance Act <sup>12</sup> , USA <ul style="list-style-type: none"> <li>- Paraphenylenediamine and products containing it.</li> <li>- Powdered orris root and products containing it.</li> <li>- Epoxy resins systems containing in any concentration ethylenediamine, diethylenetriamine, and diglycidyl ethers of molecular weight of less than 200.</li> <li>- Formaldehyde and products containing 1 percent or more of formaldehyde.</li> </ul>	Usage ban

<sup>10</sup> The Malaysia Poisons Act 1952 First schedule of Poisons Act 1952

<sup>11</sup> TSCA Chemical Substance Inventory, [How to Access the TSCA Inventory | US EPA](#)

<sup>12</sup> §1500.13 Listing of "strong sensitizer" substances, [eCFR :: 16 CFR 1500.13 -- Listing of "strong sensitizer" substances.](#)

## Additional Restrictions – Canada

Requirement/Restricted substance/CAS no	Limit/Requirement
Canadian chemical inventory, Domestic Substances List	All substances must be either listed on the Canadian Inventory, Domestic Substances List or be exempted/excluded from listing. If the substance is subject to a Significant New Activity (SNAc), all requirements must be fulfilled.
Very flammable liquids, Canada (flashpoint < - 18 °C of the final product)	Usage ban

## Additional Restrictions – Canada and US

### Limitations of Volatile Organic Compounds (VOCs)

Due to Californian regulations, chemical products shipped to USA and Canada are subject to limitations of: “Volatile organic compounds (VOC) means any compound containing at least one atom of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate(...)”<sup>13</sup>  
Some substances are excluded from the definition, to find these, as well as product definitions, please refer to *Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Articles 1-4*. A compilation may also be found at: The California Consumer Product Regulations  
VOC regulated chemical products together with limits are listed in *Table 3. VOC Product types and limits*.

The California Air Resource Board also offers a list of examples of VOC that can be used for guidance: California Environmental Protection Agency, Air Resources board, 2013 Consumer and Commercial Products Survey at: Consumer & Commercial Product Surveys | California Air Resources Board  
Scroll down to “Activities”. “February 8<sup>th</sup>, 2016: The 2013\_2014\_and\_2015\_surveys\_chemical\_list\_and\_assignments.xlsx (live.com) is now available”.

**Table 3. VOC Product Types and Limits**

Consumer Product Category	Maximum VOC content limit % (w/w)
The VOC-limits does not apply to fragrances up to a combined level of 2 % (w/w) contained in any consumer product, nor to air-fresheners that are comprised entirely of fragrance.	
<b>Adhesives</b>	
General Purpose	10
<b>Air Fresheners</b>	
Single Phase Aerosols	30
Double Phase Aerosols	20
Liquids, Pump Sprays	18
Solids, Gels	3
Dual Purpose Air Freshener/ Disinfectant Aerosols	60
<b>Bathroom and Tile cleaners</b>	
Aerosols	7
All other forms	5

<sup>13</sup> [The California Consumer Product Regulations](#) (p. 14)

<b>Consumer Product Category</b>	<b>Maximum VOC content limit % (w/w)</b>
Non-Aerosol	1
<b>Carpet and Upholstery Cleaners</b>	
Aerosols	5
Non-Aerosols (dilutable <sup>14</sup> )	0.1
Non-Aerosols (Ready to Use)	1
<b>Fabric Protectants</b>	60
Non-Aerosols	1
<b>Fabric Refresher</b>	
Aerosols	15
Non-Aerosols	6
<b>Footwear or Leather Care Product</b>	
Aerosols	75
Solids	55
All other forms	15
<b>General Purpose Cleaners</b>	
Aerosols	8
Non-Aerosol	0.5
<b>Glass Cleaners</b>	
Aerosols	10
Non-Aerosol	3
<b>Laundry Prewash</b>	
Aerosol /Solids	22
All other forms	4.5
<b>Laundry Starch (Sizing/Fabric Finish) Products</b>	4.5
<b>Metal Polishes /Cleaners</b>	
Aerosols	15
Non-Aerosol	3
<b>Oven / Grill Cleaner</b>	
Aerosols	8
Non-Aerosols (including pump sprays and liquids)	4
<b>Spot Removers</b>	
Aerosols	15
Non-Aerosols	3

### Labelling

Please note that VOC-products shall be labelled with the production date; please refer to *Labelling requirements for Chemical Products* for more information.

### Additional Restrictions - Australia

For all substances listed below, any mixtures, salts and derivatives of the listed substances are also prohibited in the below listed concentrations, unless stated otherwise.

<sup>14</sup> For consumer products for which the label, packaging, or accompanying literature specifically states that the product should be diluted with water or non-VOC solvent prior to use, the limits specified in the table above shall apply to the product only after the minimum recommended dilution has taken place.

Requirement/Restricted substance/CAS no	Limit/Requirement
Australia AICS inventory list <sup>15</sup>	All substances must be listed in the AICS Inventory of Australia or exempt /exclude.  If the substance is subject to a Secondary Notification Conditions, requirements must be fulfilled.
Substances listed in schedule 1-4 and 6-10 of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) of the Poison Standard <sup>16</sup>	Substances prohibited, unless listed in schedule 5 in applicable concentrations or present in concentrations below listing in the schedules.
Alkaline salts included in Schedule 5, when packed and labelled as dishwashing <i>machine tablets</i> .	Prohibited in <b>solid automatic dishwashing preparations</b> , if the pH in a 500 g/L aqueous solution or mixture is more than 11.5 but less than or equal to 12.5.
Alkaline salts included in Schedule 5, when packed and labelled as dishwashing <i>machine liquids, solids or gels</i> .	Prohibited in <b>solid automatic dishwashing preparations</b> , if the pH in a 500 g/L aqueous solution or mixture is more than 11.5 but less than or equal to 12.5 or in <b>liquid or semi-solid preparations</b> , if the pH is more than 12.5.
Anise oil	≤ 50 %
Basil oil	≤ 5 % methyl chavicol in the Basil oil
Cassia oil	≤ 2 %
Cinnamon bark oil	≤ 2 %
Marjoram oil	≤ 50 %
Nutmeg oil	≤ 50 %
Thyme oil	≤ 50 %
Camphor as a natural component in essential oils CAS 76-22-2	≤ 10 %
Camphor as a natural component in essential oils in rosemary oil, sage oil (Spanish), or lavandin oils CAS 76-22-2	≤ 10 %
Chlorhexidine (in liquids) CAS 55-56-1	≤ 3 %
Copper hydroxide CAS 20427-59-2	≤ 50 %
Diethanolamine (excluding its salts and derivatives) CAS 111-42-2	≤ 20 %
Diethylene glycol (excluding its salts and derivatives) in preparations	Containing <b>less than 10 mg/kg</b> of denatonium benzoate as a bittering agent except is prohibited
Direct red 254 CAS 101380-00-1	≤ 30 %

<sup>15</sup> The Australian Inventory of Chemical Substances (AICS), [Search the industrial chemicals inventory | Australian Industrial Chemicals Introduction Scheme \(AICIS\)](#)

<sup>16</sup> POISONS STANDARD, Standard for the Uniform Scheduling of Medicines and Poisons, <https://www.tga.gov.au/publication/poisons-standard-susmp>



Requirement/Restricted substance/CAS no	Limit/Requirement
Ethylene glycol (excluding its salts and derivatives) in preparations	Containing less than <b>10 mg/kg</b> of denatonium benzoate as a bittering agent is prohibited
Hydrochloric acid (excluding its salts and derivatives) CAS 7647-01-0	≤ 10 %
3-iodo-2-propynyl butyl carbamate (Iodocarb) CAS 55406-53-6	≤ 10 %
Isoeugenol CAS 97-54-1	≤ 25 %
Methyl salicylate CAS 68917-75-9	≤ 25 %
Monoethanolamine (excluding its salts and derivatives) CAS 141-43-5	≤ 20 %
Nitric acid (excluding its salts and derivatives) CAS 7697-37-2	≤ 10 %
Peracetic acid CAS 79-21-0	≤ 10 %
Phosphoric acid (excluding its salts and derivatives) CAS 7664-38-2	≤ 35 % Not applicable in solid or semi-solid preparations
Potassium peroxomonosulfate triple salt CAS 70693-62-8	≤ 5 %
n-propyl alcohol CAS 71-23-8	≤ 10 %
Sodium percarbonate CAS 15630-89-4	≤ 35 %

## Additional Restrictions – New Zealand

Requirement/Restricted substance/CAS no	Limit/Requirement
<b>New Zealand Inventory of Chemicals, NZIoC</b>	All <i>hazardous</i> substances contributing to the product's classification (including hazardous perfumes) must be listed on the New Zealand Inventory of Chemicals <sup>17,18</sup> . The requirement is not applicable for <i>the fragrance</i> in reed diffusers.
Flammable (flash point ≤ 60 °C) solid automatic dishwashing preparation	May not have a pH of which in a 500 g/L aqueous solution or mixture is more than 12.5.
Flammable (flash point ≤ 60 °C) liquid or semi-solid automatic dishwashing preparation	May not have a pH of which is more than 12.5.

## Additional Restrictions – Hong Kong

### Limitations of Volatile Organic Compounds (VOCs)

Chemical products imported to Hong Kong are subject to limitations of Volatile Organic Compounds (VOC).

“*Volatile organic compounds (VOC)* means any compound containing at least one atom of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate(...)”<sup>19</sup>  
Some substances are excluded from the definition, to find these, as well as product definitions, please refer to *Air Pollution Control (Volatile Organic Compounds) Regulation, Cap. 311W, Schedule 3 Regulated Consumer Products*.

VOC regulated chemical products together with limits are listed in *Table 3. VOC Product types and limits*.

**Table 3. VOC Product Types and Limits**

Consumer Product Category	Maximum VOC content limit % (w/w)
The VOC-limits does not apply to fragrances up to a combined level of 2 % (w/w) contained in any consumer product, nor to air-fresheners that are comprised entirely of fragrance.	
<b>Air Fresheners</b>	
Single Phase Aerosols	30
Double Phase Aerosols	25
Liquids, Pump Sprays	18
Solids, Gels	3
Dual Purpose Air Freshener/ Disinfectant Aerosols	60

Version history information is available in the separate file *History and Sources Chemical Products*.

<sup>17</sup> New Zealand Inventory of Chemicals, NZIoC, <https://www.epa.govt.nz/database-search/>

<sup>18</sup> Hazardous substances that are not listed on the inventory can be registered by H&M Group. Please contact your H&M contact if your hazardous substance(s) is *NOT* listed on the New Zealand inventory and it contributes to the hazard classification of the product. Please attach a safety data sheet for the substance, the raw-material where the substance is present or the final product where the substance will be present.

Mark the subject line with “New Zealand inventory”.

<sup>19</sup> Air Pollution Control (Volatile Organic Compounds) Regulation, Cap. 311W, Schedule 3 Regulated Consumer Products:

[https://www.elegislation.gov.hk/hk/cap311W?xid=ID\\_1438402971313\\_001](https://www.elegislation.gov.hk/hk/cap311W?xid=ID_1438402971313_001)

## Additional Restrictions-Thailand

According to Thai regulations, all substances (including hazardous and non-hazardous substances and perfumes) involved in a chemical product must be listed on the First Thailand Existing Chemicals Inventory.

Requirement/Restricted substance/CAS no	Limit/Requirement
<b>The First Thailand Existing Chemicals Inventory</b>	All substances involved in a chemical product (including hazardous and non-hazardous substances and perfumes) must be listed on the First Thailand Existing Chemicals Inventory <sup>20</sup> .

## Additional Restrictions for cleaning products to Thailand

Cleaning products, e.g., any products used for cleaning any surfaces or materials, such as dishwashing products, liquid laundry detergents, toilet cleaners, glass cleaners and car washing products.

Requirement/Restricted substance/CAS no	Limit/Requirement
<b>Active Ingredient List Thailand</b>	All active ingredients (surfactants) in cleaning products must have listed in the Active Ingredient List Thailand. <sup>21, 22</sup>

## Additional Restrictions – Russia

According to Russian regulations, in order to be able to sell chemical products in Russia, all substances and mixtures (hazardous and non-hazardous) contributing to the chemical products must be listed in Russia National Existing Chemical Substance Inventory.

Requirement/Restricted substance/CAS no	Limit/Requirement
<b>Russia National Existing Chemical Substance Inventory</b>	All substances and mixtures including hazardous substances, non-hazardous substances, and hazardous perfume substances, that contribute to a chemical product, must be listed on the Russia National Existing Chemical Substance Inventory <sup>23, 24</sup> .

<sup>20</sup> [chemical and hazardous materials information house \(diw.go.th\)](http://chemicalandhazardousmaterialsinformationhouse(diw.go.th))

<sup>21</sup> Active Ingredient List Thailand, [H&M Group, Supplier Portal \(hm.com\)](http://H&M Group, Supplier Portal (hm.com))

<sup>22</sup> Active Ingredient List Thailand, [PRODUCTION DOCUMENTS & LINKS \(sharepoint.com\)](http://PRODUCTION DOCUMENTS & LINKS (sharepoint.com)) – for H&M internal use only, not available for suppliers.

<sup>23</sup> Russia National Existing Chemical Substance Inventory, <https://gisp.gov.ru/cheminv/pub/app/search/>

<sup>24</sup> Please contact your H&M contact person if your substance(s) and mixture (s) is not in the Russia National Existing Chemical Substance Inventory List.

## Additional restrictions- Switzerland

The substances mentioned below are fundamentally prohibited from being used and placed on the market in Switzerland<sup>25</sup>

Requirement/Restricted substance/CAS NO	Limit/Requirement
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [Includes well-defined substances and UVCB substances, polymers, and homologues] CAS -	Usage ban
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers, and homologues, which include any of the individual isomers and/or combinations thereof] CAS -	Usage ban
5-sec-Butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-Butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [includes each individual stereoisomer of [1] and [2] or any combination thereof] CAS -	Usage ban
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328) CAS 25973-55-1	Usage ban
Sodium peroxometaborate CAS 7632-04-4	Usage ban
Sodium perborate; perboric acid, sodium salt CAS 15120-21-5; 11138-47-9	Usage ban
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328) CAS 25973-55-1	Usage ban

<sup>25</sup> [SR 814.81 - Ordinance of 18 May 2005 on the Reduction of Risks relating to the Use of Certain Particularly Dangerous Substances, Preparations and Articles \(Chemical Risk Reduction Ordinance, ORRChem\) \(admin.ch\)](#)