



<b>REGULATORY DATASHEET – REG2 Textile materials</b>
--

Market : European Union, Norway and Switzerland

<b>Version No. / Date</b>
---------------------------

V12.00 – 3 May 2018
---------------------

**Summary:**

**Introduction : Explanatory note**

**Summary of restrictions in textile materials**

**Chapter 0 : Restrictions relative to dimethylfumarate**

**Chapter 1 : Restrictions relative to azocolourants and blue colourant**

**Chapter 2 : Restrictions relative to flame retardants (including brominated flame retardants and short chain chlorinated paraffins SCCP)**

**Chapter 3 : Restrictions relative to perfluorooctane sulfonates and perfluorooctanoïc acid (uses : coated textiles)**

**Chapter 4 : Restrictions relative to organostannic compounds (uses : biocide, antibacterial treatment, printed textiles, coated textiles etc.)**

**Chapter 5 : Restrictions relative to formaldehyde (finishing agent, coated textiles, etc.)**

**Chapitre 6 : Restrictions relative to pentachlorophenol (uses : biocide)**

**Chapter 7 : Germany : Restrictions relative to colourants**

**Chapter 8 : Restrictions relative to heavy metals (arsenic, lead)**

**Chapter 9 : Other restrictions**

**9.1 Switzerland : Paraphenylenediamine**

**9.2 Switzerland : Restrictions relative to halogenated organic compounds**

**9.4 Restrictions Nonylphenol, octylphenol and their ethoxylates**

**Annex : Reminder – Texts relative to chemicals restrictions**



## History of modifications

V1.00	Initial version published on 20 December 2013
V2.00 – 29/09/2014	<b>Switzerland:</b> DMF (UE identical) / ref of texts updated <b>Norway:</b> PFOA (application date for products manufactured before 1 June 2014) / ref of texts updated / SCCP: national restriction cancelled, POP Regulation implemented <b>Denmark:</b> phthalates – BEK nr 1113 abrogated by BEK nr 979 of 5 September 2014
V3.00 – 13/01/2015	<b>Switzerland:</b> ordinance 814.81 updated <b>Norway:</b> ref of texts updated <b>Chapter 2:</b> flame retardants: “Decree Besluit gechloreerde paraffines WMS of 3 November 1999” withdrawn from the chapter because no longer applicable. <b>Chapter 8:</b> lead restriction Annex XVII Reach added
V4.00 – 14/04/2015	<b>Norway:</b> restriction on HBCDD added (flame retardant), ref of texts updated
V5.00 – 18/12/2015	<b>Norway, Switzerland:</b> ref of texts updated <b>Switzerland:</b> Ordinance 814.81 updated (SCCP, HBCDD, halogenated organic compounds) <b>Europe:</b> POP : SCCP restriction updated / PFOS restriction on articles added
V6.00 – 05/04/2016	<b>Germany:</b> Lebensmittel und Futtermittelgesetzbuch – LFGB of 26 January 2016 updated <b>Netherlands:</b> Removal of pentachlophenol requirements <b>Norway, Switzerland:</b> Ref of texts updated <b>Europe:</b> POP: HBCDD restriction added
V7.00 – 19/09/2016	<b>Germany:</b> Lebensmittel und Futtermittelgesetzbuch – LFGB of 18 Juli 2016 updated <b>Norway:</b> ref of texts updated <b>Switzerland:</b> Ordinance 814.81 and 817.023.41 updated
V8.00 – 28/02/2017	<b>Germany:</b> Regulation of 20 January 2017« Chemikalien-Verbotsverordnung – ChemVerbotsV replaces « Chemikalienverbotsverordnung » of 13 June 2003 Lebensmittel und Futtermittelgesetzbuch – LFGB: reference updated as of 24 November 2016 <b>Norway:</b> Regulation FOR 2004-06-01 nr 922 and FOR 2008-05-30 nr 516 reference updated <b>Switzerland:</b> Ordinance 814.81 reference updated (organostannic compounds) <b>Chapter 2 Flame retardants : European Union :</b> REACH, Annex XVII, Entry 67 DecaBDE / POP Regulation, add hexabromodiphenyl <b>Chapter 4 Organostannic compounds :</b> clarification for Switzerland <b>Chapter 9.4 Nonylphenol ethoxylates: European Union/Norway :</b> REACH, Annex XVII, Entry 46a NPE <b>Chapter 7 Germany/colourants :</b> updated sources for list of restricted dyes
V9.00 – 01/08/2017	<b>Germany/Norway/Switzerland</b> update of references
V10.00 – 02/11/2017	<b>Norway:</b> update of references
V11.00 – 01/02/2018	« Summary of restrictions » updated <b>Chapter 1 :</b> Date of test methods updated <b>Chapter 3 :</b> PFOA restriction for EU added, PFOA related substances added in the title <b>Chapter 4 :</b> Dates of application deleted in summaries (organostannic compounds restrictions). Use of organostannic compounds updated <b>Chapter 8 :</b> Suppression of lead REACH restriction for EU/Norway <b>Annex : Norway, Switzerland:</b> update of references
V12.00 – 03/05/2018	<b>Annex : Norway, Switzerland :</b> update of references



## **Introduction : Explanatory note**

Datasheet REG2 Textile materials synthesizes major categories of chemicals restrictions commonly applied to textile materials.

The annex of this document is reminding the regulatory requirements on chemicals restrictions in consumer goods.

## Summary of restrictions in textile materials

**Note 1 :** EU requirements are applicable in all EU countries.

**Note 2 :** Specific national requirements or additional requirements to EU requirements.

**Note 3 :** Specific national requirements or requirements identical to EU requirements.

Substance	Country	EU See Note 1	EU countries See Note 2					Non EU countries (EFTA) See Note 3	
			Germany	Austria	Denmark	Finland	Netherlands	Switzerland	Norway
			<b>Dimethylfumarate (DMF)</b>	X					
<b>Azocolourants</b>	X						X EU id.	X EU id.	
Flame retardants	<b>TRIS</b>	X						X EU id.	X EU id.
	<b>TEPA</b>	X						X EU id.	X EU id.
	<b>PBB</b>	X							X EU id.
	<b>SCCP</b>	X						X EU id.	X EU id.
	<b>hexabromodiphenyl</b>	X						X EU id.	
	<b>tetraBDE</b>	X						X EU id.	X EU id.
	<b>pentaBDE</b>	X						X EU id.	X EU id.
	<b>hexaBDE</b>	X						X EU id.	X EU id.
	<b>heptaBDE</b>	X						X EU id.	X EU id.
	<b>octaBDE</b>	X						X EU id.	X EU id.
	<b>decaBDE</b>	X							X EU id.
<b>HBCDD</b>	X						X EU id.	X EU id.	
<b>PFOS</b>	X						X EU id.	X EU id.	
<b>PFOA and related substances</b>	X							X	
<b>Organostannic compounds : TBT – TPT DBT DOT</b>	X						X	X EU id.	
<b>Formaldehyde</b>		X			X	X		X	
<b>Pentachlorophenol (PCP)</b>		X	X	X			X	X	
<b>Disperses dyes and carcinogenic dyes</b>		X							
<b>Heavy metals : Arsenic and compounds Lead and compounds</b>	X (lead)						X		
<b>Paraphenylenediamine</b>							X		
<b>Halogenated organic compounds</b>							X		
<b>Nonylphenol, octylphenol and their ethoxylates</b>	X						X	X EU id.	



BUREAU  
VERITAS



## Chapter 0 : Restrictions relative to dimethylfumarate

### Dimethylfumarate restrictions

#### European regulation :

- REACH regulation 1907/2006 – Annex XVII – Entry 61

#### National regulation :

#### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and article (Ordinance on risk reduction related to chemical products, ORRChim)
- Norway : FOR 2008-05-30 nr 516 modified: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH)

#### Scope :

- EU/Norway/Switzerland : Articles

#### Requirements :

- Dimethylfumarate shall not be used in concentrations greater than 0,1 mg/kg.



BUREAU  
VERITAS



## Chapter 1 : Restrictions relative to azocolourants and blue colourant

### Textiles – Restrictions relative to azo colourants and blue colourant

#### European regulation :

- REACH regulation 1907/2006 – Annex XVII – Entry 43 and appendix 8

#### National regulations :

#### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)
- Switzerland : Ordinance 817.023.41 of DFI of 23 November 2005 modified on articles intended to come into contact with mucous membranes, skin or hair, and on candles, matches, lighters and tricks (Ordinance on articles intended to come into contact with the human body)
- Norway : FOR 2008-05-30 nr 516 modified: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH)

#### Scope :

- Textile articles and particularly :
- Textile articles which may come into direct and prolonged contact with the skin or with the mouth such as :
  - clothes, bedding, towels, hats, sleeping bags,
  - footwear, gloves, wristwatch straps, handbags, wallets/purses, briefcases, purses worn around the neck,
  - toys,
  - etc.

#### Requirements :

- It is prohibited to place on the market textile articles, which may come into direct and prolonged contact with the skin or with the mouth, dyed with azodyes which may release one or more of the aromatic amines listed in Appendix 8 in concentrations over 30 mg/kg (30 mg/kg per amine) following a specific chemical process.

22 aromatic amines are prohibited. They are carcinogenic.
- Prohibition of use of Blue Colourant (CAS 118685-33-9)
- Reference test methods :
  - EN 14362-1 : 2017 (harmonized versions are 2012)** “Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres”
  - EN 14362-3 : 2017 (harmonized versions are 2012)** “Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene”



BUREAU  
VERITAS



## Chapter 2 : Restrictions relative to flame retardants

### Textiles – Restrictions relative to flame retardants

#### European regulation :

- REACH Regulation 1907/2006 – Annex XVII – Entries 4, 7, 8 and 45 and 67
- Regulation 850/2004 “Persistent organic pollutants” (POP) amended by Regulation 757/2010 and Regulation 519/2012, Regulation 2015/2030 and Regulation 2016/293

#### National regulations :

##### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)
- Norway : FOR 2004-06-01 nr 922 modified: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)
- Norway : FOR 2008-05-30 nr 516 modified: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH)

#### Scope :

- Textile articles

#### Requirements :

See summary of requirements below



**BUREAU  
VERITAS**



## Summary Restrictions flame retardants : limits

Country	EU	Switzerland	Norway
<b>Restrictions</b> Textile articles intended to come in contact with the skin (e.g. clothes)  <b>TRIS</b> : Tris (2,3 dibromopropyl) phosphate (CAS 126-72-7) (entry 4) <b>TEPA</b> : Tris(aziridinyl)phosphin oxide (CAS 545-55-1) (entry 7) <b>PBB</b> : Polybromobiphenyls (CAS 59536-65-1) (entry 8)	Prohibition  (See note 1)		See EU
Textile articles intended to be worn directly or not directly (clothes, disguise costumes...) on the skin or to equip or cover indoor articles (bed linen, fabrics, tablecloths, carpets, curtains...)  <b>TRIS</b> : Tris (2,3 dibromopropyl) phosphate (CAS 126-72-7) <b>TEPA</b> : Tris(aziridinyl)phosphin oxide (CAS 545-55-1)		Prohibition	
Articles  <b>Short chain chlorinated paraffins (SCCP)</b>	$< 0.15 \%$ by weight  (See note 2)	$\leq 1\%$ (articles)	See EU
Articles  <b>Substances decaBDE</b> (entry 67) (CAS 1163-19-5)  Applicable on 2 March 2019	$< 0.1 \%$ by weight  (See note 1)		See EU
Articles  <b>HBCDD</b>	$\leq 0.01 \%$ by weight  (See note 2)	Prohibition	See EU
Articles  Substances <b>tetraBDE, pentaBDE, hexaBDE, heptaBDE</b>	$\leq 0.001\%$ in mass (10 mg/kg)  (See note 2)	See EU	See EU
Articles  Substance <b>octaBDE</b> (entry 45)	$\leq 0.1\%$ by weight  (See note 1)	See EU	See EU
Articles  Substance <b>hexabromodiphenyl</b>	Prohibition  (See note 2)	See EU	

Note 1 : cf. REACH Regulation Annex XVII

Note 2 : cf. POP Regulation modified





### Chapter 3 : Restrictions relative to perfluorooctane sulfonates and perfluorooctanoic acid (uses : coated textiles)

Coated textiles – Restrictions relative to perfluorooctane sulfonates (PFOS) and perfluorooctanoic acid (PFOA) and related substances

#### European regulation :

- Regulation 850/2004 Persistent organic pollutants (POP) amended by Regulation 757/2010 (PFOS)
- REACH Regulation 1907/2006 – Annex XVII – Entry 68 (PFOA and related substances)

#### National regulations :

##### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)
- Norway : FOR 2004-06-01 nr 922 modified: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)

#### Scope :

- Coated textile articles (e.g. : water repellent treatment, anti-grease treatment)
- Articles

#### Requirements :

- **PFOS** : EU/Switzerland/Norway  
Textiles or other coated materials can not be placed on the market, if the amount of PFOS is equal to or greater than 1  $\mu\text{g}/\text{m}^2$  of the coated material.  
Articles can not be placed on the market, if the amount of PFOS is equal to or greater than 0.1% by weight, calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS.
- **PFOA** : Norway  
Textiles, carpets and other coated consumer products can not be placed on the market, if the amount of PFOA is equal to or greater than 1  $\mu\text{g}/\text{m}^2$  of the coated material (applicable from 1 June 2014)  
Products that can be documented manufactured before 1 June 2014 may be imported and sold until 1 January 2018.  
  
EU  
Articles shall not be placed on the market, if concentration of PFOA equal to or above 25 ppb, including its salts or 1000 ppb of one or a combination of PFOA-related substances.  
  
This requirement will be applicable on 4 July 2020



## Chapter 4 : Restrictions relative to organostannic compounds (uses : biocide, antibacterial treatment, printed textiles, coated textiles etc.)

### Textiles – Restrictions relative to organostannic compounds

#### **European regulation :**

- REACH Regulation 1907/2006 – Annex XVII – Entry 20, §4, 5, 6

#### **National regulations :**

#### **Non-EU countries (EFTA) :**

- Switzerland : Ordinance of DFI relative to objects intended to come into contact with mucous membranes, skin, hair ..817.023.41 of 23 November 2005 modified (Scope of application : textiles, leather and other objects intended to come into contact with the skin)
- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)
- Norway : FOR 2008-05-30 nr 516 modified: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH)

#### **Scope :**

- Biocide uses, antibacterial treatments, anti-smell treatments
- Coated textiles (e.g. PVC coating)
- Printed textiles (e.g. PVC prints)
- Textile articles intended to come into contact with the skin

#### **Requirements :**

See summary below



## Summary : Restrictions organostannic compounds : limits

Country	European Union/Norway	Switzerland
<b>Restriction / Application</b> <b>Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds</b> (e.g. typical uses : antibacterial treatments of textile products, wood ...)	These compounds shall not be used in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.	< 0.1 % (articles) (814.81)
<b>Dibutyltin (DBT) compounds</b> (e.g. PVC stabiliser, catalyst in the manufacture of resins, etc.)	These compounds shall not be used after in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.  These restrictions do not apply to materials and articles regulated under Regulation (EC) No 1935/2004.	< 0.1 % (articles) (814.81)
<b>Diocetyl tin (DOT) compounds</b> (e.g. PVC stabiliser, etc.)	These compounds shall not be used in articles intended to come into contact with the skin (textiles, gloves, footwear...) ( where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin).	Scope : idem as UE < 0.1 % (817.023.41)

Use of organostannic compounds : examples

- Antibacterial treatments
- Stabilisers (e.g. PVC materials)
- Catalysts (e.g. polyurethane resins, silicones, paints/coatings...)



## Chapter 5 : Restrictions relative to formaldehyde (finishing agent, coated textiles, etc.)

Textiles – Formaldehyde restrictions
<p><b><u>National regulations :</u></b></p> <ul style="list-style-type: none"><li>• Germany : « Bedarfsgegenständeverordnung » (Decree relative to consumer products) of 23 December 1997 modified</li><li>• Netherlands : Decree of 22 March 2001 (Besluit van 22 Maart 2001) Fomaldehyde in textiles</li><li>• Finland : Decree 233 of 10 May 2012 on maximal amount of formaldehyde in certain textiles products</li></ul> <p><b><u>Non-EU countries (EFTA) :</u></b></p> <ul style="list-style-type: none"><li>• Norway : FOR 2004-06-01 nr 922 modified: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)</li></ul>
<p><b><u>Scope :</u></b></p> <ul style="list-style-type: none"><li>• Textile articles intended to come into contact with the skin and which may come into contact with the skin</li></ul>
<p><b><u>Requirements :</u></b></p> <ul style="list-style-type: none"><li>• Summary of requirements: see below</li><li>• Reference test method : <b>EN ISO 14184-1 : 2011</b> « Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method) “</li></ul>



## Summary : formaldehyde restrictions : limits (ppm)

Country	Babies/children	Direct contact with the skin	No direct contact with the skin	Markings	Translation
<b>Germany</b>	Clothes : Emission > 1500 > Markings		No requirement	Article, packaging or label : « Enthält Formaldehyd. Es wird empfohlen, das Kleidungsstück zur besseren Hautverträglichkeit vor dem ersten Tragen zu waschen"	Contains formaldehyde. It is recommended to wash the cloth before first use for a better skin tolerance.
<b>Finland</b>	< 2 years : 30	100	300		
<b>Netherlands</b>	< 120 (Tests performed before and after one washing)		No requirement	Mention "voor eerste gebruik wassen", if emission of formaldehyde > 120 mg/kg before washing	Wash before first use
<b>Norway</b>	< 2 years : 30	100	300		

### Additional information

- Germany** : Textiles, having a finishing agent and intended to come into contact with the skin, which contain more than 0.15% of free formaldehyde, must bear the following labelling : « Enthält Formaldehyd. Es wird empfohlen, das Kleidungsstück zur besseren Hautverträglichkeit vor dem ersten Tragen zu waschen" (translation : Contains formaldehyde. It is recommended to wash the cloth before first use).  
 This information is located on the article, its packaging or a label affixed on the article or its packaging.
- Netherlands** : Clothes and textiles products other than clothes for which it is foreseeable due to their use that they will come into direct contact with the skin must comply with the following requirements :  
 -Products must bear the mention « Voor eerste gebruik wassen » (translation : wash before first use) if they contain more than 120 ppm of formaldehyde before having washed once according to washing instructions.  
 This information must be affixed on the product itself or on a packaging intended for the final product user.  
 -Products must not contain more than 120 ppm of formaldehyde after having washed according to the corresponding washing instructions.
- Norway** : For textiles products labeled with care instructions recommending to wash the product before first use, the limits for formaldehyde are applied after having washed the product according to the corresponding washing instructions



## Chapter 6 : Restrictions relative to pentachlorophenol (uses : biocide)

Pentachlorophenol (and its salts/esters) restrictions
<p><b><u>National regulations :</u></b></p> <ul style="list-style-type: none"><li>Germany :Decree of 20 January 2017 “Chemikalien-Verbotsverordnung – ChemVerbotsV” (including amendment of 20 January 2017)</li><li>Austria : Chemikalienverbotsverordnung, 2003, modified</li><li>Denmark : BEK nr 854 of 05 September 2009 ”Bekendtgørelse om forbud mod import, salg, anvendelse og eksport af varer, der indeholder pentachlorophenol (PCP)”</li></ul> <p><b><u>Non-EU countries (EFTA) :</u></b></p> <ul style="list-style-type: none"><li>Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)</li><li>Norway : FOR 2004-06-01 nr 922 modified: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)</li></ul>
<p><b><u>Scope :</u></b></p> <ul style="list-style-type: none"><li>Articles (and particularly cellulose materials)</li></ul>
<p><b><u>Requirements :</u></b></p> <ul style="list-style-type: none"><li>See summary of requirements below</li></ul>

### **Summary : Restrictions relative to PCP, its salts and esters : limits**

Country Restrictions PCP, its salts and esters	Germany	Austria	Denmark	Norway	Switzerland
Article (and parts of article)	5 mg/kg	5 mg/kg	5 mg/kg	5 mg/kg	See Chap 9.2



## Chapter 7 : Germany - Restrictions relative to colourants

Germany - Colourants restrictions
<p><b><u>National regulations :</u></b></p> <ul style="list-style-type: none"><li>• Germany : Lebensmittel und Futtermittelgesetzbuch – LFGB of 3 June 2013 - §30 modified</li></ul>
<p><b><u>Scope :</u></b></p> <ul style="list-style-type: none"><li>• Textile articles in contact with the skin</li></ul>
<p><b><u>Requirements :</u></b></p> <ul style="list-style-type: none"><li>• It is recommended under the general product safety requirement of consumer products to ensure that dispersed dyes and carcinogenic dyes are not used :  <b>-Disperse dyes (used in synthetic fibres) :</b> Some disperse dyes are known to cause allergic reactions  (eg reference standard : DIN 54231, detection limit : 5 mg/l / 75 mg/kg)  <b>-Carcinogenic dyes (detection limit : 5 mg/l)</b>  Reference documents such as DIN 54231, OEKO-TEX® Standard 100, EN ISO 16373-2 are including some list of restricted dyes.</li></ul>



## Chapter 8 : Restrictions relative to heavy metals

Heavy metals restrictions
<p><b><u>National regulations :</u></b></p> <p><u>Non-EU countries (EFTA) :</u></p> <ul style="list-style-type: none"><li>• Switzerland : Ordinance 817.023.41 of DFI of 23 November 2005 modified on articles intended to come into contact with mucous membranes, skin or hair, and on candles, matches, lighters and tricks (Ordinance on articles intended to come into contact with the human body)</li></ul>
<p><b><u>Scope :</u></b></p> <p><b><u>Switzerland :</u></b></p> <ul style="list-style-type: none"><li>• Textile articles</li></ul>
<p><b><u>Requirements :</u></b></p> <ul style="list-style-type: none"><li>• <b>Switzerland:</b> It is prohibited to treat textile articles with:<ul style="list-style-type: none"><li>- arsenic and its compounds;</li><li>- lead and its compounds.</li></ul></li></ul>





## Chapter 9 : Other restrictions

### 9.1 Switzerland - Paraphenylenediamine

Switzerland – Paraphenylenediamine restrictions
<p><b><u>National regulations :</u></b></p> <ul style="list-style-type: none"><li>• Switzerland : Ordinance 817.023.41 of DFI of 23 November 2005 modified on articles intended to come into contact with mucous membranes, skin or hair, and on candles, matches, lighters and tricks (Ordinance on articles intended to come into contact with the human body)</li></ul>
<p><b><u>Scope :</u></b></p> <ul style="list-style-type: none"><li>• Textile articles</li></ul>
<p><b><u>Requirements :</u></b></p> <ul style="list-style-type: none"><li>• Treatment of textile articles with paraphenylenediamine is prohibited</li></ul>

## 9.2 Switzerland - Halogenated organic compounds

### Switzerland - Halogenated organic compounds restrictions

#### National regulations :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)

#### Scope :

- Textile articles

#### Requirements :

- Placing on the market of new textile articles containing halogenated organic compounds is prohibited (about twenty substances) :

##### **List of prohibited halogenated organic compounds**

##### **a. Aliphatic polycyclic systems**

- isodrin (CAS no. 465-73-6);
- kelevan (CAS no. 4234-79-1);
- telodrin (CAS no. 297-78-9);
- strobane (CAS no. 8001-50-1)

##### **b. DDT and similar compounds**

- dichlorodiphenyldichloroethylene (DDE);
- dichlorodiphenyldichloroethane (DDD);
- methoxychlor (CAS no. 72-43-5);
- perthane (CAS no. 72-56-0);
- dicofol (CAS no. 115-32-2).

##### **c. Quintozene (CAS no. 82-68-8)**

##### **d. Polychlorinated phenols and their derivatives**

- pentachlorophenol (PCP, CAS no. 87-86-5) and its salts and also pentachlorophenoxy compounds;
- tetrachlorophenols (TeCP) and their salts and also tetrachlorophenoxy compounds.

##### **e. Halogenated biphenyls, terphenyls, naphthalenes**

- halogenated biphenyls of the C<sub>12</sub>H<sub>n</sub>X<sub>10-n</sub> type; X = halogen, 0 ≤ n ≤ 9
- halogenated terphenyls of the C<sub>18</sub>H<sub>n</sub>X<sub>14-n</sub> type; X = halogen, 0 ≤ n ≤ 13
- halogenated naphthalenes of the C<sub>10</sub>H<sub>n</sub>X<sub>8-n</sub> type; X = halogen, 0 ≤ n ≤ 7

##### **f. Halogenated diarylalkanes**

- monomethyltetrachlorodiphenylmethane (CAS no. 76253-60-6);
- monomethyldichlorodiphenylmethane;
- monomethyldibromodiphenylmethane (CAS no. 99688-47-8).

##### **g. Octabromodiphenylether (basic formula C<sub>12</sub>H<sub>2</sub>Br<sub>8</sub>O)**



## 9.4 Nonylphenol, octylphenol and their ethoxylates

### Restrictions : nonylphenol, octylphenol and their ethoxylates

#### European regulation :

- REACH Regulation 1907/2006 – Annex XVII – Entry 46 (Regulation 2016/26/EU of 13 January 2016)

#### National regulations :

##### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 modified on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Ordinance on risk reduction related to chemical products, ORRChim)
- Norway : FOR 2008-05-30 nr 516 modified: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH)
- Norway : FOR 2004-06-01 nr 922 modified: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)

#### Scope :

- Textile treatment products

#### Requirements :

- EU/Norway : Restrictions for use of substances nonylphenol and nonylphenol ethoxylate in textiles processing (except processing with no release into waste water)
- EU/Norway : Nonylphenol ethoxylates shall not be placed on the market in textile articles in concentrations equal to or greater than **0,01 % by weight** of that textile article or of each part of the textile article.  
Textile articles subjected to this requirement are textile articles which can reasonably be expected to be washed in water during their normal lifecycle  
This requirement will be applicable on 4 February 2021
- Switzerland : Restrictions relative to nonylphenol, octylphenol and their ethoxylates for textiles processing products (cf. no release into waste water)



## Annex : Reminder – Texts relative to chemical restrictions

### 1- European Union

Europe : Directive 2001/95/EC General safety requirements of consumer goods

Europe : REACH Regulation 1907/2006 modified

Europe : Regulation 850/2004 modified, Persistent organic pollutants

### Additional requirements,

### 2- National requirements EU/EFTA

#### EU countries

- Germany: Decree of 20 January 2017 “Chemikalien-Verbotsverordnung – ChemVerbotsV” (including amendment of 20 January 2017)
- Germany : « Bedarfsgegenständeverordnung » (Decree relative to consumer products) of 23 December 1997 (last modified on 15 February 2016)
- Austria : Chemikalienverbotsverordnung, 2003, modified
- Denmark : BEK nr 854 of 5 September 2009 ”Bekendtgørelse om forbud mod import, salg, anvendelse og eksport af varer, der indeholder pentachlorphenol (PCP)”
- Denmark : BEK nr 627 Prohibition of import, sale and export of mercury and mercury containing products
- Denmark : BEK nr 857 of 05/09/2009 Restrictions relative to certain chemical products
- Netherlands : Decree of 22 March 2001 (Besluit van 22 Maart 2001) Fomaldehyde in textiles
- Finland : Decree 233 of 10 May 2012
- Sweden : Modified Ordinance 1998 : 944 Mercury restrictions

#### Non-EU countries (EFTA) :

- Switzerland : Ordinance 814.81 of 18 May 2005 on risk reduction related to the use of certain particularly dangerous substances, preparations and articles (Last updated **1 March 2018**) (Ordinance on risk reduction related to chemical products, ORRChim)
- Switzerland : Ordinance 817.023.41 of DFI of 23 November 2005 (Last updated 1 May 2017) on articles intended to come into contact with mucous membranes, skin or hair, and on candles, matches, lighters and tricks (Ordinance on articles intended to come into contact with the human body)
- Norway : FOR 2004-06-01 nr 922: Forskrift om begrensning i bruk av helse- og miljøfarlige kjemikalier og andre produkter (produktforskriften)(last updated : FOR 2017-12-21-2398)
- Norway : FOR 2008-05-30 nr 516: Forskrift om registrering, vurdering, godkjenning og begrensning av kjemikalier (REACH) (last updated **FOR 2018-03-23-505**)



**DISCLAIMER:** The information contained in this document is of the nature of general comment only. It is not offered as advice on any particular matter and should not be taken as such. TIE has prepared these materials to the best of its knowledge, but does not guarantee that their contents are error-free. Any use of such materials is at your own risk. TIE, the editors and the contributing authors disclaim all liability to any person in respect of the consequences of anything done or omitted to be done wholly or partly in reliance upon the whole or any part of the contents of this extranet. No person, whether a member of TIE or otherwise, should act or refrain from acting on the basis of any statement contained on this extranet without taking specific professional advice on the particular facts and circumstances in issue.

**COPYRIGHT:** The information contained in this document are owned by TIE and are protected by local and international intellectual property rights, including, without limitation, copyrights, author's rights and neighboring rights. They are only intended to be used by direct and indirect members of TIE and shall not be shared to any other parties without TIE's consent.  
Copyright © Toy Industries of Europe, international non-profit organization 2018. All rights reserved.